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Memberships and Affiliations

St. Francis College is chartered by the Legislature of the State of New York and accredited by the Regents of the University of the State of New York and the Middle States Association of Colleges and Schools. It is a member of the

Association of American Colleges
National Commission on Accrediting
Commission on Independent Colleges and Universities
Association of Catholic Colleges and Universities
Council for Advancement and Support of Education
International Assembly for Collegiate Business Education
National Association of Independent Colleges and Universities
Association of Franciscan Colleges and Universities
Brooklyn Independent Colleges
Brooklyn Chamber of Commerce
Downtown Brooklyn Development Association
University Aviation Association

All information contained herein is for informational purposes only. It is necessarily subject to change without notice or obligation at the discretion of the administration. All such changes may apply not only to prospective students but also to those who are already enrolled in the College. In addition, this catalogue is neither a contract nor an offer to contract between the College and any person or party.

St. Francis College is committed to a policy of equal treatment and opportunity in every aspect of its relations with its faculty, administrators, students, and staff members, without regard to sex, race, color, religion, national group, age, disability, or marital status. Information on the Family Educational Rights and Privacy Act (of 1974, as amended) is outlined in the current edition of The Cord, the student handbook.
Mission and History

Mission Statement

St. Francis College is a private, independent co-educational college that welcomes students from all walks of life, providing a superior liberal arts education at an affordable price. The St. Francis student benefits from small classes taught by professors who are committed to provide an education in an atmosphere of support and friendship. By integrating liberal arts and pre-professional programs, the College promotes the development of the whole person. Both the Franciscan heritage and the Catholic tradition establish a cornerstone of academic excellence, social responsibility and mutual respect throughout the entire College community.

History

St. Francis College has a proud heritage of providing students with the preparation they need to take their places as contributing members of society. With a mission founded on the ideals and teachings of St. Francis of Assisi, the school has played an important role in the community and in the lives of its students and alumni.

St. Francis College was founded by Franciscan Brothers in 1859 as St. Francis Academy, the first private school in the diocese of Brooklyn. The school, dedicated to the education of the young diocese’s Catholic boys, started in a building on Baltic Street and grew quickly. In just a little more than 25 years, the trustees of the Academy received permission from the state legislature to “establish a Literary College” and to confer diplomas, honors and degrees. St. Francis Academy became St. Francis College and in June 1885 bestowed its first Bachelor of Arts degree.

The College continued its meteoric growth. In 1926, the Brothers opened a new facility on Butler Street. In 1957, the Regents of the University of the State of New York granted an absolute Charter to the Trustees of the College and three years later, the St. Francis embarked on an expansion program. The College moved to Remsen Street, where it had purchased two office buildings from Brooklyn Union Gas Company, allowing it to double its enrollment. Shortly thereafter, it became a co-educational institution and additional property was purchased on both Remsen and Joralemon Streets. The College expanded its facilities with the construction of a science building, physical education complex and housing to accommodate the Franciscan Brothers and provide more space for faculty. In the spring of 2003, St. Francis completed a new, state-of-the-art athletic and event facility atop the College’s gymnasium, the Anthony J. Genovesi Center.

Today the College serves 2,000 students and boasts an alumni association 12,000 members. Students come primarily from Brooklyn and the other boroughs of New York City, although their backgrounds are representative of some 80 countries. Every June, more than 350 degrees are conferred in the liberal arts and sciences. Many distinguished public servants, scientists, lawyers, business professionals and teachers call St. Francis College alma mater, as do many of the priests and nuns within the Dioceses of Brooklyn-Queens and Rockville Centre.
Message from the President

When I was growing up in Brooklyn, it was my parents’ dream to send me, their first son, to college. St. Francis College made that dream come true. Founded by Franciscan Brothers in 1859 to educate children of the working class, this College offered me the opportunity to fulfill my parents’ dream.

For more than a century, St. Francis College has welcomed students from all walks of life, providing a superior liberal arts education at an affordable tuition. It is an urban school that is attended primarily by residents of the metropolitan New York area and has strived over the years to be responsive to the city’s multiracial, ethnically-varied population, while challenging all students to think in ethical and moral terms and reach beyond academic success to find truths for their personal lives.

The College’s strength rests in its ability to be flexible and respond to students’ intellectual and professional needs. A core curriculum in the liberal arts provides the bedrock on which St. Francis alumni go on to pursue graduate education, professional training and careers. After completing required courses that acquaint them with the humanities, fine arts and social and natural sciences, students continue their studies to deepen their knowledge of a major field of study.

The other quality that makes St. Francis stand out is its commitment to promoting the development of the whole person, including those important values found in Catholic education: freedom, tolerance, respect for each other. Through intellectual, social, physical and spiritual development, St. Francis College seeks to provide students with the skills and strengths they will need in their roles as citizens, friends, parents, community leaders, employers, employees, teachers and caring individuals.

When students begin their studies here, they immediately become part of a community that includes faculty and administrators committed to education in an atmosphere of support and friendship. The College is small enough so that everyone is on a first-name basis. Faculty and administration are available for help and counsel. Incoming students find opportunities for excellence and methods to develop strengths.

It is not every school that provides students with a friendly hand and a serious education. I am proud that St. Francis College gave me that start and continues to offer it to those men and women who study here today.

Yours in St. Francis,

[Signature]

Frank J. Macchiaiola ‘62
Admissions

General Information

St. Francis College seeks to admit students who present evidence that they can successfully pursue courses leading to a degree. Students must submit evidence of successful high school completion, acceptable Scholastic Aptitude Test (SAT) scores and an application for admission. Applications are available on the website, www.stfranciscollege.edu, or from the Admissions Office.

Admission to St. Francis is competitive, although the Admissions Committee seeks a student body that is ethnically and socially diverse and is more interested in the applicant's potential to succeed in college than in any prescribed pattern of entrance units. Students are encouraged to visit the campus and meet with an admissions counselor before making application.

The College admits individuals of any race, religion and national or ethnic origin to the rights, privileges, programs and activities offered students at the school. It does not discriminate on the basis of sex, race, religion, national or ethnic origin or disability in the administration of educational or admissions policies, scholarships and loan programs or other College-based programs.

Students who desire admission can file an application for admission online or may contact the Office of Admissions at (718) 489-5200 for a paper application. The completed paper application should be returned to the same office.

Requirements for Admission to the Freshman Class

High School Graduates

Applicants seeking an associate's or bachelor's degree must present a transcript from an approved secondary school. All applicants are required to take the Scholastic Aptitude Test while enrolled in secondary school and submit their scores to the College. Applicants seeking an associate's or bachelor's degree should have completed a minimum of 18.5 academic high school units, including four units of English, four units of social studies, two years of mathematics, two units of science and one unit of art and/or music. Applicants seeking a Bachelor of Science degree should have completed 11th-year high school mathematics or its equivalent.

High School Equivalency Applicants

Applicants seeking an associate's or bachelor's degree who have a recognized High School Equivalency Diploma should present a transcript of their New York State (or other) General Educational Development (GED) test scores. The total score must be at least 250, with a minimum score of 45 on each individual part of the test.

Foreign Language Students

Applicants seeking an associate's or bachelor's degree whose native language is not English must present the results of the Test of English as a Foreign Language (TOEFL) and must achieve a score of at least 500 on the test.
International Students

Students who are not United States citizens or United States Permanent Residents may apply to St. Francis College. St. Francis College is authorized by Federal law to enroll non-immigrant aliens for the purpose of obtaining a degree. Persons who seek admission should file an application, transcript of high school record and proof of high school graduation. In addition, students whose native language is not English must also follow the requirements for Foreign Language Students, listed above.

St. Francis College fully complies with the Student and Exchange Visitor Information System (SEVIS). Because of the time to properly enter a student's information into SEVIS, and because of the diversity of documentation, students must present documents well in advance of their anticipated entrance date. For further information, contact the International Student Advisor in the office of Student Activities.

Other Applicants

Applicants seeking an associate's or bachelor's degree who do not meet the above-mentioned criteria may be admitted to St. Francis College after a review and assessment of their educational background. When the preparation differs from the state's requirements, the record will be studied by the Admissions Office for evidence of unusual aptitude, especially in those studies that are prerequisite for the curriculum the applicant wishes to pursue. The number of such students admitted and the conditions for admission are strictly controlled.

Non-Matriculated Students

The College welcomes men and women who wish to take one or more courses but who do not seek an associate's or bachelor's degree. Such persons may be accepted as non-matriculated students as space permits. Application for admission to the College is required; acceptance is based on an assessment of the applicant's ability to do college-level work.

Proof of Immunization

All students born on or after January 1, 1957 must provide proof of immunity against measles, mumps, and rubella, in accordance with New York State Public Health Law 2165. Proof of immunity consists of a certificate of immunity signed by a physician or health care provider that documents measles, mumps and rubella immunity. The certificate must specify the type of vaccine and the dates (month, day and year) of administration, or the date of disease diagnosis, if any, or the date of serologic testing and results, if any. A student health record that properly documents the immunization history described above is acceptable as proof of immunity.

The requirements are as follows:

Measles

Two (2) doses of live measles vaccine (administered after 1967). The first dose must have been received on or after the first birthday and the second dose received at or after 15 months of age and at least thirty (30) days after the first dose. Combined measles, mumps and rubella vaccine (MMR) is recommended for both doses, or physician diagnosis of disease or serologic evidence of immunity.
Mumps

One (1) dose of live mumps vaccine received on or after the first birthday or physician diagnosis of disease or serologic evidence of immunity.

Rubella

One (1) dose of live rubella vaccine received on or after the first birthday or serologic evidence of immunity.

Persons may be exempt from measles, mumps and rubella vaccinations if:

A physician certifies in writing that the immunizations may be detrimental to their health or

They hold genuine and sincere religious beliefs that are contrary to immunization and submit a notarized statement to that effect.

Meningococcal Meningitis

On July 22, 2003, Governor Pataki signed New York State Public Health Law (NYS PHL) §2167. This law requires St. Francis College to maintain the following record for each student:

A response to the receipt of meningococcal disease and vaccine information signed by the student, including information on the availability and cost of meningococcal meningitis vaccine (Menomune™).

In addition, we must collect one of the following documents:

A record of meningococcal immunization within the past ten years or

An acknowledgment of meningococcal disease risks and refusal of meningococcal meningitis immunization by the student.

Complete information is available from the Dean of Students Office, room 602A.

The appropriate documentation must be presented to the Office of Admissions upon application for admission or re-admission to the College or as soon as practicable thereafter.

No student will be permitted to complete his or her initial registration for classes until the documents are on file.

Requirements for Admission with Advanced Standing

Transfer Applicants

A student who has attended another college or university and is interested in transferring to St. Francis must submit an official transcript from the previously attended school as well as a secondary school transcript or certificate of high school graduation. A catalogue from the college(s) previously attended may be requested. Generally, credits will be allowed only for
courses appropriate to the curriculum selected at St. Francis College and where records show
course grades equivalent to or higher than the St. Francis grade of C. A maximum of 98 cred-
its may be accepted toward a bachelor's degree; 32 towards an associate's degree. The decision
to admit a student to advanced standing and the determination of allowed transfer credits rests
with the office of the Academic Dean.

Advanced Placement Program

Students who have completed a college-level course in high school may qualify for advanced
placement by achieving a score of 3, 4 or 5 on the Advanced Placement Test of the College
Entrance Examination Board. Questions regarding advanced placement should be addressed
to the Office of Admissions. Information about Advanced Placement Tests may be obtained
from the Educational Testing Service, P.O. Box 592, Princeton, New Jersey 08540.

Credit through the College Level Examination Program (CLEP)

Advanced standing with credit will be granted upon successful completion of the College
Level Examination Program, General Examination or Subject Examination of the College
Entrance Examination Board, Princeton, New Jersey. Credit is also granted for satisfactory
grades earned through the completion of the Excelsior Examinations conducted by the New
York State Education Department. Information may be obtained by contacting the respective
agencies. Test results should be forwarded to the Admissions Office for evaluation.

Credit for Armed Forces Veterans

Honorably discharged veterans who have completed 6 to 18 months of active service in either
the Armed Forces of the United States or those of another country may be granted 5 credits
of the elective requirements toward a degree; those who have completed more than 18 months
of service may be granted 10 credits of the elective requirements. Appropriate documentation
must be submitted to the Office of the Academic Dean.

Experiential Learning

St. Francis College grants credit for learning acquired outside the classroom through its
Experiential Learning Assessment Program. This program is available to all students pursuing
a bachelor's degree. Students must submit a portfolio in order for their prior learning to be
assessed. They must petition for a specific number of credits in academic areas in which they
are presenting prior learning experience.

Student Classification

Full-Time Students

Full-time students are those enrolled for at least 12 credits or equivalent.

Part-Time Students

Part-time students are those enrolled for fewer than 12 credits or equivalent.
Regular or Matriculated Students

Regular or matriculated students are those who have fulfilled enrollment requirements and are pursuing a degree program.

Regular students are classified as follows:

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<th>Credit Range</th>
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<td>01—Lower Freshman</td>
<td>0 - 13.9</td>
</tr>
<tr>
<td></td>
<td>02—Upper Freshman</td>
<td>14 - 27.9</td>
</tr>
<tr>
<td></td>
<td>03—Lower Sophomore</td>
<td>28 - 43.9</td>
</tr>
<tr>
<td></td>
<td>04—Upper Sophomore</td>
<td>44 - 59.9</td>
</tr>
<tr>
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<td>05—Lower Junior</td>
<td>60 - 74.9</td>
</tr>
<tr>
<td></td>
<td>06—Upper Junior</td>
<td>75 - 89.9</td>
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<tr>
<td></td>
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</tr>
<tr>
<td></td>
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</tbody>
</table>

Non-Matriculated Students

Non-matriculated students are enrolled in courses, but have not fulfilled all the requirements for admission to a degree program.

Transfer Students

Transfer student are those who have withdrawn from another college or university and have been admitted to St. Francis College to complete their course of study. Holders of associate's degrees earned at accredited two-year colleges are also given transfer status.

Transient Students

Transient students are those whose academic work at St. Francis College will be transferred to another college or university in which they are regularly enrolled.
Campus Life and Student Affairs

General Information

The Student Affairs Division upholds, supports and enhances the mission of the College. The Division is dedicated to the creation of an environment, as well as specific programs and services, designed to promote the ongoing development of the whole person: intellectual, interpersonal, physical, moral and spiritual. The Division is committed to an ethic of care and justice, within a supportive and nurturing community, in which the welfare and growth of every student is facilitated through an ongoing partnership among student affairs professionals, instructional faculty and students. The Division is student-centered in all its functions, and affirms the inherent dignity and worth of every student. In keeping with the College’s Franciscan heritage, the Division is firmly committed to the ideal of a serving community and strives to promote ethical behavior in all its programs, services and decisions.

On campus, students have access to a variety of facilities, including:

McGarry Library

The McGarry Library features a 45-workstation research center. The Library has Internet connections that enable users to search several databases for the full text of journal or newspaper articles. A local area network permits users to search by computer the public access catalogue for books as well as periodical indexes and reference sources. The collection consists of over 170,000 volumes and 520 current periodical subscriptions. Bound and unbound journals, microfilms, audio visuals and other special collections are available for research and study. The library provides orientation for new students, subject bibliographic instruction for classes and individual consultation for term paper projects. Visualtek magnifier for the visually impaired is available.

McArdle Student Center

The Walter and Margaret McArdle Student Center provides several areas for students to meet informally and pursue various social, cultural and recreational activities. The center includes the John and Ruth Gorman Dining Hall, the Council of Regents Lounge and a game room. An extensive array of food and beverages is available at comparatively low cost through the cafeteria service located in Gorman Hall.

Arts Building

The seven-story Arts Building contains the recently renovated McArdle Student Center, 25 classrooms and three seminar rooms. It also houses administrative offices.

Science Building

This six-story structure is adjacent to the Arts Building on Remsen Street. An elevator and escalators provide access to both buildings. The Science Building houses classrooms and laboratories for the study of biology, chemistry, physics and psychology. Other facilities include a greenhouse, an animal room with adjoining surgical room and a darkroom. A television studio and microcomputer laboratories for student use are also here. On the main floor are the Lee and Peter Callahan Conference Center and Founders Hall, a multi-purpose auditorium and
classroom facility that seats 300 people. Offices and research laboratories for the science and math faculties are located in this building.

Athletic Facilities

The College offers two full-sized gymnasiums for intercollegiate and intramural sports as well as for physical education classes. The Genovesi Center, opened in 2003, also serves as a space for events and meetings. Students may also avail themselves of a competition-sized swimming pool and fitness center.

Bookstore

The College bookstore, operated by Barnes and Noble Inc., is in the basement of the Science Building. The store provides all necessary books, materials and supplies for classes. The bookstore is open from 9 a.m. to 6:30 p.m. Monday through Thursday and from 9:30 a.m. until 4 p.m. Friday. During the first two weeks of each semester, the bookstore operates from 9 a.m. until 8:30 p.m. Monday through Thursday. Hours are subject to change without notice.

Accident Insurance Program

Provided that the College is able to negotiate a policy on their behalf, all full-time day students will be covered by a medical accident insurance policy. In brief, the benefits and limitations of this plan are as follows:

The plan covers medical expenses incurred as the result of an accident for eligible students while they are enrolled at the College. Coverage is in effect 24 hours a day. It does not cover loss due to sickness.

Payment will be made up to a maximum benefit of $2,500 per accident; additionally, a flat sum of $2,000 will be paid in the event of accidental death.

The plan does not cover replacement or repair of eyeglasses, contact lenses, prescriptions, dental x-rays, hearing aids, loss due to war, drug addiction or losses for which benefits are payable by Worker’s Compensation. Dental expense is covered only to the extent of losses incurred as a result of injury to sound, natural teeth.

Benefits are payable only on an excess basis over and above any coverage provided by any other group, blanket, franchise or prepaid service policy or plan, regardless of any coordination of benefits, non-duplication of benefits or any other similar provision contained in such policy or plan. The costs of this plan are borne by a portion of the student activity fee paid by all full-time day students; there are no additional charges.

Information concerning claims is available in the Student Health Office on the mezzanine (1M). Claims should be made to the College nurse within 15 days of an accident’s occurrence. In addition to this program, the College also makes available to students optional supplemental accident and sickness medical benefit plans. These will be of particular interest to dependent students who are not covered under a parental health insurance plan or independent students who lack coverage for themselves or their dependents. Details are available in the Student Health Office. For information concerning special insurance for those students who participate in intercollegiate sports, contact the College’s athletic trainer.
Athletics

The College, a member of the Northeast Conference, sponsors 18 NCAA Division I intercollegiate athletic teams. Students with exceptional talent who meet strict academic requirements are eligible to compete.

St. Francis fields men’s teams in baseball, basketball, cross-country, soccer, swimming, tennis, indoor track, outdoor track and water polo. Women compete in basketball, cross-country, softball, swimming, tennis, indoor track, outdoor track, water polo and volleyball. All College athletic events are free to members of the St. Francis community with valid ID cards.

The College also provides a well-rounded intramural sports program. Students compete in basketball, softball, volleyball, floor hockey, indoor soccer, touch football, billiards and table tennis. Students are encouraged to take advantage of the swimming pool, gymnasium and fitness center.

Campus Ministry

Flowing from the mission of St. Francis College, the programs offered by Campus Ministry are aimed at the development of the whole person, in an atmosphere of friendship and support, within a socially responsible, mutually respectful, serving community. Working in collaboration with other departments, Campus Ministry focuses particularly on the spiritual development of students and the college community.

Franciscan service is based on relationship with God, self, the human family and all of creation. Campus Ministry is, first of all, a presence that makes these interrelationships visible. It focuses particularly on the spiritual development of both the persons and the community, which together constitute the College. It creates and enhances initiatives that promote the dignity of each person and the building of community through spiritual awareness, private prayer and public worship, social leadership, supportive collaboration and community service.

Campus Ministry is located in the McArdle Student Lounge and has offices on the mezzanine level in room 107A and on the main floor near the elevators. The Director of Campus Ministry, Brother Thomas Grady, OSF (ext. 5493) and the Assistant Director, Sister Colleen Colbert, OP (ext. 5367) as well as two student assistants are available daily to respond to any concerns of students.

The College Chapel, located on 1A, is always open for private prayer and personal reflection. In addition, there are daily prayer services and a weekly Mass. Retreat opportunities are provided during the year and the RCIA Program is offered for students wanting the Sacraments of Initiation. Campus Ministry also sponsors the College Choir and a program of service through which students volunteer on campus or in neighboring communities. Through these efforts, Campus Ministry seeks to enhance the College community while extending its caring mission to the wider society.

Campus Ministry welcomes students from all religious traditions.

Career Development Center

The professional staff and resources of the Career Development Center are available to assist students to make wise and suitable career choices and secure appropriate postgraduate
employment. Toward these ends, the Center provides a substantial library of print and audio-
visual career planning reference materials, as well as computer terminals providing access to
the vast resources of the Internet. The staff of the Center is available for career guidance and
counseling on an individual basis and regularly offers workshops in such essential aspects of
the career planning process as resume writing, preparation for the employment interview and
effective job search skills and techniques.

A video cassette recorder is available for students to watch various career-related video tapes.
Students may be taped during practice interviews and can review the tape for valuable feed-
back. Members of the senior class may take advantage of the substantial number of placement
interview opportunities offered each spring with representatives of major corporations and
others seeking to hire St. Francis graduates.

All students may avail themselves of the part-time employment opportunities made available
through the Center. The Career Development Center is a major clearinghouse for part-time
employment opportunities, a significant number of which are in the vicinity of the College.
Students seeking such opportunities are encouraged to take advantage of this service.

Emergency Notifications

Requests to deliver emergency notifications phoned in by relatives or friends of students are
impractical, due to limitations of staff and uncertainty of student whereabouts. With this in
mind, the students of the College are advised to make some arrangements whereby such emer-
gency contingencies would be covered in another way during the hours they plan to spend on
campus. In the event of an extreme emergency, the College will do its best to locate a student,
but this will only be done in the most critical situations and cannot be assured.

Identification Cards

In the interest of increasing the safety and security of the campus, the College requires that all
members of the academic community have a properly validated photo identification card.
Students must carry the card at all times, display it upon entering the College and present it
upon the request of a College official or security officer. Presentation of the card is required in
order to pick up refund and work-study payroll checks, as well as to see or pick up academic
records in the Registrar’s Office. Students not in possession of a properly validated card may
be denied entrance to the College.

New students may obtain their ID cards by reporting to the Office of Student Activities on
1M. Continuing students must obtain a validation sticker for each semester. Lost cards may be
replaced, for a fee, in the Office of Student Activities.

International Student Advisor

The International Student Advisor is available to counsel students from other nations on
immigration status and regulations, to explain academic procedures and to help them acclimi-
tate to unfamiliar aspects of American culture. The International Student Advisor’s office is
located in the Office of Student Activities, Room 101A, (718) 489-5215.
Lockers

Lockers are available to all students. To rent a locker, a student must be in good financial standing with the College and pay a fee to the Student Accounts Office on the sixth floor. Students must provide their own locks. Students are not required to have a locker. They are provided for students’ convenience and items are stored at the student’s own risk.

Lost and Found

Found articles should be given to Physical Plant (201A), Student Activities (101A) or College Security during working hours. Students missing items should check these offices to see if they have been returned.

Student Counseling Center

The College has arranged for professional counselors to be on campus several hours each day during both the Fall and Spring Semesters. These men and women offer personal counseling and assistance in dealing with personal problems of all kinds, help with anxiety and stress management, adjustment to college life and its demands and advice on interpersonal and family issues.

Student Health Services

The Student Health Services office is staffed by a professional nurse Monday through Friday, 9 a.m. to 5 p.m. The Medical Suite, in the student lounge on the mezzanine, is equipped to provide emergency first-aid attention and contains cots and other short-term facilities. Appointments can be made with a local general practitioner when necessary. Several hospitals are in the immediate vicinity of the College. The nurse is available for general health and nutrition counseling on a walk-in basis and by appointment. This office also responds to the needs of students with disabilities and coordinates the appropriate accommodations for them. Protocols and guidelines for requesting these accommodations are described in The Cord, the student handbook. The office handles student accident insurance claims and sponsors the semi-annual blood drive.

Student Publications and Activities

There is a wide variety of activities available at the College, covering many areas of taste and interest. All students are encouraged to participate in extracurricular activities. The on-campus organizations give students the chance to grow socially and intellectually and provide opportunities for students to demonstrate and hone leadership skills.

Student Publications

The Cord is the student handbook, which contains the traditions, policies, procedures, and regulations of the College. Also included are descriptions of student services and activities. It is published annually to acquaint the student with life at St. Francis College.
The Franciscan is the College's student yearbook. It is an annual summary of student life with an emphasis on the graduating seniors and their contributions to the life of the College.

The Montage is the College's student literary and art magazine. Edited by students, it is a forum for the creativity and imagination of the College community and a vehicle for free expression.

The Voice is the College's student newspaper. It contains feature articles, editorials, and College sports information.

### Clubs and Organizations

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<thead>
<tr>
<th>Accounting Society</th>
<th>Haitian Alliance</th>
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<td>African Student Association</td>
<td>History and Political Science Club</td>
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<td>Albanian Alliance Club</td>
<td>Honors Club</td>
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<td>Arab American Society</td>
<td>Information Technology Club</td>
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<td>Backstage Club</td>
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<td>Black Student Association</td>
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<td>Caribbean Student Association</td>
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<td>Chemistry Club</td>
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<td>College Chorus</td>
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<td>Eastern European Club</td>
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<td>Economics Society</td>
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<td>Education Club</td>
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<td>English Club</td>
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<td>Finance Club</td>
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<td>Fine Arts Society</td>
<td>The Troupers</td>
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<td>French Club</td>
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### Social Fraternities and Sororities

- **Alpha Phi Delta** is a scholastic and social fraternity, whose Beta Sigma chapter was founded at St. Francis College in 1961. Alpha Phi Delta is a national fraternity.

- **Kappa Gamma Kappa**, whose local Beta chapter was founded in 1998, is a regional social sorority.

- **Pi Sigma Delta** is a social sorority, whose Delta chapter was founded at St. Francis College in 1970.

### Duns Scotus Honor Society

The Duns Scotus Honor Society primarily aims to encourage among students a love of, and desire for, excellence in scholarship and service to College. Its secondary aim is to honor and recognize worthy students who, by outstanding attainments, have won the esteem of their fellow students, members of the administration and faculty.
To be eligible for membership, a student must have completed 60 semester hours and two years of residence at the College. Applicants must have an index of 3.6 and show satisfactory evidence of distinguished participation in at least two extracurricular activities at the College. Upon requesting the membership application, prospective candidates will be given a detailed explanation of the requirements for membership. At Commencement, each member wears the red and blue tassel reserved for society members. Membership does not cease at graduation. Alumni and other distinguished persons who have rendered outstanding service at the College may be elected as honorary members.

**National Honor Societies**

Alpha Kappa Delta is a national sociology honor society whose purpose is to encourage scholarship among sociology majors, stimulate interest in sociology and sponsor research into social problems. The Xi Chapter was founded at St. Francis College in 1973. Membership is open to juniors and seniors who have completed at least 10 credit hours in sociology and have attained 3.0 both as a cumulative index and index in sociology.

Alpha Kappa Psi is a professional business fraternity whose Zeta Iota Chapter was established at St. Francis in 1964. The fraternity's aims are to further the welfare of its members, foster research in all facets of business, appreciate and demand higher ideals from the business world and to promote and advance in college and university courses leading to degrees in business administration. In accordance with these goals, the fraternity annually conducts a professional program intended to educate and broaden the interests of its members.

Alpha Psi Omega, Pi Zeta Chapter of the National Drama Society, was founded at St. Francis College in 1961. Membership is open to students who have participated in at least two College dramatic productions.

Chi Beta Phi, Alpha Xi Chapter, is a natural science honor fraternity established in 1969. It is open to junior and senior biology, chemistry and psychology majors who have a minimum cumulative index of 2.8 and a major or science index of 3.0.

Eta Sigma Gamma, Alpha Chi Chapter, is a national professional honor society in health science (education) whose principal purpose is to elevate the standards, ideals, competence and ethics of professionally trained men and women in the discipline of health science. The College chapter was founded in 1979. Membership is open to those with a cumulative index of 2.7 who have completed 12 credits in health science with an index of 3.2.

Kappa Delta Pi is a national society dedicated to fostering scholarship among students in education. The St. Francis College Xi Rho Chapter was established in 1978. Membership is limited to juniors and seniors participating in teacher training programs at the College. They must have completed 12 credits in the professional study of education and must have a cumulative index of 3.2.

Kappa Mu Epsilon, New York Theta Chapter of the National Mathematics Honor Society, is a vehicle for discussion and undergraduate research in mathematics. Membership is limited to sophomores, juniors and seniors who have an index in
mathematics of 3.0 and a cumulative index of 2.75 or better. Members must be mathematics majors and have completed at least 12 credits in mathematics.

Omicron Delta Epsilon, Eta Chapter, is an international economics honorary fraternity. The St. Francis Chapter is limited to juniors and seniors who have a cumulative index of 3.0 and have earned 12 credits in economics with a better than 3.0 average.

Phi Alpha Theta is a national history honor fraternity whose Theta Nu Chapter was established at St. Francis College in 1961. Membership is limited to juniors and seniors who have an index in history of 3.0 and a cumulative index higher than 2.8. Members must have completed at least 12 semester hours of history.

Phi Gamma Nu is a national professional honor society in business. Beta Psi Chapter was established at St. Francis College in 1976. A 3.0 index is required for membership.

Pi Sigma Alpha is the Political Science National Honor Society. The St. Francis Chapter was established in 2000. Pi Sigma Alpha membership is determined by the achievement of excellence in Political Science. All candidates must have completed 60 college credits and 12 credits in the field of Political Science while maintaining a minimum of 3.0 quality-point index both in Political Science overall. The St. Francis chapter was recently recognized as “Best Chapter” in colleges with fewer than 6000 students.

Psi Chi, the national honor society in psychology, serves to recognize psychology as a diverse science by encouraging students to develop research and clinical interests, attend regional and national conventions and become familiar with academic and clinical settings in the metropolitan area.

Sigma Delta Pi is the national Spanish honor society whose Zeta Theta Chapter was formed at St. Francis in 1967. Membership is limited to juniors and seniors who have an index in Spanish of 3.0 and rank in the top 35 percent of their class.

Sigma Tau Delta is the national English honor society. Membership is open to students who have completed 12 credits in English and attained an index in English of 3.0.

Theta Alpha Kappa is the national religious studies/theology honor society whose Tau Chapter was formed at St. Francis College in 1978. Membership is limited to students who have completed a minimum of 12 credits in religious studies with a 3.5 average and a cumulative index of 3.0. The purpose of this society is to encourage scholarship among its members, to further the pursuit of religious studies on the undergraduate level, and to bring students, teachers and writers of religion together both intellectually and socially.

Alumni Association

The Alumni Association, founded in 1887, exists to advance the principles and purposes of St. Francis College and benefit present and former students. All former students of St. Francis College become members upon graduation.
The Association fosters and promotes the growth, development and welfare of the College and advances the social, professional and economic interests of its members. The Association renders financial aid and sponsors a number of social and educational affairs that serve to stimulate and maintain interest among its members. Through the Association, alumni renew and make new acquaintances among graduates and former students.

The Terrier, the College's alumni magazine, is published twice each year (fall and spring). It serves as a communication vehicle between the College and its alumni and friends. The Office of College Relations coordinates the publication of The Terrier.

The Office of Alumni Relations is located in the Penthouse, (718) 489-5362.
Academic Life

The life of an institution such as St. Francis College is, of course, based on scholarship and academic quality. A faculty that comprises scholars and teachers who bring to the campus years of experience, as well as the perpetual desire to learn and grow, provides every student with educational opportunities. Special programs that prepare students for professional studies, graduate school or for careers as teachers, health professionals or accountants are among the best offered in the metropolitan area.

Academic Resources

The McGarry Library

The McGarry Library is a hub of academic activity at St. Francis College. It features a computer research center with 40 terminals with full Internet access. Another five terminals are reserved exclusively for library services. The library houses a collection of over 170,000 volumes, 520 periodical titles and 1,000 audio-visual titles. The collection can be accessed through the on-line catalog. A full range of databases of journals and newspapers, some with full-text articles, are a part of the library services. Interlibrary loan extends offerings beyond the college campus collection. As a member of the METRO and WALDO consortia, the library provides our students with access to the resources of academic, special and public libraries. The library contains areas for group and individual study and for viewing videocassettes and microforms. Photocopying machines are located on each floor.

As a full-service academic facility, the library conducts library tours for incoming students and provides bibliographic instruction in a variety of subjects. Reference librarians are available for individual consultation and instruction.

The Center for Academic Enhancement (CAE)

Staffed by professional and peer tutors, the CAE gives all students the opportunity to develop the skills necessary for academic success and independence at the college level. The Center provides tutoring for many content area classes and offers the following services and programs:

The Writing Center (205R) is designed to support student writing across the curriculum. Workshops on study skills, including note-taking, test-taking, time management and research paper writing, are offered each semester. The Center is equipped with the latest computer technology with full access to the World Wide Web and the Internet. Students may use the computers to conduct research and to complete their assignments. In addition, the staff of CAE provides reading and writing tutorials for native and non-native speakers of English.

Based on placement tests, Reading, Writing and Study Skills Workshop (SFC 040) helps native and non-native speakers develop the skills needed to meet the demands of academic English. Students will learn reading, writing and study skills in a variety of activities designed to stimulate discussion. The workshop is offered three hours a week for each semester (no credits).

Freshman Orientation (SFC 101) is a one-credit course offered on a pass/fail basis meeting once a week. It is required for all first-time, full-time students. This seminar covers information on campus resources and assists students in laying the groundwork for choosing a major and planning a career as well as organizing an academic plan for the completion of a
bachelor's degree. In addition, it helps students develop college-level academic and study skills, eases the transition from high school to college and generally helps students feel connected to the College and campus.

Mathematics and Science Lab (205R) offers individual and group tutoring for mathematics, math-related and science courses.

Summer Enrichment Program (A Brooklyn Odyssey) is a unique opportunity for incoming freshmen to explore the poetry, drama and film that has immortalized Brooklyn as the mythological cornerstone of American and New York City culture.

Academic Advisement

Advisement is an important aspect of each student's academic career. It is the responsibility of each student to know and meet graduation and other school requirements and to make every reasonable effort to obtain adequate academic advisement. Advisement ensures an understanding of the registration process and course selection appropriate to a student’s educational goals.

Consequently, each full-time degree student is assigned a faculty member to be his or her academic advisor. Students who have declared a major will be assigned an advisor who is a member of that student’s major department. Advisors also assist undecided upperclassmen and students who are changing majors with the selection of an appropriate major, clarification of their educational and career goals and a review of their academic progress.

Placement Testing

All first-time freshmen must take the College’s placement exams in reading, English and mathematics. Transfer students who have not received transfer credit for English and mathematics are also required to take these exams. Exam results are used to place students in appropriate English and math courses.

Instructional Computing

Information technology is playing an ever-increasing role in our professional and personal lives. Technology plays an equally important role in the academic lives of students at St. Francis College. Over 100 computers are continually upgraded to ensure that state-of-the-art computer hardware, scanners, laser printers, network facilities and software are available to students and faculty in a variety of classrooms and computer laboratories and in the library's computer/research center. Each of the College's personal computers can access file directories and software on local-area-network-based file servers and through the College's Intranet and Internet facilities. High-speed Internet access opens the campus doors to the World Wide Web for e-mail and research. Academic departments utilize specialized hardware and software, leveraging technology in the classroom for instructional presentations and introducing technologies related to students' fields of study. Students have the opportunity to work hands-on with the technology they will encounter in the workplace when they begin their professional careers.
Freshman Studies

A student coming to St. Francis College will find many services to ease his or her transition into the College's life. The Office of Freshman Studies coordinates the placement, advisement and scheduling of all first-year students. Freshman Orientation, a required one-credit course, meets once a week during a student's first semester. The class, known as SPC 101, helps the student to develop academic and study skills and organize an academic plan for the completion of a bachelor's degree. In addition, it supplies information on campus resources, assists in laying the groundwork for choosing a major and planning a career, eases the transition from high school to college and generally helps students feel connected to the College and campus. Prior to registration, the College issues each freshman an academic profile based on his or her anticipated major field of study, performance on entrance examinations and placement tests and the student's secondary school record. With the assistance of an academic advisor from the Office of Freshman Studies, the entering freshman will choose a program of study for the first three semesters, recommended specifically to assist in developing skills and strengthening the cognitive abilities needed to meet the core curriculum requirements and succeed in advanced-level courses.

Freshman academic advisement is an important part of the first year of study. All first-year students are required to meet regularly with their academic advisors from the Office of Freshman Studies to discuss their educational plans and their academic progress. During pre-registration periods in the Fall and Spring semesters, freshmen will meet with their academic advisors or with the Dean of Freshman Studies to plan their courses for the next semester.

Academic Policies

Credit Hours and Credit-Hour Loads

One credit hour represents one hour of regular class participation in a lecture or two or more hours in a laboratory session each week. Full-time students may not carry fewer than 12 or more than 18 credit hours a semester. Permission to take more than 18 hours may be granted by the Academic Dean. Under no circumstances may a student register for more than 21 credit hours for a single semester. No student may register for more than 6 credit hours during a summer session or during the Intersession. A student registered only for ED 404 or ED 404P (Supervised Student Teaching) is considered a full-time student.

Registration Procedure

Registration is contingent upon a record of satisfactory grades for the previous semester. Students are required to have their course selections for the following semester approved by their respective advisors during the advisement period.

Final registration days are indicated on the College calendar. Registration will not be complete until the payments required by the Student Accounts Office have been made. Students may not report for any course for which they have not registered. They must attend the section selected unless permission has been obtained from the Registrar to change from one section to another. They may not register for a course unless all prerequisites have been satisfied.
Late Registration

Enrollment after the designated registration days will be permitted only with the consent of the Academic Dean and only for a satisfactory reason. Late registrants will be charged a fee of $75.

Dropping a Course

Students will be permitted to drop courses during the first week of the Fall and Spring semesters and during the first two days of the Summer semester. This right in no way relieves the student of the responsibility to complete core or departmental requirements in the appropriate sequence, nor does it relieve the student of tuition obligations.

Withdrawal from a Course or from the College

Students who wish to withdraw from a course after the first week of the Fall and Spring semesters or after the first two days of the Summer semester may do so under the following conditions:

Report to the Registrar’s Office to complete the proper forms.

The grade of “W” (withdrawal) will appear on the transcript for the course but will not be computed in the student’s quality-point index.

The last day for withdrawal from courses with a grade of “W” will be exactly nine weeks after the start of the semester. Only under very unusual circumstances, and with the permission of the Academic Dean, will students be permitted to withdraw after the deadline. The date of withdrawal is the day the student informs the Registrar’s Office.

Note: The failure to attend a class does not constitute an official withdrawal from a course. Students who drop or withdraw from a course are advised to see a financial aid counselor regarding the effect this action may have upon their receiving financial aid. Students obliged to withdraw from the College should contact the Registrar’s Office for further instructions.

Attendance

Generally, when a student is absent for more than 10 percent of the total class meetings of a course, he or she is subject to a grade of F for excessive absences. Students who have accrued five hours of consecutive absences are automatically reported to the Office of the Vice President of Student Affairs/Dean of Students. Seniors with 2.0 cumulative index or better may be entitled to privileged attendance. This will be granted at the discretion of the individual instructor and such policy will be announced at the first class meeting.

Religious Holidays

All colleges and universities in New York State must not, in any way, penalize a student who, because of his/her religious beliefs, is unable to register, attend class, take an examination or participate in any required academic work on a particular day or days. Any absence(s) accrued under these circumstances will be excused, and alternatives will be provided for the student to register or make up any required work. No additional fees, requirements or penalties will be
assessed. All members of the College community are expected to exercise good faith with respect to the implementation of these provisions.

**Grades**

Final grades reflect the combined results of class work and examinations. They are computed according to the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Quality Points</th>
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<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
</tr>
<tr>
<td>B+</td>
<td>Very Good</td>
<td>3.5</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
</tr>
<tr>
<td>C+</td>
<td>Above Average</td>
<td>2.5</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>Poor</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0.0</td>
</tr>
<tr>
<td>H</td>
<td>Honors</td>
<td>(not computed)</td>
</tr>
<tr>
<td>P</td>
<td>Passing</td>
<td>(not computed)</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>(not computed)</td>
</tr>
</tbody>
</table>

Scholastic achievement is recorded by means of quality points. Points are assigned as indicated in the preceding table for each credit hour completed. The quality-point index (QPI) is obtained by multiplying the credit value of each course (whether passed or failed) by the number of points that correspond to the grade earned, adding all of the resulting quality points together and dividing the total number of quality points by the total number of credit hours.

When a course is repeated and a higher grade is achieved, the previous grade is not included in the index, provided the student has filed a Repeat Course Form.

Only courses completed at St. Francis College are evaluated for purposes of the quality-point index and honors. Courses taken under the Study Abroad Program, those taken at St. Vincent's Catholic Medical Centers of New York and those taken in the Medical Technology Program at Methodist Hospital are included in the total index.

A cumulative QPI of 2.0 is required for graduation. A QPI of 2.0 in the major field is also required for graduation.

Under a special faculty ruling, students may not expect to receive a passing grade in any course in which they fail to maintain standards of good English in essays, examinations and other written requirements.

**Pass-Fail Courses**

Any student studying a foreign language at the 100 level (101-102; 103-104) may elect to take that course on a pass-fail basis. Any student taking HS 100A or 100B or PE 100 [A-L] may elect to take the course on a pass-fail basis. Juniors and seniors who are not on probation may take no more than one elective course each term to be recorded on their permanent record on a pass-fail basis. This privilege may be used for a maximum of four terms; only one elective course may be selected each term. Courses required in the core curriculum, Honors Program or major department may not be selected for pass-fail status. The student must designate the course that he or she wishes to take pass-fail on a special form provided by the Registrar's
Office no later than the end of the fourth week of the school term (second week of summer session). This privilege does not excuse students from the required work of the particular course. Once the request is submitted, it may not be revoked.

**Report of Grades**

Report of grades by the Registrar is sent to the student twice each semester. Mid-semester grades are advisory in nature. Grades awarded at the end of the semester become part of the student's official academic record.

Written permission of the student is required for the release of academic information to anyone other than the appropriate academic officials of the College.

**Appeal of Grades**

A request for a change of grade must conform with the procedures established by the Faculty Academic Standards Committee and ratified by the faculty. Students are referred to the appeal procedures outlined in the current edition of *The Cord*, the student handbook.

**Graduation Honors**

Graduation honors are inscribed on baccalaureate diplomas and, when feasible, recorded in the published list of graduates as follows:

<table>
<thead>
<tr>
<th>Graduation Honor</th>
<th>Minimum Quality-Point Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summa Cum Laude</td>
<td>3.8</td>
</tr>
<tr>
<td>Magna Cum Laude</td>
<td>3.6</td>
</tr>
<tr>
<td>Cum Laude</td>
<td>3.4</td>
</tr>
</tbody>
</table>

A student must complete 60 credits in residence at St. Francis College for these honors.

**Independent Study**

Independent Study refers to the investigation of a topic selected by a student in consultation with a faculty member who advises and directs the progress of the student's research. It is open to qualified juniors and seniors (both majors and non-majors) who have completed at least three courses (nine credit hours) in the particular discipline or students who are otherwise qualified in the judgment of the faculty mentor and department chairman.

No student is permitted to register for more than one three-credit independent study course in a given semester. Written approval of the Academic Dean is required for any course beyond the three-credit limit. In addition, no student may complete more than six credits in total (normally two courses) through independent study. The pass-fail option is not available for independent study courses.
Field Placement/Internships

Field Placement/Internship refers to observation and supervised experience within selected settings in an area of a student’s professional interests for which credit is granted.

The purpose of Field Placement/Internship is to provide practical experience in a work setting chosen by the student in consultation with the faculty coordinator. Application of course work and theory as well as problems and progress are discussed. The course allows the student an opportunity to grow and refine skills in preparation for employment after graduation.

Students must obtain the written permission of the departmental chairperson in which the Field Placement/Internship is being conducted and the cooperation of a faculty coordinator willing to supervise the academic aspects of the project. Students meet with their faculty coordinators to arrange for site placement and a supervising officer in the Field Placement/Internship who is responsible for completing an evaluation at the conclusion of the semester.

Field Placement/Internships must amount to a minimum of 135 hours per semester for a three-credit Field Placement/Internship. In addition to site placement hours, papers and conferences on campus, students are required to maintain a log detailing their activities and experiences in the course and submit it to the faculty coordinator in time for a grade to be assigned in accordance with the academic calendar.

Students are required to check with the respective department to determine the specific requirements of each Field Placement/Internship course. However, with the exception of PSC 4990, no student is permitted to register for more than one three-credit Field Placement/Internship in a given semester. Written approval of the Academic Dean is required for any course beyond the three-credit limit. In addition, no student may complete more than six credits in total (normally two courses) through Field Placement/Internship. The pass-fail option is not available for Field Placement/Internship courses.

Dean’s List and Duns Scotus Honor Society

Each semester a list of honor students is published by the Academic Dean. This list recognizes students’ academic achievements and includes those students who have achieved a quality-point index of 3.5 or better. In order to be eligible for this award, full-time students must attempt and complete 12 or more credit hours and part-time students must attempt and complete 9 or more credit hours, exclusive of remedial courses, dropped courses and courses taken as pass-fail. This award is open to matriculated students only.

Election to the Duns Scotus Honor Society is made each year and is limited to juniors and seniors. Only those students who have achieved high scholarship and have demonstrated their service to the ideals and activities of the College are eligible. Election entitles the student to wear the key of the Society, conferred at a special convocation each year.

Probation and Academic Dismissal

Probation indicates that a student’s academic work is below the expected standard. It is determined as follows:
Freshmen (fewer than 28 credit hours completed) will be placed on probation if their QPI is below 1.50.

Sophomores (28 to 59 credit hours completed) will be placed on probation if their QPI is below 1.75.

Juniors and seniors (60 or more credit hours completed) will be placed on probation if their QPI is below 2.0.

Day students on probation may not register for more than 12 credits per semester; evening students on probation may not register for more than 6 credits per semester. Permission to register for additional credits must be obtained from the Office of the Academic Dean.

No student may remain on probation for more than two consecutive terms.

Any student is subject to academic dismissal at any time for poor academic standing or for a failure to demonstrate academic progress. Excessive course withdrawals, regardless of the student’s grade point average, are an example of failure to demonstrate academic progress.

Course Repetition and D Grades in Major Courses

Students are encouraged to repeat any course(s) that they have failed as soon as it is offered. Waivers for D grades in a major are not normally granted. However, a department chairman may choose to waive a D in a major-field course, provided the student has maintained a 2.00 index in his/her major. The department chairman must provide the Academic Dean with a rationale for granting the waiver. Under no circumstances may more than two D grades in a major be waived. A grade of F in a major-field course may never be waived.

Courses at Other Institutions

Except for approved cross-registrations, the College does not grant permission to pursue courses at other institutions, unless a required course is not being offered during the semester at St. Francis College. When such permission is granted, the combined programs may not exceed 18 credit hours per semester. Permission may be granted to attend the summer session at another institution, provided that the courses sought are required and are not being offered at St. Francis College. In no case may a student take a total of more than six credits during a five-week summer session.

Permission may be granted to take courses at another institution under the following conditions only:

The student has a cumulative quality-point index of at least 2.0.

Written approval has been granted by the Academic Dean in accordance with the policies of the departments concerned (such approval will normally not be given for students who have entered the senior year). Credits will be transferred only for courses for which students received a grade of C or better.

Note: Transcripts to be evaluated for credit from any off-campus source (including courses at other institutions, CLEP scores, NYU Language Proficiency Exams and Military Transcripts) must be received by the Registrar’s Office no later than January 31 of the graduating year for students to be considered for May commencement.
Participation in Commencement

Only students who have completed all degree requirements by the end of the Spring semester will be eligible to participate in the May Commencement exercises.

Requirements for Degree

The graduation requirements of the College, as published in the catalogue in effect at the time of the student’s initial enrollment, are those which must be met for the completion of a degree program. Students who withdraw and then re-enter are responsible for graduation requirements as published in the catalogue at the time of re-entrance.

The College reserves the right to change the course and credit hour requirements of any or all academic programs when such modifications are deemed necessary. All students must comply with the new requirements insofar as such modifications pertain to courses and/or credit hours yet to be completed. Such changes, however, will be made only for the purpose of more fully achieving the objectives of the curriculum. Department chairmen have authority to waive or provide substitute course work for departmental requirements. Only the Office of the Academic Dean has the authority to waive or provide substitute course work for Core Curriculum requirements.

A candidate for a degree must complete the required courses as outlined in his or her respective curriculum and have a cumulative index and a major index of at least 2.0.

Each candidate for a baccalaureate degree must complete a major field of study and obtain a passing grade on a comprehensive examination or project in the major field. In addition, competency at an appropriate level of mathematics must be demonstrated prior to qualifying for graduation.

All baccalaureate students must satisfy a two-credit health or physical education requirement.

Core Curriculum

The core curriculum is the cornerstone of St. Francis College and supports its goal to educate educated, well-rounded students who are prepared to enter a changing world. The cultivation of critical awareness is one of the primary objectives of the core curriculum. Such critical awareness enables students to use the intellectual skills and the fundamental knowledge that are also essential goals of the Core. It aims to help students develop the reading, writing, verbal and computing skills necessary to analyze and synthesize information, construct arguments and identify and solve problems. At the same time, the core curriculum provides the groundwork for the student’s successful in-depth study of one or more disciplines. All students in baccalaureate and associate degree programs, must complete the following courses.
<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Associate's Degrees</th>
<th>Baccalaureate Degrees in Aviation Business Studies</th>
<th>Health Care Management Special Studies</th>
<th>All Other Baccalaureate Degrees (Except Education)</th>
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<tbody>
<tr>
<td>Communications 203</td>
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<td>Philosophy (courses to be taken in sequence) 4</td>
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<td>(any 100- or 200-level)</td>
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1 Students pursuing the Education curricula for initial endorsement will follow the integrated core and major requirements as outlined in the Education section of this Catalogue.

2 Students who achieve a superior score on the placement test or who meet other criteria established by the English Department may be exempt from the English 103 requirement and substitute another English course.

3 In satisfying the core curriculum, English 200-level literature courses are designed to meet the needs of the majority of students. However, students with a superior background in English may select from among the 300/400-level literature courses.

4 The philosophy sequence consists of one 100-level course, one 200-level course and one 300- or 400-level course.

5 The three elective credits in Liberal Arts must be selected from these areas: biology, chemistry, communications, economics, English, fine arts, French, health science, history, international cultural studies, Italian, mathematics, philosophy, physics, political science, psychology, religious studies, science, social studies, sociology or Spanish.

**Health or Physical Education Requirement**

All baccalaureate students must satisfy a two-credit health or physical education requirement. This can be accomplished by taking Health Science 100A, Health Science 100B or Physical Education [A-L]. Students who participate in intercollegiate athletics (as well as Physical Education majors) must take health Science 100A or 100B or Physical Education 100A.

**Designating a Major Field of Study**

All students must designate a major field from among those offered by the College. Designation of Major Forms must be filed in the Registrar's Office by the end of the sophomore year. Failure to do this may jeopardize the student's financial aid. Students are responsible for consulting their major department for advice on planning their registration programs.
Students who wish to change their major field of study must obtain permission from the chairman of the department in which they wish to enroll. Change of Major forms may be obtained in the Registrar's Office.

**Major Fields of Study—Current Offerings**

Students may choose from the following major fields of study. Minors and specializations (concentrations) may also be available, depending on the major. See the appropriate academic section of this catalogue for details. Students who pursue programs that are not registered and approved jeopardize their eligibility for financial aid.

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</table>

The following programs are currently offered at St. Francis College:
Notes:

1 This program leads to Initial Teaching Endorsement.
2 In cooperation with NY College of Podiatric Medicine.
3 Students are admitted to the Long Island College Hospital School of Nursing and are permitted to take science and liberal arts courses at St. Francis College. Degree and R.N. are granted through LICCH.
4 Students are admitted to St. Vincent’s Catholic Medical Center School of Nursing and are permitted to take science and liberal arts courses at St. Francis College. Degree and R.N. are granted through St. Vincent’s Catholic Medical Center.
5 Open to qualified transfer students with a valid R.N. only.
6 New York State Initial Endorsement is for all grades.
7 In cooperation with St. Vincent’s Catholic Medical Center.
8 Open to qualified transfer students only. See below for more information.

Major Fields of Study—Suspended Programs

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<th>7-12*</th>
<th>HEGIS Code</th>
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<tbody>
<tr>
<td>The following programs will be suspended during the life of this catalogue. New students are not permitted to enroll in these areas; however, students currently pursuing degrees in these areas may be able to complete their program. Contact the academic department for further details—including course availability and completion deadlines.</td>
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Bachelor of Science in Special Studies
(Qualified Transfer Students Only)

The Bachelor of Science in Special Studies degree is designed for the student seeking a flexible program of study tailored to individual needs. Students who are planning a career change or who are seeking to enhance previously acquired skills with academic attainment will find the opportunity to “tailor make” a curriculum especially beneficial.

At least half of the total 128 credits must be in the liberal arts and sciences. This requirement can be met through transfer credit, credit for Experiential Learning or study at St. Francis. Each student develops, with the help of an educational advisor, an individualized interdisciplinary program drawn from various academic departments with no more than 21 credits in any one department.

Candidates for admission should submit approximately two years, or 60 academic credits, of post-secondary education taken at another institution. Transfer credits will be awarded in accordance with College policy as approved by faculty. Students who have substantial experience through professional, community and personal endeavors may apply to participate in the Experiential Learning Program. This program requires students to challenge the credits for specific college courses through the preparation of an extensive portfolio documenting the student’s expertise and experience in any academic discipline.

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Associates Degree (A.A.) in Liberal Arts

This flexible 64-credit program allows students to explore a wide variety of liberal arts disciplines. Students who complete the A.A. degree in good academic standing are welcome to continue at the College in one of the B.S. or B.A. programs. For more information, please see the Office of the Academic Dean.

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<td>English 103</td>
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</tr>
<tr>
<td>English Literature</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts 401, 402 or 403</td>
<td>3</td>
</tr>
<tr>
<td>History 1201</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics or Natural Science [any level]</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy 101 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy 201 or 203</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 203</td>
<td>3</td>
</tr>
<tr>
<td>SFC 101</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Core credits:</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>
Major Requirements

History 1101 or 1102 .................................................................3
Information Technology 101 .........................................................3
Psychology 100 ..................................................................3
Liberal Arts electives ...............................................................12
Free electives .................................................................12
Total major credits: .................................................................33
Total credits required: ..............................................................64

Minor Fields of Study

In the interest of achieving an additional dimension of educational depth, students who so desire may select a set of elective courses, preferably in a subject area not related to their major field of study, as a minor concentration. A maximum of two minor concentrations are noted on students' transcripts as a way of recognizing that they have, in addition to the required major program, also concentrated to a lesser degree in one or more additional areas. To obtain a minor designation from St. Francis College, a minimum residency requirement of nine credits at the College shall apply. A minimum grade of C is required in all minor program courses. To designate a minor, students must file with the Registrar an official declaration form by the end of the semester immediately preceding that of graduation. Special studies majors do not pursue any minor field of study.

St. Francis College offers the following minor fields of study:

<table>
<thead>
<tr>
<th>Biology</th>
<th>Information Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
<td>International Cultural Studies</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Italian</td>
</tr>
<tr>
<td>Communications</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Corporate Accounting</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Economics</td>
<td>Political Science</td>
</tr>
<tr>
<td>English</td>
<td>Psychology</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>Religious Studies</td>
</tr>
<tr>
<td>French</td>
<td>Sociology</td>
</tr>
<tr>
<td>Health Promotion and Science</td>
<td>Spanish</td>
</tr>
<tr>
<td>History</td>
<td>Travel and Tourism</td>
</tr>
</tbody>
</table>

Note: In accordance with the College's standard practice, courses leading to a minor concentration are subject to cancellation in cases of insufficient enrollment.

Preparation for Professional Study

Pre-Law

Law schools do not prescribe a definite pre-law curriculum for prospective students. Therefore, students interested in attending law school have to make their own selection of undergraduate courses to assist them in achieving their goal. In choosing both courses and a major field of study, students should remember that law schools consistently indicate that they want applications from students who can think logically and express themselves clearly and cogently both orally and in writing. The Law School Admissions Test (LSAT) is required of all applicants by most law schools. This examination is administered by the Educational Testing Service of Princeton, New Jersey. Students interested in studying law should seek an interview with the pre-law advisor, Dr. Frank J. Macchiaraola.
Internship opportunities

Excellent opportunities exist for paid and volunteer work experiences in a number of fields through various internship programs. Academic credit is often awarded by permission of department chairmen and the Academic Dean.

Some examples of intern programs are the New York City Summer Management Intern Program, Public Interest Research Group Internships, Urban Fellow Program, New York City Transit Authority Intern Program and New York State Assembly Session Internships.

Study Abroad

Students may elect to study abroad for one or two semesters and apply this work toward the St. Francis degree. Students may select a course and place of study from among many programs sponsored by international education agencies such as the Institute of European Studies or the International Education Exchange Service. They may also participate in the Inter-American Studies Program sponsored by the United States Government or other recognized educational institutions. Interested students should consult their department chairman and obtain program approval from the Office of the Academic Dean.

Note: Grades earned while studying abroad are included on the student’s transcript, and are calculated into the quality-point index.

United States Reserve Officers' Training Corps Program (ROTC)

Qualified full-time students may participate either in the Army ROTC Program at Polytechnic University or in the Air Force ROTC Program at Manhattan College on a cross-enrollment basis. The two- or four-year program leads to a commission as a Second Lieutenant in the United States Army or the United States Air Force. Interested students should contact the Office of the Academic Dean of St. Francis College for further information.

Comprehensive Examination or Project

During senior year, the College tests students' overall understanding of their major fields of study. The test may take such forms as a senior seminar requiring the application of knowledge and skills acquired through the major; a senior thesis indicating mastery of the skills taught in the major and that demonstrates independent study; or a comprehensive examination, written and/or oral. The specifics of this requirement are determined by the major department chairman with the approval of the Vice President for Academic Affairs.

The grades earned in the comprehensive examination or project shall be signified as follows:

H: Honors, 90 percent or better
P: Pass, 70-89 percent

Students who merit a grade of “H” in the comprehensive examination may be exempt from final examinations in all courses of their major field at the end of the senior year at the discretion of the department chairman.

Senior Residency Requirement

The final 30 credits for the degree must be earned at St. Francis College.
DIVISION OF SCIENCES AND ALLIED HEALTH

Consistent with the mission, goals and objectives of St. Francis College, the Division of Sciences and Allied Health seeks to prepare students of integrity with a sound foundation in liberal arts and with the necessary background to succeed in graduate and professional schools, as well as in careers in sciences and allied health fields. The division encompasses five academic departments and numerous pre-health professional programs through external affiliations.

Departments:
   Allied Health
   Biology
   Chemistry and Physics
   Mathematics
   Nursing

Pre-Health Professional Programs:
   Medical Technology
   Radiologic Sciences
   Diagnostic Medical Imaging
   Physician Assistant
   Pre-Occupational Therapy
   Pre-Physical Therapy
   Pre-Medicine, -Dentistry, -Podiatry, and -Veterinary Medicine

In addition to the academic majors and programs offered within these units, the Division contributes to general education through the Core Curriculum and courses which serve majors in other fields.

Note: Because of the rigorous requirements for many of these programs, students are advised that unless they start the course sequence in their freshman year, degree completion may necessitate more than the typical four undergraduate years.
Department Mission

The degrees within the Allied Health Department provide a fundamental and thorough education in the liberal arts tradition while concurrently providing pre-professional preparation in health promotion or health administration/management. Mastery of the liberal arts core, as well as communication skills built sequentially into the major curriculum, supports the graduate as he or she enters and adapts to changes in the professional domain and contributes to his or her success as a mature and responsible citizen beyond graduation. The departmental programs are designed to prepare students for careers immediately after graduation and/or graduate school and professional training.

Goals and Objectives

To demonstrate knowledge, skills and behavior appropriate to entry-level positions in health care organizations.

To investigate, analyze and write a well-documented research paper based on a complex health problem.

To formulate a comprehensive oral presentation.

To will, develop, achieve and sustain a lifelong commitment to personal and professional growth.

Special Notice

The final offering of required courses in the Health Care Management and Health Service Administration majors will be in the Fall 2003 and Spring 2004 Semesters. All current majors in these programs are directed to speak with their academic advisors in order to plan for the effective completion of their studies. The Health Promotion and Science major and all associated courses will continue to be offered.

HC 106—Final Offering, Fall Semester 2003
HC 203—Final Offering, Fall Semester 2003
HC 701—Final Offering, Spring Semester 2004
Requirements for Department Majors and Minors

Major in Health Care Management for Health Professionals—Required Courses and Credits

Please refer to the Special Notice at the beginning of this section and the course descriptions for important information on course availability.

This program provides an opportunity for individuals already professionally employed in the health care field to obtain knowledge and skills which will prepare them to enter middle-management positions in health care fields. RNs, lab technicians, x-ray personnel and others are enabled to move up in their own fields (for instance, to supervisor or department head) or to cross over into administration.

Enrollment in the program is intended for those who have had a minimum of two years of post-secondary training and a minimum of three years of professional experience in the field. The program has been planned to allow flexibility; 60 percent of the program is elective (except 42 semester hours must be in the liberal arts), so that a sequence of supporting courses can be developed to meet the needs of the individual student. The program allows the student to receive transfer credit for courses completed at other accredited institutions. Many applicants have had learning experiences acquired outside academic life that merit Experiential Learning credits. The Bachelor of Science in Health Care Management program allows qualified individuals to apply for this evaluation.

Credits

Core curriculum, including Mathematics 301 .............................................................................. 21
Health Care 101-102; 103; 104; 105; 106; 203; 701 and two health-related electives ........... 30
Health Science 100A or 100B or Physical Education 100 [A-L] ........................................... 2
Liberal Arts electives ............................................................................................................. 42
Free electives ....................................................................................................................... 33
The successful completion of Health Care 701 satisfies the College's Comprehensive Examination/Thesis requirement.
Total credits required: ........................................................................................................ 128

Major in Health Services Administration—Required Courses and Credits

Please refer to the Special Notice at the beginning of this section and the course descriptions for important information on course availability.

The health services administration major emphasizes the areas of management, economics and science. It prepares students to enter administrative positions in hospitals and voluntary and public health agencies as well as a variety of careers in the private sector with organizations such as pharmaceutical and insurance companies. The major is also good preparation for graduate study in public administration, public health, community health, hospital administration and MBA programs. Graduate study can enable students to obtain supervisory and department head positions in hospital personnel, admissions and business and records departments as well as associate directorships in nursing, ambulatory services, business and planning.
Core curriculum, including Mathematics 301 and Biology 102 ........................................... 42
SFC 101 .......................................................................................................................... 1
Health Care 101-102; 103; 104; 105; 106; 203; 600; 701; Health Science 102; 406;
and two health-related electives ....................................................................................... 39
Economics 1201; 1202; 3310 .......................................................................................... 9
Information Technology 101 ......................................................................................... 3
Human Resources 310 or Psychology 317 ...................................................................... 3
Liberal Arts electives ...................................................................................................... 9
Free electives ................................................................................................................ 21
Health Science 100A or 100B or Physical Education 100 [A-L] ..................................... 2
The successful completion of Health Care 701 satisfies the College's Comprehensive
Examination/Thesis requirement.
Total credits required .................................................................................................. 129

**Major in Health Promotion and Science—Required Courses and Credits**

The health promotion and science major offers students the opportunity to study an exciting
and growing segment of the health care industry, preparing them for employment in corpora-
tions, health facilities and community settings. Students investigate disease prevention and
health promotion in a variety of settings, learn concepts and principles underlying educational
strategies and apply these theories to planning, designing, implementing, and evaluating a
program of their own (such as smoking cessation, heart-healthy eating, or fitness). Field place-
ment and a capstone seminar are integral to this program. The flexible elective pool allows
each student to customize his or her degree with concentrations based on career interests. At
the completion of this major, the student may be prepared to sit for the CHES (Certified
Health Education Specialist) examination.

Core curriculum including Mathematics 301, Biology 102 and Religious Studies 205 ...... 42
SFC 101 .......................................................................................................................... 1
Health Science 102; 150-151; 250-251; 406; 503; 701; and four health-
promotion-related electives ............................................................................................. 36
Information Technology 101 ........................................................................................ 3
Psychology 100 ............................................................................................................ 3
Free electives ................................................................................................................ 42
Total credits required .................................................................................................. 127

**Minor in Health Promotion and Science—Required Courses and Credits**

A minor in Health Promotion and Science is both useful and appropriate for a variety of
students interested in the educational side of health care. Because health and fitness is a
rapidly expanding industry, opportunities abound for individuals with talents and backgrounds
in areas such as English, communications, economics, pre-med, sociology, psychology, physical
education and management combined with health promotion skills. Health Promotion
specialists find employment in schools, community centers, health clubs and corporations.

Major requirements: Health Science 150; 151; 250; 251 .................................................. 12
Two courses from Health Science 102; 206; 207; 301; 305; 306; 403; 406; 419 .................. 6
Total credits required .................................................................................................. 18
Health Care [HC] Courses

HC 101-102 Introduction to American Health Care Service Delivery

An introduction to the pluralistic health system of modern America: institutions, manpower, consumers, financing and government. This two-semester course will survey topics covered in higher-level courses and describe the broader environment in which individual services are grounded. Topics include public, private and voluntary services, the impact of laws and regulations at the local, state and federal levels, the public health hierarchy and the influences of fiscal intermediaries on health care. HC 101 is a prerequisite to HC 102. 6 credits. No Longer Offered.

HC 103 Organization and Management of Health Institutions

Introduction to basic organization with emphasis on acute-care hospitals and their departmental structure. Also covered are managerial functions and supervisory skills for the middle manager, as well as a comparison of managerial styles. Prerequisite: C or better in HC 101-102. 3 credits. No Longer Offered.

HC 104 Legal Issues in Health Care

An overview of legal issues confronting health care personnel. Topics include contracts, informed consent, patient rights, record keeping, liability for negligence and malpractice, as well as other ethical topics. Prerequisite: C or better in HC 101-102. 3 credits. No Longer Offered.

HC 105 Personnel Management in the Health Field

Introduction to the effective management of human resources, or people at work. Topics covered include recruitment, training and supervision, discipline, evaluation and termination. The course applies personnel theories and techniques to the health field. Prerequisites: COM 203; HC 103. 3 credits. No Longer Offered.

HC 106 Decision-Making in the Health Field

An in-depth workshop approach to management problems in health care delivery. The emphasis is on case study and an experiential method of problem-solving. Specific cases will be used to illustrate problem-solving and decision-making techniques of practical use to health care professionals. Interpersonal skills and group dynamics are also developed. Prerequisite: C or better in HC 101-102. 3 credits. Fall 2003—Final Offering. Evening.

HC 203 Financial Management for the Health Field (formerly HC 436-438)

Survey of the principles of accounting theory with emphasis on their application to the health field. Managerial accounting as it relates to planning, budgeting, staffing and rate setting. Designed for the middle manager. 3 credits. Fall 2003—Final Offering. Evening.

HC 500, 501 Independent Study I, II

Independent investigation into selected topics in health care management under the direction of a department faculty member. The project usually culminates in a major research paper. With the approval of the department chairman only, requires a written proposal accepted by the chairman prior to registration. Prerequisites: At least 15 credits in Health Care or Health Science with a B average. 3 credits per semester. Every semester; day and evening.
HC 600, 601 Field Placement in the Health Field I, II

Observation and supervised experience in selected health care settings; participation in administrative meetings and training sessions. Includes on-campus seminar to discuss problems and progress. May be taken for two semesters with the approval of the chairman only. Prerequisites: At least 15 credits in Health Care or Health Science and senior standing. 3 credits per semester. Every semester.

HC 701 Seminar in Health Management Issues

Senior seminar dealing with the ethical aspects of current issues in the health field. Topics may include organ transplantation, managed care, informed consent, confidentiality of patient records, reproductive technology, genetic research and whistle blowing. Designed to be taken in the student’s final year, this course is the capstone experience for both content and skills. Fulfilling the College requirement of a comprehensive project, each student will make a major presentation and write a mid-length thesis-quality paper. Taken in the last semester, with the approval of the chairman. 3 credits. Offered Fall 2003 and Spring 2004—Final Offering.

Health Science [HS] Courses

HS 100A Health Issues

Provides an overview of select current issues in the area of health. Data necessary for making informed decisions will be presented. Personal and societal attitudes, beliefs and values implicit in the decision-making process will be discussed as they relate to health behavior and, consequently, health outcomes. 2 credits. Every semester; day and evening.

HS 100B/PE 100A Exercise, Fitness and Weight Control

An interdisciplinary (Health Science/Physical Education) approach to the relationship of exercise to health, including nutrition and weight control, stress reduction and cardiovascular fitness. The course includes classroom work as well as participation in fitness assessment and activities. One of the two-credit HS, PE, HS/PE options required of all students for graduation. This course is offered on a graded basis. 2 credits. Every semester; day and evening.

HS 102 Community Health

An introductory course in community health issues, including basic concepts of community health, overview of government, foundations, private agencies and voluntary health organizations; health care reform issues; the nine different areas of community health programming, such as chronic and communicable disease control measures, health promotion and health education. 3 credits. Fall Semester; day and evening.

HS 150 Introduction to Health Promotion

Concepts and principles underlying the use of educational strategies to prevent disease and promote health in a variety of settings, including community organizations, schools and colleges, clinics, hospitals and corporations. 3 credits. Fall Semester; day.
HS 151 Foundations of Health Promotion

Literature review of relevant learning theories and their application to health promotion in various settings with various target populations. Prerequisite: HS 150. 3 credits. Spring Semester; day.

HS 206 Safety and First Aid

A survey of home, school and community programs in safety and first aid. Methods of safety research, Haddon's matrix, rating calculation, identification of accident types, methods to control causation and responsibilities of individuals and the community for safe living. Procedures for temporary care of victims of accidents and sudden illness. Successful completion of this course leads to American Red Cross Certification in Standard First Aid and Personal Safety (includes Adult CPR). 3 credits. Every semester; evening.

HS 207 Nutrition

An introductory course in the study of human nutrition that includes its importance to optimum physical and emotional health. The nutrients—carbohydrates, proteins, lipids, water, vitamins and minerals—are studied as to their composition, usage in the human body, where found in foods, how digested and utilized in the human body. Body requirements, patterns of diet for various groups and specific conditions, as well as social and cultural influences on food selection are studied. 3 credits. Every semester; day and evening.

HS 250 Designing Health Promotion Programs

Students are guided through planning and designing a health promotion program in a content area, setting and population of their own choice. Prerequisite: HS 151 and at least two health promotion electives. 3 credits. Fall Semester; day.

HS 251 Implementation and Evaluation of Health Promotion Programs

Students are guided through program acceptance, marketing implementation and evaluation of the project started in the previous course. Prerequisite: HS 250. 3 credits. Spring Semester; day.

HS 301/PSY 301 Health Counseling

Not intended for psychology majors. This interdisciplinary course focuses on both issues and techniques of health counseling. It investigates ways in which a health professional can detect needs of clients and work cooperatively to foster better health. It explores the helping relationship's impact on health behavior. 3 credits. Offered as needed; day and evening.

HS 305/PSY 225 Coping with Stress (formerly HC 305)

This interdisciplinary course explores theories, research and techniques related to the impact and management of stress. Emphasis upon the application of stress reduction techniques through class exercises in progressive muscle relaxation, autogenic and imagery training, systematic desensitization, assertiveness training, time management, and problem-solving. 3 credits. Offered as needed; day and evening.

HS 306 Healing and Wholeness (formerly HC 304)

Exploring healing and wholeness from many perspectives, this course is an overview of healing from the traditions of the shaman to contemporary faith healers; from ancient roots through modern medicine—Chinese medicine, Ayurvedic medicine and homeopathy as well as alternative medicines and holistic therapies and ways to self-healing through dream journals and meditation. 3 credits. Fall 2004 and as needed; evening.
HS 403 Women's Health Issues

Accurate information about their own health needs will enable women to become more active participants in their own health care. Issues include physicians' attitudes toward women, knowing one's own body, contraception, pregnancy, rape, family violence, hysterectomy and mastectomy, mental health issues, and patients' rights in the health system. 3 credits. Spring 2005 and as needed; day and evening.

HS 406 Epidemiology

An introductory study of the factors influencing the nature and causes of communicable diseases and chronic conditions in human populations. The study of principles, practices, theories and methods related to the control and prevention of disease prepares the student for practical application of statistics. Topics include the natural history of diseases in various population groups, environmental and biological factors influencing the emergence of disease and the investigation of a community health problem. 3 credits. Fall semester; evening.

HS 419 Death, Loss and Grief

Investigates the processes of death, loss and grief while focusing upon the manner in which patterns of dealing with death are interwoven with patterns of living. The family, religion, medicine, economy, law and community are considered. Specific issues addressed include the moral and legal aspects of euthanasia and the right to die; the hospital, hospice and home as alternative sites for dying; definitions of life and death; religious and cultural burial customs; and the bereavement process. The implications of these issues are explored for health care practitioners and other individuals in the helping professions. 3 credits. Spring 2004 and as needed; evening.

HS 503 Internship in Allied Health

Observation and supervised experience in a community setting giving practical application to previously studied concepts and theories related to health promotion or health administration. Minimum of 135 hours in the field placement plus required on-campus meetings as scheduled by the instructor. May be taken for two semesters with the permission of the chairman only. Prerequisites: at least 15 credits in Health Science or Health Care and senior standing. 3 credits per semester. Every semester.

HS 600, 601 Independent Study in Health Science

Independent investigation into a selected health science topic under the direction of a department faculty member. Usually culminates in a major paper. Requires a written proposal accepted by the chairman prior to registration. Prerequisites: Approval of the chairman and at least 15 credits in Health Care or Health Science with a B average. 3 credits per semester. Every semester; day and evening.

HS 701 Seminar in Health Promotion

Integrating theory and practical experiences in health promotion, this seminar allows in-depth exploration of issues of importance to the field. Completion of a thesis paper and oral presentation encompass the major work in this course. Prerequisite: HS 251. Taken in the last semester with the approval of the chairman. Same course as HC 701 so long as that course is offered. Fall 2003 and Spring 2004, evenings. After Spring 2004, offered as needed.
Biology

Office: Room 305A
Phone: (718) 489-5324

Chairman
Dr. Allen Burdowski

Assistant Professor
Goldberg

Professors
Burdowski
Corrigan

Adjuncts
Conklin
Graffe
Johnson

Associate Professors
Lipson
Nolan
Knauss

Department Mission

Biology is the study of living organisms at the molecular, microscopic and systemic levels. It also deals with the interrelation of life forms and their environment. The emphasis of the department is not only to teach students classical biology but also to introduce our students to molecular and cellular biology that are current and future areas of study in biology and medicine. This approach gives students a foundation for understanding biotechnology of the 21st century. Our students will be prepared for graduate study, professional training in the medical sciences and allied health fields, teaching or employment in industry concerned with the biological sciences. There is more to an undergraduate education than the traditional classroom experience. Biology majors are encouraged to consider the diverse opportunities available through field placements, internships or semesters at other academic institutions, both domestic and abroad.

Taking full advantage of these opportunities requires careful planning, and students are urged to discuss their plans and interests with their academic advisors as early as possible. It is also our goal to acquaint non-science students with the issues presented by both human biology and the physical environment.

The Biology department offers majors in biology, bio-medical science (dentistry and pediatrsc), medical technology and radiologic sciences.

The majors in radiologic sciences and medical technology are offered jointly with the St. Vincent's Catholic Medical Centers of New York; St. Francis College awards the B.S degree. All programs are supervised by the SFC Biology Department.

Goals and Objectives

To prepare biology majors for the competitive world of doctoral-level sciences.

To prepare future teachers and nurses with a solid background in modern biology.

To give physical education majors a firm foundation in anatomy and physiology.
Requirements for Department Major and Minors

Major in Biology—Required Courses and Credits

The biology curriculum consists of a four-year program that introduces the student to the major in the biological sciences as well as offering practical, hands-on experience in the laboratory. It is taught as pure science for the intellectual good of the student and the inherent importance of the matter. Our students are trained in reflective thinking and sound judgment. The scientific method builds a foundation for graduate school and professional study, e.g., medical, dental, veterinary health fields, industrial research and secondary school teaching. The program fosters and approaches significant contributions of biological scientists to humanity.

During the first year, the student takes chemistry and general biology courses that emphasize energetics, cellular biology, molecular biology and genetics. The second semester, a continuation of the first, emphasizes an evolutionary, ecological and organismal approach to biology. During the first year the student is encouraged to take IT 101 to gain the basic computer and analytical skills that are needed to analyze and present data.

In second year, the student studies organic chemistry, basic cell biology, genetics and other 200- or 300-level courses. Third-year students take physics, biochemistry, cell and molecular biology. During the last year students are encouraged to take electives in areas of interest. Students are also encouraged to undertake research early on in their education. All students are required to take a comprehensive exam in their senior year, the MFAT exam, administered twice a year. The student may substitute the GRE for the comprehensive exam.

The courses required for the major are BIO 103-104 (General Biology); BIO 250 (Introduction to Cell Biology, recommended in semester following the completion of BIO 104); BIO 303 (Genetics); BIO 503 (Biology Seminar, must be taken senior year) and CHE 304 (Biochemistry, must be taken junior year). Those students interested in going on to medical school are encouraged to take MAT 203 (Calculus II). Those students who are interested in bioinformatics must take IT 104 (Computer Programming). Students must choose at least one course listed under each of the three following areas of concentration for their advanced biology classes:

Population Biology Ecology and Evolution Concentration

- BIO 203 Invertebrate Zoology
- BIO 204 Ecology
- BIO 280 Biological Evolution
- BIO 302 Botany

Molecular and Cellular Biology Concentration

- BIO 206 Histology
- BIO 310 Advanced Cell Biology
- BIO 320 Molecular Biology
- BIO 405 Immunology
- BIO 480 Bioinformatics
Organismal Biology Concentration

BIO 201 Developmental Biology
BIO 202 Comparative Anatomy
BIO 301 Microbiology
BIO 350 Physiology
BIO 403 Endocrinology
BIO 409 Neurobiology
BIO 420 Virology
BIO 450 Pharmacology

All students are required to take the math placement exam. Those students who do not test into calculus should see the department for guidance.

Credits
Core curriculum, including Mathematics 202; and 203 or 301 .................. 43 or 44
SFC 101 ......................................................................................... 1
Biology 103-104; 250; 303 and 503 .............................................. 19
4 courses in biology with at least 1 course from each area of concentration ........... 14-16
Chemistry 111-112; 301-302 and 304............................................. 22
Physics 101-102 .............................................................................. 8
Liberal Arts electives .................................................................... 18
Health Science 100A or 100B or Physical Education 100 [A-L] .................. 2
The successful completion of BIO 503 satisfies the College's Comprehensive Exam/Thesis requirement. All majors are strongly encouraged to become conversant in a language other than English.
Total credits required ................................................................ 129-132

Major in Bio-Medical Science (Podiatric Medicine)—Required Courses and Credits

In cooperation with the New York College of Podiatric Medicine, the department has an accelerated bio-medical science program which enables highly qualified students to complete a science-studies curriculum in three years and then make application to the New York College of Podiatric Medicine. Upon completion of the first year of study at the New York College of Podiatric Medicine, the student is awarded a B.S. in Bio-Medical Science from St. Francis College. Then, after completing four years of study at the New York College of Podiatric Medicine, the student is awarded the degree of Doctor of Podiatric Medicine (D.P.M.) from the College of Podiatric Medicine. This curriculum can be completed in seven rather than eight years.

Credits
Core curriculum, including Mathematics 202 and 301 ............................. 43
Biology 103-104 and 250; 303; 320 .................................................. 22
Chemistry 111-112; 301-302 and 304............................................. 22
Physics 101-102 .............................................................................. 8
Cooperative Training: New York College of Podiatric Medicine ............. 33
Health Science 100A or 100B or Physical Education 100 [A-L] .............. 2
Total credits required ................................................................ 130
Major in Bio-Medical Science (Dentistry)—Required Courses and Credits

In a cooperative effort with the New York University College of Dentistry, the department has a bio-medical science program that enables qualified students to complete a science-studies curriculum in three years and then make application to the New York University College of Dentistry. Upon completion of the first year of study at NYU, the student is awarded a B.S. in Bio-Medical Science from St. Francis College. After completion of the fourth year of study at NYU, the student is awarded the degree of Doctor of Dental Surgery (D.D.S.) from the NYU College of Dentistry. This curriculum can be completed in seven rather than eight years.

To be admitted to the dental college without the necessity of applying through the American Association of Dental School Application Services (AADSAS), students in this program must be recommended by St. Francis College, complete all prerequisite courses, have a GPA of 3.2 or better and take the DAT.

**Credits**

Core curriculum, including Mathematics 202 and 301 .........................................................43
Biology 103-104 and 250; 303; 320 ...............................................................................22
Chemistry 111-112; 301-302; 304 ..............................................................................22
Cooperative Training; New York University College of Dentistry ......................................33
Health Science 100A or 100B or Physical Education 100 [A-L] ...........................................2
Total credits required ........................................................................................................130

Major in Medical Technology—Required Courses and Credits

The program in medical technology prepares the student for acceptance into New York Methodist Hospital or the St. Vincent’s Catholic Medical Centers of New York. Upon completion of clinical training, the student receives a B.S. in Medical Technology from St. Francis College and a certificate of program completion from the New York Methodist Hospital or the St. Vincent’s Catholic Medical Centers of New York.

**Credits**

Core curriculum, including Mathematics 202 and 301 .........................................................43
Biology 103-104; 301 and Biology 405 ................................................................................19
Chemistry 111-112; 301-302; and 304 ..............................................................................22
Physics 101-102 .................................................................................................................8
Free Electives .......................................................................................................................2
Cooperative Hospital Training ............................................................................................32
Health Science 100A or 100B or Physical Education 100 [A-L] ...........................................2
Total credits required ........................................................................................................128

Major in Radiologic Sciences—Required Courses and Credits

The program in radiologic sciences is offered jointly with the St. Vincent’s Catholic Medical Centers of New York. The B.S. degree, awarded by St. Francis College, requires a total of 128 credits, 65 of which are earned at St. Francis.
Core curriculum, including Biology 140-141 ......................................................... 44
SFC 101 ..................................................................................................................... 1
Mathematics Elective ............................................................................................... 3
Psychology 100 ........................................................................................................ 3
Information Technology 101 ................................................................................... 3
Liberal Arts and Sciences ....................................................................................... 9
Radiologic science credits at CMC ........................................................................ 63
Health Science 100A or 100B or Physical Education 100 [A-L] ......................... 2
Total credits required .............................................................................................. 128

Minor in Biology—Required Courses and Credits

The minor in biology is not intended as a preparation for graduate study, but it will reinforce
the student’s biological science background.

Biology 103-104 ....................................................................................................... 10
Chemistry 111-112 ................................................................................................ 8
Biology 250 ............................................................................................................... 4
Two Biology electives ............................................................................................ 6-8
Total credits required .............................................................................................. 28-30

A Note on Requirements for Medical School Admission

All medical schools share certain basic requirements for admission. These fall into six major
categories: courses, grades, MCAT scores, health care/public service experience, communi-
tation skills and recommendations. The application process normally begins at the end of the
junior year, so students should focus on these requirements immediately.

In order to be considered for acceptance into medical school, students must have completed
the following:

  Two semesters of general biology with lab (BIO 103-104)
  Two semesters of general physics with lab (PHY 101-102)
  Two semesters of general chemistry with lab (CHE 111-112)
  Two semesters of organic chemistry with lab (CHE 301-302)
  Other requirements specific to particular schools

You must perform well in these required courses. The first- and second-year medical curricula
are heavily biased towards the natural sciences. The MCAT tests knowledge of the basic
sciences. If you do not have the background for this critical and rigorous standardized exam,
you will not score well.

Therefore you must master the basic science courses. Work steadily and study for the long term
so that you will be able to recall concepts and details. Plan to complete course requirements
for your application as early as possible so that you can review material and take additional
courses (biochemistry, cell biology, physiology, etc.) to enhance your knowledge and chances
of scoring well on the MCAT.
Biology [BIO] Courses

BIO 100 Ecology and the Environment

An introduction to the basic concepts of ecology and population dynamics, their relationships to resources and pollution. This course is designed for non-science majors. Three lecture hours per week. 3 credits. Every semester; day.

BIO 102 Introduction to Human Biology

Introduces the student to the organization and function of the human body, from cells to systems. Included are selected topics in the contemporary study of the human organism. This course is designed for non-science majors and fulfills one of the science prerequisites in the Childhood Education curriculum. Three lecture hours per week. 3 credits. Every semester; day and evening.

BIO 103 General Biology II

Introduction to biology for majors—covers basic principles in cellular and molecular biology, genetics, development, ecology and evolution. The organization of plants and animals from cells to integrated systems is discussed and a comparison made between plant and animal phyla. Considerable class time is devoted to a study of the chemistry of living organisms, including the origin of life, the organic constituents of organisms, the chemistry of heredity, cellular respiration and photosynthesis. Co-requisite: CHE 111. Three lecture, plus an additional four hours of recitation and lab. 5 credits. Fall Semester; day.

BIO 103A General Biology II

Offered exclusively at St. Francis Prep for Bridge Program students. Examines basic principles in cellular and molecular biology, genetics, development, ecology and evolution. The organization of plants and animals from cells to integrated systems is discussed and a comparison made between plant and animal phyla. Experiments and dissections are designed to accomplish these objectives. Two lecture, one recitation and three lab hours per week. 4 credits. Fall Semester; day.

BIO 104 General Biology II

Continuation of Biology 103 with an emphasis on the organization of animals and integration of biological systems. Prerequisite: BIO 103. Co-requisite: CHE 112. Three lecture, one recitation and three lab hours per week. 5 credits. Spring Semester; day.

BIO 104A General Biology II

Offered at St. Francis Prep for Bridge Program students. A continuation of BIO 103A. Two lecture, one recitation and three lab hours per week. 4 credits. Spring Semester; day.

BIO 107 Anatomy and Physiology

Fundamental life processes as exemplified in the functioning of the human organism. Integration of structure and function in the light of homeostasis is emphasized. A systems approach is utilized with the focus on normal physiology and an introduction to pathology. Systems addressed in the first semester include cells, tissues, integument, skeletal, muscle and nervous systems. Laboratory experiments and dissections are designed to achieve this objective. This course is designed to fulfill program requirements for non-majors and the physical education major. Two lectures, one recitation and three lab hours per week. 4 credits. Fall Semester; day.

BIO 108 Anatomy and Physiology II

A continuation of BIO 107 with an emphasis on cardiovascular, respiratory, digestive, urinary, endocrine and reproductive systems. Two lectures, one recitation, 3 lab hours per week. Prerequisite: BIO 107. 4 credits. Spring Semester; day.
BIO 120 Contemporary Topics in Biology
Introduction to biology issues in modern society. Studies of genetic issues, pollution and energy problems, ecology, effective drugs on the individual and contemporary issues facing today's individual. 3 lecture hours per week. 3 credits. Every semester

BIO 140 Anatomy and Physiology for Health Science I
This course is for nursing, occupational therapy, physical therapy and physician assistant majors. Lecture topics include animal cell structure and function, tissues and a survey of human physiological systems. Course places an emphasis cells, tissues, genetics, integument, the musco-skeletal and nervous systems. Labs are correlated with lectures. Two lectures, one recitation and three lab hours per week. 4 credits. Fall Semester; day.

BIO 141 Anatomy and Physiology for Health Science II
Continuation of Bio 140. Intended for nursing, occupational therapy, physical therapy and physician assistant majors. Lecture topics include: cardiovascular physiology, respiratory system, lymphatic system, respiratory physiology and the digestive, urinary, endocrine and reproductive systems. Prerequisite: BIO 140. Two lectures, one recitation and three lab hours per week. 4 credits. Spring Semester; day.

BIO 201 Developmental Biology
A descriptive study of the development of amphioxus, frog, chick and mammal in lecture and laboratory; developmental genetics; the problems of development and an introduction to experimental biology. Prerequisite: BIO 104. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

BIO 202 Comparative Anatomy
A comparative lecture and laboratory study of the macroscopic anatomy of typical representatives of the classes of vertebrates. Prerequisite: BIO 104. Two lectures, one recitation, and three lab hours per week. 4 credits. Fall Semester; day.

BIO 203 Invertebrate Zoology
Major invertebrate phyla with emphasis on taxonomy, structure, physiology and ecology; field trips to selected local areas for the collection and study of representative invertebrate forms. Laboratory dissection of representative types. Prerequisite: BIO 104. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

BIO 204 Ecology
An introduction to ecological principles and their application to the environment; environmental problems; numerous field trips to representative systems. Prerequisite: BIO 104. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

BIO 206 Histology
A study of the light and electron microscopic anatomy of the vertebrate animal. General study of cell morphology and basic tissues is followed by a systematic examination of the body's organs. Prerequisites: BIO 104 and CHE 112. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

BIO 210 Developmental Biology
A study of the process of development at the cellular molecular level as a description of the stages through which an organism attains increasing complexity. In addition to lecture, students become actively involved through discussion of primary literature and laboratory. The laboratory features vertebrate and
invertebrate examples of developmental processes. Prerequisite: BIO 104. Two lectures, one recitation and three lab hours per week. 4 credits. Spring Semester; day.

**BIO 250 Introduction to Cell Biology**

Nature of biological molecules; the structure of cells and organelles; principles of bioenergetics and their application to metabolism; the cellular information transfer system. Laboratory work in cell biology, molecular biology and biochemistry. Prerequisites: BIO 104 and CHE 112. Co-requisite CHE 301. Two lectures, one recitation and three lab hours per week. 4 credits. Fall Semester; day.

**BIO 280 Biological Evolution**

Introduction to the principles of organic and molecular evolution. Topics will include generic variation, natural selection, speciation, adaptation, diversification, biogeography and molecular evolution. Prerequisite: BIO 104. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

**BIO 300 Microbiology for Health-Related Sciences**

An introduction to the field of microbiology with an emphasis on areas related to the medical sciences including pathogenesis, immune responses, chemotherapy, pathogenic organisms, epidemiology, sterilization, disinfection and the responsibilities of health-care professionals in preventing infection. Does not count toward a major in biology. Three hours lecture and three hours laboratory per week. Prerequisite: BIO 141. 4 credits. Offered as needed.

**BIO 301 Microbiology**

A survey of the principal groups of microorganisms (bacteria, fungi, algae, protozoa, viruses and rickettsiae) with emphasis on taxonomy, morphology, physiology and their industrial and medical applications. Includes an intensive study of bacterial, rickettsial, chlamydial, algae, fungal, viral and protozoan organisms of significance in the propagation of diseases. Prerequisites: BIO 104 and CHE 112. Three lectures and three lab hours per week. 4 credits. Spring Semester.

**BIO 302 Botany**

A survey of the principal groups of plants from the standpoint of their structure and development with intensive studies on the morphology and physiology of the angiospermae. Prerequisite: BIO 104. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

**BIO 303 Genetics**

An introduction to variation and heredity; the theory of the gene as developed in classical genetics; biochemical and molecular genetics. Prerequisites: BIO 104 and CHE 112. Two lectures, one recitation and three lab hours per week. 4 credits. Spring Semester; day.

**BIO 310 Cell Biology**

Biochemical and morphological evidence underlying current models of cell structure and function. Topics covered include roles of membranes in cell compartmentation, organelle structure and biogenesis, vesicle transport, secretion, cytoskeleton, motility, signaling, mitosis and cell cycle regulation. Distinctive characteristics of differentiated mammalian cells are discussed. Laboratory experiences are designed to introduce classical and contemporary methods of cell study. Prerequisites: BIO 104; BIO 250; CHE 112 and CHE 302. Two lectures, one recitation and three lab hours per week. 4 credits. Fall Semester; day.

**BIO 320 Molecular Biology**

A survey of nucleic acid structure, function and regulation in both prokaryotic and eukaryotic organisms. Material emphasizes
modern techniques and their uses in answering questions at the molecular level. Laboratory exercises allow students to gain experience with the basic techniques used in molecular biological research. Prerequisites: BIO 104; CHE 112; CHE 302. Two lectures, one recitation, and three lab hours per week. 4 credits. Spring Semester; day.

BIO 350 Physiology

A study of the functions of vertebrate organs and organ systems and the homeostatic mechanisms that underlie them. Included are discussions of the cellular and physiochemical bases of homeostasis. Prerequisites: BIO 104; CHE 112; CHE 302. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

BIO 403 Endocrinology

A survey of the cells and organs of internal secretion and their products. The endocrine secretions and their interactions will be considered, as will mechanisms of target signaling. Prerequisites: BIO 104; BIO 350; CHE 112 and CHE 302. Three lectures per week. 3 credits. Offered as needed; day.

BIO 405 Immunology

This course is a study of the cell biology, biochemistry, molecular biology and histology of the human and mouse immune systems. Prerequisites: BIO 104; BIO 310; CHE 112; CHE 302. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

BIO 409 Neurobiology

A study of nervous system organization, function and development. Topics include major concepts in neurobiology, including impulse conduction, synaptic transmission, sensory processing, motor function and memory. Prerequisites: BIO 104; BIO 310; CHE 112 and CHE 302. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

BIO 410 Special Topics in Biology

Discussion and analysis of problems in biology that are not covered in regular course work. The specific content of the course will remain flexible in response to student and departmental interest. Prerequisites: BIO 104; BIO 250; CHE 112 and CHE 302. 3 credits. Offered as needed; day.

BIO 420 Virology

Provides an introduction to bacterial, animal and plant virology. Topics covered are general methodology or virus research, virus structure, biochemistry of viral replication, and general features of virus-host cell interaction. Laboratory work will include basic experimental techniques applied to selected bacteriophages and animal viruses. Prerequisites: BIO 104; BIO 301; CHE 112; CHE 302. Two lectures and three lab hours per week. 4 credits. Offered as needed; day.

BIO 450 Pharmacology

A study of drugs and drug actions. Includes a study of pharmacokinetics and pharmacodynamics. This course will also review the mechanism of action of various classes of drugs. Prerequisites: BIO 104; BIO 350; CHE 112 and CHE 302. Three lectures per week. 3 credits. Offered as needed; day.

BIO 480 Bioinformatics

An introduction to the theory, strategies and practice of data management and analysis in molecular biology. Topics include DNA and protein sequence analysis, biological databases, genomic mapping, analysis of gene expression. Prerequisites: BIO 104; BIO 250; CHE 112; CHE 302 and IT 104. Two lectures, one recitation and three lab hours per week. 4 credits. Offered as needed; day.
Independent study under the direction of a faculty member. Prerequisites: Senior standing and departmental approval. Majors only. 1-3 credits. Every semester; day.

Discussion of topics reflecting research and current problems in the biological sciences in a seminar format. Specific areas of discussion vary from semester to semester. Topics are announced in advance. A written paper and oral presentation are required. Prerequisite: Majors with senior standing. 1 credit. Fall Semester; day.

Radiologic Science [RS] Courses

RS 101 Introduction to Radiologic Sciences and Radiation Protection
An introduction to the field of Radiologic Sciences, including the significance of Radiation Protection. 1 credit.

RS 102 Ethics and Law in the Radiologic Sciences
An introduction to the standards maintained by the radiographer that promote professional conduct. Studies involve the value of patients’ rights and the role of the radiographer with reference to them. This also includes introductory law in the radiologic sciences. The elements of malpractice and causes of actions are discussed. Employment issues, contracts, litigation process and the radiographer’s responsibility in the delivery of health care are also discussed. 1 credit.

RS 104 Medical Terminology
Recognition of the elements of medical terminology: prefixes, suffixes and root words in singular and plural forms; spelling of words classified as homonyms; terms applied to special examinations; interpretation of abbreviations and symbols; correct pronunciation of medical terms; terms associated with radiographic positions, landmarks and all systems of the body. 3 credits.

RS 105 Advanced Radiation Protection
Explains at a more advanced level the need for radiation protection, biological effects of ionizing radiation, patient protection, personnel radiation monitoring, radiation measuring instrumentation, applicable laws and protection in related fields (nuclear medicine and therapy). 2 credits.

These courses provide students with the skills to perform radiographic examinations. Body positions, positioning terms, positioning aids, contrast media and their application to positioning are discussed. Methods of producing quality radiographs are discussed. Laboratory and clinical application of theoretical and practical concepts are performed where applicable. Areas studied include the skeletal system and major systems. Methods employed for pediatric and geriatric examinations are
studied and discussed. RS 106: 3 credits. Fall Semester; RS 107: 3 credits. Spring Semester; RS 108: 3 credits. Fall Semester.

**RS 109 Radiographic Procedures IV (Special Imaging)**

This course acquaints the student with the specialized and highly technical procedures in radiography, the equipment and the contrast media used and the preparation and general indications for each examination. 2 credits.

**RS 110, 111, 112, 113 Evaluation of Radiographs I, II, III, IV**

These units provide the student with the knowledge necessary to evaluate radiographic examination and identify and recognize their diagnostic qualities. Film evaluation combines knowledge and skills from multiple didactic units, laboratory assignments and clinical evaluation. Areas that influence evaluation of radiographs are discussed. RS 110: 1 credit. Fall Semester; RS 111: 2 credits. Spring Semester; RS 112: 2 credits. Fall Semester; RS 113: 2 credits. Spring Semester.

**RS 114, 115, 116 Radiation Physics**

This course provides the student with the knowledge of basic physics, mechanics, structure of matter, basic electricity, magnetism, electromagnetism, electrical physics, radiation physics and basic x-ray circuitry. Information regarding x-ray production, x-ray interaction with matter, aspects of emission spectrum and units of measurement is provided. Also included is a review of fundamental principles of mathematics essential for mastering various phases of radiologic physics and medical imaging. 9 credits.

**RS 117, 118, 119 Medical Imaging (PRE) I, II, III**

These courses acquaint the student with the various film identification systems available in radiography and stress the medico-legal value of proper identification on the radiographs. They also provide a comprehensive analysis of the factors that govern and influence the production of the radiograph and the direct effect of these factors on radiographic quality and patient dose. The student practices manipulating the prime exposure factors by completing problems and radiographic experiments. Stress on the purpose and importance of technique formation and the various types of technique stems. RS 117: 1 credit. Fall Semester; RS 118: 1 credit. Spring Semester; RS 119: 1 credit. Fall Semester.

**RS 120 Radiographic Processing Technique**

A course designed so that the student can understand all components involved in film processing. 1 credit.

**RS 121 Imaging Equipment**

This course enables the student to distinguish differences between modes of imaging systems and to analyze the different types of image intensification systems. It explains the advantages of image intensification and discusses new types of imaging modalities. 2 credits.

**RS 122 Radiation Biology**

This course provides an overview of the principles of the interaction of radiation with living systems. Correlates concepts studied in physics, biology and physiology and offers an understanding of the effects of radiation on living organisms. Acute and chronic effects of radiation are discussed. 2 credits.

**RS 123 Pathophysiology**

This area of study provides the student with information on structure, function and the development of disease in the body. Emphasis is placed on physiology, the progress of diseases and clinical application, illustrated with radiographs. 3 credits.
RS 124 Introduction to Quality Improvement

This course stresses the importance of quality control in today's radiology department and analyzes methods of enhancing image quality within a range of variables. It also discusses effective testing and correction of image quality. The components involved in the quality improvement system are identified. State, federal and professional impacts are described. 1 credit.

RS 125, 126, 127 Clinical Education I, II, III

A well-designed and developed competency-based clinical education in which the student has an active role in developing the skills required to administer quality patient care services. This component demonstrates integration and correlation with the didactic component and also includes cognitive, psychomotor and effective capabilities of the student. The system provides objective evaluation of each competency, using a consistent method to measure student success. RS 125: 2 credits. Fall Semester; RS 126: 3 credits. Spring Semester; RS 127: 4 credits. Fall Semester.

RS 128 Clinical Education IV

This area of clinical education establishes anatomic and clinical orientation, with sectional anatomy information necessary to meet the needs of special imaging examinations. These special imaging areas include mammography and CT/MRI. 2 credits.

RS 129 Pharmacology and Drug Administration

This unit provides the student with the basic concepts of pharmacology. The theory and practice of basic techniques of venipuncture and the administration of diagnostic contrast agents and/or intravenous medications are included. The appropriate delivery of patient care during these procedures is emphasized. 2 credits.
Chemistry and Physics

Office: Room 6055
Phone: (718) 489-5295

Chairman
Dr. Evelyn A. Wolfe

Associate Professor
Wolfe

Assistant Professor
Davidson

Professors Emeriti
Burke
Quigley
Schneider

Adjuncts
Berge
Gravcs
Greening
Krcis
Liddicoat
Pesiri
Regan
Terebessy

Department Mission

Within the context of liberal education, the department provides courses to expose students to the information, knowledge and methods that the physical sciences have to offer. In general, the purpose of the major is to prepare students for graduate and professional schools as well as for careers in the chemical or pharmaceutical industries. The department encourages chemistry majors to develop specific career goals while pursuing their studies.

Department advisors assist students in exploring career possibilities and in devising a personalized plan of study that will best prepare them for their career goals.

Goals and Objectives

To provide the necessary background in chemistry and physics for students in programs such as pre-medicine, pre-dentistry, physician’s assistant, biomedical science, medical technology, nursing, occupational therapy, diagnostic radiological science and biology.

To engage in scientific inquiry including critical and logical thinking.

To instruct students in correct laboratory procedures and assist them in developing an understanding of modern science and technology using state-of-the-art instrumentation.

To provide non-science majors with the opportunity to acquire knowledge of materials and technology as explained through the physical sciences.

Requirements for Department Major and Minors

Major in Chemistry—Required Courses and Credits

The Chemistry and Physics Department offers a major in chemistry with the option of a concentration in medicinal chemistry, as well as a major in physician assistant. The traditional
major in chemistry, as well as the major with a concentration in medicinal chemistry, provides
students with excellent preparation for medical school and other professional schools, graduate
studies, teaching, research, laboratory work and a variety of other science-related opportu-
nities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Core Curriculum, including Mathematics 202 and 203</td>
<td>44</td>
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<td>SFC 101</td>
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<tr>
<td>Chemistry 111, 112</td>
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<td>Chemistry 301, 302</td>
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<td>Chemistry 304</td>
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<tr>
<td>Physics 101-102</td>
<td>8</td>
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<tr>
<td>Biology 103-104</td>
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<td>Chemistry 407</td>
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<tr>
<td>Free Electives*</td>
<td>15</td>
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<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
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<tr>
<td><strong>Total credits required</strong></td>
<td>128</td>
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</tbody>
</table>

* All majors are advised to gain computer and/or second language proficiency.

**Major in Chemistry—Concentration in Medicinal Chemistry—Required Courses and Credits**

In addition to the traditional chemistry major, the department recognizes the fast-developing
field of medicinal chemistry and its occupational opportunities. The chemistry major with a
concentration in medicinal chemistry is designed to provide an understanding of the chemical
basis for the rational design, synthesis and mechanism of action of drugs and selective
metabolic inhibition. In addition, it also provides the basic laboratory skills necessary for
research in medicinal chemistry and a chemically-oriented foundation for post-baccalaureate
research and study in medicinal chemistry and the health sciences.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Core Curriculum, including Mathematics 202 and 203</td>
<td>44</td>
</tr>
<tr>
<td>SFC 101</td>
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<tr>
<td>Chemistry 111-112</td>
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<tr>
<td>Chemistry 201</td>
<td>4</td>
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<td>Chemistry 301-302</td>
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<tr>
<td>Chemistry 401-402</td>
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<td>Biology 103-104</td>
<td>10</td>
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<tr>
<td>Free Electives*</td>
<td>15</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td>128</td>
</tr>
</tbody>
</table>

* All majors are advised to take Biology 310 and to gain computer and/or second language proficiency.
Major in Physician Assistant—Required Courses and Credits

Note: Transfer students and students admitted to the College with advanced academic standing should note that a minimum of 30 college credits, including at least one of the required science sequences (CHE 111-112 or BIO 103-104) must be taken at St. Francis College in order for students to participate in either the Major in Physician Assistant or the Pre-Professional Physician Assistant Program. Other advanced transfer students are advised to apply independently to the PA programs at St. Vincent’s or Downstate Medical Centers.

The program in physician assistant is offered jointly with the St. Vincent’s Catholic Medical Centers of New York—Brooklyn and Queens Region. The BS degree, awarded by St. Francis College, requires a total of 142 credits, of which 82 are in the liberal arts and sciences provided by St. Francis College and 60 are in physician assistant credits provided by the Catholic Medical Centers. Physician assistant program graduates are required to successfully complete the National Commission on Certification of Physician Assistant (NCCPA) Examination and to become registered to practice medicine as physician assistants in New York State.

Admission Requirements for Freshman Applicants

The St. Francis College—SVCMC Physician Assistant Program is highly competitive. Admission to the professional phase at SVCMC is currently limited. The College recommends that freshman applicants for the P.A. program have:

- A minimum high school average of 85
- A minimum combined SAT score of 1000
- Three years of high school laboratory science (including biology, chemistry and either physics or earth science)

The P.A. Program consists of the following three phases:

- The candidacy phase (Year 1)
- The pre-professional phase (Year 2)
- The professional phase (Years 3 and 4)

Courses in the P.A. program must be taken in the required sequence. Candidates must complete the program in four years (including summer sessions).

The candidacy phase (Year 1): During the candidacy phase, in addition to the required coursework, the student is expected to complete 30 hours of volunteer or job-related health care experience.

The pre-professional phase (Year 2): A student becomes a P.A. major officially when admitted into the pre-professional phase. Near the end of the candidacy year, the student must apply for admission and be accepted into the pre-professional phase of the P.A. program to be designated a major.

Criteria for admission to the pre-professional phase:

- Completion of all first-year required coursework.
Cumulative GPA of 3.0 or higher, as well as a GPA of 3.0 in required biology and chemistry coursework.

The submission of two recommendations, one of which must be from a health professional.

The submission of a written statement describing why the candidate wishes to become a physician assistant.

Successful completion of a personal interview by the College's Physician Assistant Admissions Committee. The committee's decision is based on an assessment of qualities such as integrity, emotional and intellectual maturity and ability to communicate an understanding of the profession.

The professional phase (St. Vincent's Catholic Medical Centers; Years 3 and 4): Admission into the professional phase is competitive. The St. Vincent's Catholic Medical Centers Admissions Committee may accept or reject applicants. The Committee bases its decision on the student's academic record, personal statement, results of a personal interview and letters of recommendation.

Admissions requirements for transfer students and for students wishing to change majors

Cumulative GPA of 3.0 or higher, as well as a science GPA of 3.0 that includes CHE 111-112 and BIO 140-141.
Successful meeting of all of the pre-professional criteria.

**Course of Study**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Curriculum, including Mathematics 107 and 301 and Psychology 100</td>
<td>43</td>
</tr>
<tr>
<td>Chemistry 111-112; 312</td>
<td>12</td>
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<tr>
<td>Biology 103-104; 140-141 and 301</td>
<td>22</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
<tr>
<td>SFC 101</td>
<td>1</td>
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<tr>
<td>Physician Assistant Credits at St. Vincent Catholic Medical Centers</td>
<td>60</td>
</tr>
<tr>
<td><strong>Total credits required at St. Francis College:</strong></td>
<td>82</td>
</tr>
<tr>
<td><strong>Total credits required for degree:</strong></td>
<td>140</td>
</tr>
</tbody>
</table>

**Pre-Professional Physician Assistant Program—Required Courses and Credits**

Through an affiliation agreement with the State University of New York Downstate Medical Center, the Chemistry and Physics Department offers pre-professional education in the field of physician assistant. After completing two years of academic study at St. Francis College, the student commences clinical training at Downstate Medical Center. The baccalaureate degree is awarded by SUNY Downstate Medical Center.

Admission Requirements for freshmen applicants, transfer students and for students wishing to change majors are the same as those listed above for the St. Francis College—SVCMM Physician Assistant Program. The SUNY Program is also highly competitive and limited.
Minimal admission requirements for St. Francis College students transferring under the Articulation Agreement to the State University of New York Downstate Medical Center are a 3.0 grade point average and satisfactory completion of 60 semester credits that include the course sequence below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 103-104, 301</td>
<td>14</td>
</tr>
<tr>
<td>Chemistry 111-112</td>
<td>8</td>
</tr>
<tr>
<td>English 103 and any 200-level literature course</td>
<td>6</td>
</tr>
<tr>
<td>Psychology 100</td>
<td>3</td>
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<tr>
<td>Psychology 208 or 203</td>
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</tr>
<tr>
<td>Psychology 204</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 107</td>
<td>4</td>
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<tr>
<td>SFC 101</td>
<td>1</td>
</tr>
<tr>
<td>Humanities/Social Sciences</td>
<td>12</td>
</tr>
<tr>
<td>Free electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total credits required at St. Francis College</strong></td>
<td><strong>60</strong></td>
</tr>
</tbody>
</table>

**Minor in Chemistry—Required Courses and Credits**

The minor in chemistry provides a systematic approach to the attainment of a strong background in the area.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 111-112</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry 301-302</td>
<td>10</td>
</tr>
<tr>
<td>Chemistry 350</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>22</strong></td>
</tr>
</tbody>
</table>

**Chemistry [CHE] Courses**

**CHE 103 Chemistry in Society**

Designed for non-science majors. Chemical principles are developed and applied to a series of major societal-technological issues such as global warming, water quality, acid rain, food additives, alternate energy sources, etc. Three lecture hours per week. 3 credits. Every year; day and evening.

**CHE 104 Introduction to College Chemistry**

An introductory course for students with little or no background in chemistry, but who wish to continue in science. A study of some of the basic concepts, with an emphasis on chemical stoichiometry and the relationship between the periodic table and the chemical and physical properties of elements and their compounds. CHE 104 may not be used to satisfy major or minor requirements in chemistry or biology. Two lecture hours and one recitation hour per week. 3 credits. Offered as needed; day.

**CHE 105-106 Chemistry and Life** *(formerly CHE 003-004, not available for students who have taken CHE 003-004)*

Intended for non-science majors. Introduction to basic principles of chemistry; emphasis on application of these principles to living systems and their impact on present-day living. Two lecture, one recitation and three lab hours per week. Prerequisite: MAT 050 or placement by examination. 8 credits. Every year; day.
CHE 111-112 General Chemistry
(formerly CHE 101-102, not available for students who have already taken CHE 101-102)

Intended for science majors. Emphasis on quantitative aspects of chemistry at a more specialized level than in chemistry 105-106. Co-requisite: MAT 107 or placement by examination. Three lecture, one recitation and three lab hours per week. 8 credits. Every year; day.

CHE 201 Analytical Chemistry

Quantitative study of gravimetric and volumetric analysis; solubility product, acid-base, oxidation-reduction and complex-formation phenomena considered with emphasis upon precision, resourcefulness and chemical calculations. Prerequisite: CHE 112. Two lecture, one recitation and three lab hours per week. 4 credits. Offered as needed; day.

CHE 301-302 Organic Chemistry

Aromatic and aliphatic compounds, reaction mechanisms based on electronic theory, preparation of representative compounds and quantitative analysis. Prerequisite: CHE 112. Three lecture, one recitation and four lab hours per week. 10 credits. Every year; day.

CHE 303 Inorganic Chemistry

The study of bonding, structure and reactions of inorganic compounds based on modern physical chemical concepts, coordination compounds and organometallic compounds. Prerequisite: Departmental approval. Three lecture hours per week. 3 credits. Offered as needed.

CHE 304 Biochemistry

Physiochemical approach, amino acids, proteins, carbohydrates, lipids, enzymes, intermediate metabolisms, modern techniques for isolation, identification and determination of biochemical significance. Prerequisite: CHE 302. Three lecture and four lab hours per week. 4 credits. Spring Semester; day.

CHE 312 Biochemical Science

For physician assistant majors only. This course surveys the basic principles of organic chemistry and biochemistry. The organic chemistry section emphasizes the behavior of organic polymers, setting a foundation for the understanding of proteins and nucleic acids. The biochemical principles covered in this course are selected to provide a background for the study of some of the more common and/or significant diseases. Prerequisite: CHE 112. Three lecture, one recitation and two lab hours per week. 4 credits. Full Semester; day.

CHE 350 Bio-Analytical Chemistry

For biology majors only. Theoretical and practical knowledge of modern analytical chemistry including statistics, volumetric and gravimetric analysis, chemical and electrochemical equilibrium, acid-base and chemistry. Introduction to instrumental methods of analysis including spectrophotometry, FTIR and Chromatography (HPLC, GC-MS, GC). Prerequisites: CHE 302 and PHY 102. Two lecture and five lab hours per week. 4 credits. Fall Semester; day.

CHE 401-402 Physical Chemistry

Atomic, molecular and crystal structure; thermodynamics; solution properties; chemical kinetics; electrochemistry. Prerequisites: MAT 202 and 203, CHE 302, and PHY 102. CHE 401 is a prerequisite for CHE 402. Three lecture and four lab hours per week. 8 credits. Offered as needed; day.

CHE 404 Instrumental Methods of Analysis

Theory and laboratory work in spectroscopy, absorption and emission; electroanalytical chemistry and chromatography as they apply to analytical chemistry. Prerequisites: CHE
CHE 405 Advanced Organic Chemistry

Physical organic chemistry, emphasis on structure and reaction mechanisms; free radical chemistry. Prerequisite: CHE 302. Three lecture hours per week. 3 credits. Offered as needed; day.

CHE 406 Mechanisms of Drug Action

The study of drug structures and structure-activity relationships, mechanisms of action and other factors that influence drug action as illustrated by examples from specific drug classes of pharmaceutical and chemotherapeutic agents. Prerequisites: CHE 302 and CHE 304. Three lecture hours per week. 3 credits. Offered as needed.

CHE 407 Molecular Structure and Reaction Mechanisms in Medicinal Chemistry

A study of the principles of structural, physical and physical-organic chemistry; mechanistic considerations involved in synthetic organic chemistry, bio-organic chemistry and design for antibiotics and cancer chemotherapeutic agents. Prerequisites: CHE 302 and CHE 401. Four lecture hours per week. 4 credits. Offered as needed.

CHE 501; 502 Chemical Research

Independent laboratory research under faculty guidance. Prerequisite: Department approval. 3 credits. Every year.

Physics [PHY] Courses

PHY 101-102 General Physics

An elementary consideration of the fundamental laws and concepts of mechanics, heat, sound, light, electricity and magnetism; experimental study of various topics made in the laboratory. Prerequisite: MAT 202. Two lecture, two recitation and two lab hours per week. 8 credits. Every year; day.

Science [SCI] Courses

SCI 301-302 General Earth Science

A study of the solar system, basic concepts of climate, study of the structure and composition of the Earth. Two lectures and two hours of laboratory and demonstration each week. 3 credits per semester. Every year; day.

SCI/REL 350 Religion and Science: History, Method, Dialogue

An interdisciplinary, team-taught honors seminar that explores the dialogue that is occurring between scientists and theologians.

SCI 501 Oceanography

A study of the sea from biological, chemical, geological and physical viewpoints; ocean sediments and their origins; composition of
sea water; currents, tides, beaches, waves and economic potential of oceans; exploration as an energy source. 3 credits. Fall or Spring Semester as needed; evening.

SCI 502 Astronomy

A non-mathematical introduction to astronomy. Includes the history of astronomy; apparent motion of the Sun, planets, moon, and stars; gravitational and planetary orbits; composition of the Earth and its atmosphere; exploration of the Solar System; properties of stars; star formation and stellar evolution; cosmological origin and evaluation of the universe; and likelihood of extraterrestrial life. 3 credits. Fall or Spring Semester as needed; evening.

SCI 601 Environmental Science

The ecology of natural systems; resources and energy; formation and consumption of fossil fuels, nuclear energy and the environment; pollution; the problems associated with air and water pollution; solid waste; noise; legal and economic verifications of governmental policy towards pollution. 3 credits. Fall or Spring Semester as needed.

Courses Offered at St. Vincent’s Catholic Medical Centers of New York

These courses satisfy the clinical training requirements for the B.S. in Physician Assistant (PAC).

Year 1 Required Courses

PAC 01 Clinical Anatomy and Physiology

A review of human anatomy and physiology and its application to disease processes. The major organ systems are studied with emphasis on the potential for physiologic alterations. Summer Session; day.

PAC 02 Professional Development and Ethics

This course covers the role of the physician assistant as a member of the health-care team. Topics pertinent to role development, leadership, ethics, scope of practice and legal bounds and responsibilities are discussed. Ethical implications in the health care setting and for the PA as a medical provider are emphasized. Summer Session; day.

PAC 03 Medicine I

The student learns the fundamentals of care for problems seen in infectious diseases (limited topics), dermatology, hematology, ophthalmology, otolaryngology (ENT), pulmonary, cardiology (limited topics), gastroenterology, urology/nephrology and endocrinology. Fall.

PAC 04 Pharmacology I

This course covers the general and specific concepts of medical pharmacology and pharmacodynamics. Students become familiar with the mechanisms of action, interactions, adverse reactions, and therapeutic indications for pharmacologic agents. Students also become familiar with prescription writing and the laws governing this privilege in New York State. Fall.

PAC 05 Behavioral Science I

Psychosocial aspects of disease. The clinician/patient relationship is an important part of the clinical encounter. The encounter is influenced by the social realities experienced by both the clinician and the patient. The purposes of this course are: (1) to help students become aware of the values, beliefs and experiences that they bring to patient care; (2) to foster awareness of the role that culture and environment play in the health of individuals and how they affect the patient encounter and patient health; and (3) to help students develop interpersonal skills. Fall.
PAC 06 Health History and Physical Examination (HHPE) I

The health history and physical examination course is a two-semester course. The purpose of the first semester is to provide students with the resources to obtain a medical history, perform a screening physical examination and record the history and physical examination. In addition, students will attend two hospital practica to demonstrate their interviewing and physical examination skills. Fall.

PAC 07 Diagnostic Imaging I

Explores both general and specific concepts of diagnostic imaging. Students are provided with the resources to know when and how to order radiographic tests, to have a basic understanding of the equipment, techniques and problems, advantages and disadvantages and the benefits and risks of diagnostic radiology. The student will be introduced to the basics of systematically reading and interpreting chest x-rays, abdominal x-rays, and renal imaging studies. Fall.

PAC 08 Laboratory Medicine

This course is designed to provide the student with an understanding of the use of the clinical laboratory as an aid to diagnosis, treatment and management of disease and the skill to perform a limited number of laboratory procedures. Fall.

PAC 09 Pediatrics

This course is designed to provide the student with an understanding of the pediatric clinical practice. Topics related to the normal and abnormal development of infants and children will be discussed. The diagnosis and treatment of common pediatric problems are emphasized along with health care maintenance. Spring.

PAC 10 Health History and Physical Examination (HHPE) II

Builds on the knowledge gained in HHPE I to refine and expand the skills necessary for obtaining health histories, performing physical examinations and recording findings. The focus is on complex and specialized elements of the medical and psychosocial history and specialized aspects of the physical examination. History-taking topics include interviewing skills for special situations, issues in non-verbal communication and ascertaining psychosocial components of medical complaints. Additionally, the student learns to rationally organize physical examinations, perform problem-based focused histories and physical examinations and develop differential diagnoses and properly document. Emphasis is on problem solving, including assessments and management plans. Students attend hospital practica to demonstrate their interviewing and physical examination skills. Spring.

PAC 11 Medicine II

This course covers the fundamentals of care for patient problems seen in the following areas and organ systems: obstetrics and gynecology (ob-gyn), HIV disease and selected other infectious diseases, cardiology, musculoskeletal (includes orthopedics and rheumatology), neurology, psychiatry and oncology. Spring.

PAC 12 Medical/Surgical Instrumentation

Presents the basic knowledge and clinical skills to become competent in performing various medical-surgical procedures. Students practice procedures on mannequins and each other. While working together, students gain a better understanding of patient reactions and complaints associated with various medical procedures. Empathy and consideration for patients undergoing these procedures is evoked via classroom interactions. Spring.
PAC 13 Diagnostic Imaging II

This course is designed to provide the student with the resources to know when and how to order radiographic tests and to know the advantages and disadvantages, along with the benefits and risks of diagnostic radiology. The student will be introduced to the basics of systematically reading and interpreting x-rays of the skeletal system and imaging studies available for the evaluation of the nervous system. Spring.

PAC 14 Geriatrics

Presents how to provide comprehensive, person-centered care of the elderly through knowledge of the normal aging process. The student learns to describe and assess functional and medical problems which are important in the geriatric population. This course focuses on the diagnosis and management of common problems encountered in the geriatric population. The student will be able to describe the importance of health-care maintenance, prevention of diseases in the elderly, as well as the options of long-term care facilities and home care. Spring.

PAC 16 Clinical Pharmacology II

This course covers the mechanism of action, pharmacodynamics, pharmokinetics, indications for use, preparations, routes of administration, adverse effects and contraindications for drug groups used in the disciplines of women’s health, HIV disease and other infectious diseases, cardiology, orthopedics, rheumatology, neurology, psychiatry and oncology. Spring.

PAC 17 General Surgery

This course overviews surgical diseases, their management and treatment. Emphasis is placed on formulating an appropriate surgical diagnosis based on clinical symptoms and signs, differential diagnoses with the use of appropriate diagnostic studies, recognition of surgical emergencies, management decisions, preoperative and postoperative care. Spring.

PAC 18 Emergency Medicine

Covers the fundamentals of care for problems seen in the emergency setting that have not been covered in previous courses; students learn how to set priorities in the emergency situation. Emphasis is on the approach to emergency medical care and immediate intervention, teamwork and consultation and follow-up. Spring, extending through Summer Session II.

PAC 19 Community Medicine

This course focuses on the health and wellness of individuals throughout their lifespan. The three elements of primary prevention, health-promotion, disease prevention and health protection, are covered. The course provides an overview of the methodology for interpreting the medical literature and applying these concepts to clinical problems. Summer Session.

Year 2 Required Clinical Courses (Rotations)

PAC 50 Internal Medicine

This rotation takes place in a hospital setting and for some rotations also involves an office internal medicine component. This rotation provides the student with the opportunity to acquire the skills and knowledge necessary to diagnose and treat adult patients with medical problems. Under the supervision of a preceptor, students will progressively assume responsibility to provide adult medical services, including both acute and chronic disease management (including more complicated patients), health promotion and maintenance and disease prevention.

PAC 51 General Surgery

This rotation takes place in an inpatient hospital setting and also includes outpatient surgical clinic duties. This rotation will provide the student with the opportunity to acquire the skills and knowledge necessary to diagnose and treat adult/pediatric patients
with surgical problems. Under the supervision of a preceptor, students will progressively assume responsibility to provide adult/pediatric surgical services, including acute, chronic, emergent disease management, health promotion and disease prevention.

**PAC 52 Obstetrics/Gynecology**

This rotation takes place in a hospital setting and also includes an outpatient clinic component. This rotation provides the student with the opportunity to acquire skills and knowledge necessary to diagnose and treat patients with gynecological and obstetrical presentations. Under the supervision of a preceptor, students will progressively assume responsibility to provide ob-gyn services, including acute and chronic disease management, health promotion, health maintenance and disease prevention.

**PAC 53 Pediatrics**

This rotation takes place in a hospital, clinic, and/or private office setting. The student is expected to acquire the skills and knowledge necessary to diagnose and treat pediatric patients with medical and behavioral problems. Under the supervision of a preceptor, the student will progressively assume responsibility to provide pediatric medical services, including both acute and chronic disease management, well child care and adolescent care. The student will provide parent and, when appropriate, patient education to include anticipatory guidance, health promotion and disease prevention.

**PAC 54 Emergency Medicine**

This rotation is centered in the department of emergency medicine and related immediate care clinics. Students gain experience in the care of problems seen in the emergency and urgent care setting, including patients of all ages presenting with a broad range of primary care problems. Under preceptor supervision, students will assume increasing responsibility in the provision of episodic, urgent and emergency care. Students will be able to identify those conditions that are potentially life-threatening and require urgent intervention and, when necessary, ensure that the patient obtains emergency treatment.

**PAC 55 Primary Care I**

This rotation takes place in an ambulatory/outpatient setting. This rotation will provide the student with the opportunity to acquire the skills and knowledge necessary to diagnose and treat patients of all ages in an ambulatory care setting. Under the supervision of a preceptor, students will progressively assume responsibility to provide family-oriented primary care services, including both acute and chronic disease management, health promotion and maintenance and disease prevention.

**PAC 56 Primary Care II**

This rotation takes place in an ambulatory/outpatient setting. This rotation will build on the experience gained in the Family Practice I rotation, providing the student with the opportunity to further his/her skills and knowledge necessary to diagnose and treat patients in an ambulatory care setting. Under the supervision of a preceptor, students will progressively assume responsibility to provide family-oriented primary care services, including both acute and chronic disease management (including more complicated patients), health promotion and maintenance and disease prevention. The learning objectives for this rotation emphasize behavioral and psychiatric conditions.

**PAC 57 Primary Care Elective**

For this rotation, the student may select a primary care site or a primary care specialty rotation. Specialty choices include rotations in HIV/infectious diseases, pulmonary medicine, cardiology/ internal medicine or psychiatry.
PAC 58 Geriatrics

This rotation takes place in specialized geriatric facilities, nursing homes and chronic care facilities. This rotation provides the student with the opportunity to acquire the skills and knowledge necessary to diagnose and treat elder patients with medical, functional and social/family support problems. Emphasis is placed on comprehensive assessment, appropriate clinical decision making and management of medical problems, both acute and chronic, commonly encountered in the geriatric population.

PAC 59 Orthopedics

This rotation takes place in a hospital and/or ambulatory setting. This rotation provides the student with the opportunity to acquire the skills and knowledge necessary to diagnose and treat adult and pediatric patients with orthopedic problems. Under the supervision of a preceptor, the student will progressively assume responsibility to provide adult and pediatric orthopedic care, including both acute and chronic problems, health promotion, maintenance and disease prevention.

PAC 60 Seminar/Competencies

This course is designed to supplement the clinical experience with appropriate learning sessions. Emphasis is on patient care and covers history taking, physical examination skills, diagnosis and management of patients.
Mathematics

Office: Room 2078
Phone: (718) 489-5396

Chairman
Dr. Fotios Paliogiannis

Instructors
DiClementi
Shochat

Professor
Guaraldo

Adjuncts
Brewster

Assistant Professors
Gaynor
Paliogiannis

Camilien
Jones
Kholer
Margulis

Professor Emeritus
Andres

Okobi
Salts
Schaefer

Department Mission

Mathematics belongs both to the sciences and to the liberal arts. Not only is it the language of science, but it is also studied for its own beauty. Its basic elements are logic and intuition, analysis and construction, generality and individuality.

The Department of Mathematics offers a wide spectrum of mathematics courses ranging from first-year courses to upper-level advanced courses that cover the full undergraduate curriculum in mathematics, leading to a BS in mathematics. The challenging BS degree program is excellent preparation for graduate study at any university.

The mathematics major and minor prepare students for careers in business, government, industry, teaching and research. The rapid advances of science and technology have multiplied the domains in which mathematics is a pre-requisite for a variety of applications in modern technologies. In today's technology-oriented climate, the department's graduates have new opportunities for employment and professional advancement.

Goals and Objectives

To introduce students to the fundamental areas of mathematics, train students in the analytical thinking characteristics of pure and applied mathematics.

To teach students the abstract mathematical reasoning and provide familiarity with rigorous methods of mathematical proof.

To prepare mathematics majors for the competitive world of graduate studies in mathematics and related sciences.
Requirements for Department Majors and Minors

Major in Mathematics—Required Courses and Credits

Students considering the mathematics major should consult an advisor during their first or second semester to plan the proper sequence of courses and should continue to consult the chair of the mathematics department at least once each semester. Students entering the major should have demonstrated knowledge of Pre-Calculus and Calculus I (MAT 107, MAT 202).

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum, including 8 credits in Physics</td>
<td>44</td>
</tr>
<tr>
<td>Foreign Language or Information Technology</td>
<td>6 *</td>
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<tr>
<td>Mathematics 202; 203; 304; 312; 401; 403; 404; 409; 415; and</td>
<td></td>
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<tr>
<td>300 / 400-level electives, excluding MAT 301</td>
<td>42</td>
</tr>
<tr>
<td>Free electives</td>
<td>34</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>128</strong></td>
</tr>
</tbody>
</table>

* Two courses in the same foreign language or two courses in Information Technology, at least one of which is a high-level computer language.

**NOTE:** The satisfactory completion of a set of comprehensive problems to be administered early in the senior year is a graduation requirement for a baccalaureate degree in mathematics.

Minor in Mathematics—Required Courses and Credits

The purpose of the mathematics minor is to provide the student with an introduction to some of the topics of higher mathematics. This minor would be especially useful to those students who intend to pursue graduate programs in the sciences, economics and various areas of business, since knowledge of some higher mathematics is necessary for successful study in these fields.

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics 202; 203; 304 and 312</td>
<td>16</td>
</tr>
<tr>
<td>Two from the following</td>
<td></td>
</tr>
<tr>
<td>Mathematics 309; 401; 403; 406; 408; 409; 412 and 415</td>
<td>total of 6</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>22</strong></td>
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</table>

**Mathematics [MAT] Courses**

Students wishing to major in biology or mathematics must take a placement test. The test results will determine whether the student must take MAT 107 prior to taking MAT 202. For liberal arts students and others wishing to take MAT 103, MAT 104 or MAT 301, a placement test (elementary algebra) will be administered and the resulting score will determine the student's eligibility to take any of these courses, or whether MAT 050 is first required. All students required to complete MAT 050 as prerequisite to other courses must do so before the completion of 60 credits. For accounting, business, economics, management or science students, and others wishing to take MAT 107 or MAT 109, a placement test (intermediate algebra) will be administered and the resulting score will determine the student's eligibility to take either of the courses, or whether MAT 105 or MAT 070 is first required.
MAT 050 Elementary Algebra
A remedial course designed to develop and/or strengthen basic topics in algebra that a student should master before taking a first course in mathematics. Prerequisite: Placement by examination. 3 lecture hours per week. No credits. Every semester; day and evening.

MAT 070 Intermediate Algebra
A review of topics in elementary algebra and an extended treatment of some topics such as equations and inequalities in one and two variables as well as linear systems. Other topics include relations, functions, exponents, logarithms, exponentials, quadratic equations and applications. Prerequisite: Placement by examination or MAT 050. 3 lecture hours per week. No credits. Every semester; day and evening.

MAT 103 Foundations of Mathematics
A liberal arts mathematics course for non-mathematics majors and non-science majors. Explores several ideas of mathematics to give the student and appreciation of the significance of mathematics. The course covers mathematical patterns and problem solving, numeration and mathematical systems, other number bases, the binary number system, modular arithmetic, the Fibonacci sequence and the Golden ration and real numbers and their representation. Prerequisite: Placement by examination or MAT 050. 3 credits. Every semester; day and evening.

MAT 104 Discrete Mathematics
Basic concepts of set theory, symbolic logic, counting methods, permutations and combinations, discrete probability and elementary statistics, graphs, graph theory, Euler circuits and trees. Prerequisite: Placement by examination or MAT 050. 3 credits. Every semester; day.

MAT 105 College Algebra
A review of topics in intermediate algebra and an extended treatment of some topics such as relations, functions and graphs to include polynomial, rational, algebraic, exponential, and logarithmic functions and graphs. Additional topics include linear systems of equations and inequalities in two variables, determinants and matrices with applications to business and economics. This course is recommended for students with a weak to moderate knowledge of intermediate algebra. Prerequisite: Placement by examination or MAT 070. 3 lecture hours per week. 3 credits. Every semester; day and evening.

MAT 107 Algebra and Trigonometry for Science Majors
A course for mathematics and science majors designed to develop and strengthen those topics in algebra and trigonometry that a student should master before taking a first standard course in calculus. Prerequisite: Placement by examination or MAT 105. Graphing calculator is optional. 4 lecture hours per week. 4 credits. Every semester; day.

MAT 109 Mathematics for Managerial Science I
The study of matrices and their application. Examples include the Leontief model and solution of systems in linear equations, inequalities in linear programming (graphical and algebraic approach), dual problems and economic interpretation. Prerequisite: Placement by examination or MAT 105. 3 credits. Fall Semester; day and evening. Spring Semester; day.

MAT 110 Mathematics for Managerial Science II
Introduces the basic concepts of functional relationships, the basic skills of differentiation and integration, maxima and minima problems and several other applications of calculus, especially models in business and economics, exponential models and
MAT 202 Calculus I

Emphasis given to calculus, including differentiation and integration of algebraic forms, areas, applications of the derivative, differentials, Rolle's theorem, the mean value theorem and the fundamental theorem of calculus. Prerequisite: MAT 107 or placement by examination. Students may purchase a graphing calculator. 4 credits. Every semester; day.

MAT 203 Calculus II

Applications of integration, logarithmic, exponential, inverse, hyperbolic and trigonometric functions. Methods of integration, including integration by parts, trigonometric substitutions, conic sections, rotation of axes and the general second degree equation, polar coordinates, improper integrals, L'Hopital's rules, sequences and infinite series. Prerequisite: MAT 202. 4 credits. Every semester; day.

MAT 301 Statistics

Organization, description and interpretation of data. Probability and probability distributions. Sampling distributions and estimation of population parameters. Testing hypotheses, linear regression, correlation analysis and index numbers. Prerequisite: Placement by examination or MAT 104. 3 credits. Every semester; day and evening.

MAT 304 Calculus III

Vectors and vector functions. Functions of several variables. Double and triple integrals, partial derivatives, chain-rule, cylindrical and spherical coordinates and change of variable applications. Prerequisite: MAT 203. 4 credits. Every semester; day.

MAT 309 College Geometry

Topics of higher Euclidean geometry and geometric constructions. Geometrical transformations and different kinds of geometries. Projective and hyperbolic geometries. 3 credits. Offered as needed; day.

MAT 310 Vector Analysis

The algebra and calculus of vectors, scalar and vector product, coordinate systems, space geometry, vector differential operators, divergence and curl of vector fields, curvilinear coordinates, line and surface integrals. Green's theorem, Stokes' theorem and divergence theorem. Prerequisite: MAT 304. 3 credits. Offered as needed; day.

MAT 311 Introduction to Set Theory

The algebra of propositions and quantifiers; sets, relations, functions, equivalence relations, partial and total orders and product sets; Cantor hypothesis, cardinal and ordinal numbers and well-ordered sets; Axiom of Choice, Zorn's dilemma and well ordering axiom. Prerequisite: MAT 203. 3 credits. Offered as needed; day.

MAT 312 Linear Algebra

Systems of linear equations, vector spaces, linear independence basis and dimension; matrices and determinants, rank and nullity; eigenvalues and eigenvectors; diagonalizable matrices; linear transformations and matrices. 3 credits. Offered as needed; day.

MAT 401 Differential Equations I

Methods of solving ordinary differential equations with applications. Linear differential equations of first-, second- and higher-order applications. Systems of linear differential equations. Prerequisite: MAT 203. 3 credits. Fall Semester; day.
MAT 402 Differential Equations II
Fourier series and Laplace transformations; applications. Series solution of differential equations. Legendre's and Bessel's equations. Partial differential equations. Prerequisite: MAT 401. 3 credits. Offered as needed; day.

MAT 403 Advanced Calculus I
Axiom of continuity, least upper bounds and greatest lower bounds; open and closed sets; continuity differentiation; maxima and minima for functions of two or more variables; the method of Lagrange; implicit function theorems and general theorems of partial differentiation. Prerequisite: MAT 304. 4 credits. Fall Semester; day.

MAT 404 Advanced Calculus II
Transformations and mappings, point set theory, uniform continuity and fundamental theorems of continuous functions, the theory of integration, infinite series and uniform convergence, power series, improper integrals and a study of the gamma functions. Prerequisite: MAT 403. 4 credits. Spring Semester; day.

MAT 406 Theory of Numbers
An introductory course dealing mainly with divisibility, number theorems, theory and congruences, quadratic residues, and Diophantine equations. Quadratic residues and quadratic reciprocity law. Fermat's theory, Chinese remainder theorem, Euler's theorem and Wilson's theorem. Prerequisite: MAT 202. 3 credits. Offered as needed; day.

MAT 408 Numerical Analysis
Numerical solutions of equations, difference tables, operator methods; numerical differentiation and integration; numerical solution of ordinary differential equations; systems of linear equations; solutions by iterative methods. Prerequisites: MAT 304 or 401. 3 credits. Offered as needed; day.

MAT 409 Modern Algebra
Sets and mappings; theory of groups, rings and fields; homomorphism, isomorphism and the first isomorphism theorem; the field of real numbers and the field of complex numbers. Prerequisite: MAT 304. 3 credits. Spring Semester; day.

MAT 410 Functions of a Complex Variable
Complex numbers and the topology of the complex plane; analytic and elementary functions, contour integrals, conformal mappings, power series, Laurent series, Cauchy-Riemann partial differential equations; Cauchy-Goursat theorem. Prerequisite: MAT 304. 3 credits. Offered as needed; day.

MAT 411 General Topology
Set-theoretic preliminaries, metric spaces, topological spaces, continuity and homomorphism, compactness and connectedness, separation axioms, complete metric spaces, covering spaces. Prerequisite: MAT 403. 3 credits. Offered as needed; day.

MAT 412 Advanced Linear Algebra
This is an advanced course in linear algebra that examines linear transformations and matrices, the characteristics of minimal polynomials, Caley-Hamilton theorem, diagonalization, unitary spaces, self-adjoint, normal matrices and the spectral theorem, Jordan canonical form and quadratic form. Prerequisite: MAT 312; 409. 4 credits. Fall Semester; day.

MAT 414 Introduction to Real Analysis
Families of sets, countable sets and uncountable sets, metric spaces, the space of continuous functions on a compact set, the Stone-Weirstrass theorem, measure and measurable functions, the Lebesgue Integral and dominated and monotone convergence theorem, $L^p$ spaces. Prerequisite: MAT 404. 3 credits. Offered as needed; day.
MAT 415 Probability Theory

Discrete and continuous random variables and their probability distributions. Mathematical expectation and moments. Chebyshev's Theorem, the Bernoulli, Poisson, Geometric and Hypergeometric distributions; the Uniform, Exponential, Gamma, Chi-Square and Normal distribution. Multivariate probability distributions. Functions of random variables. Central Limit theorems. Prerequisite: MAT 304. 3 credits. Fall Semester; day.

MAT 416 Mathematical Statistics

Sampling distributions, methods of estimation and hypothesis, linear regression and the method of least squares. Correlation and analysis of variance. Elements of decision theory, statistical games and nonparametric tests. Prerequisite: MAT 415. 3 credits. Offered as needed; day.

MAT 418 Seminar in Actuarial Science

Advanced problem solving seminar for students interested in careers as actuaries. This seminar covers material in calculus, advanced calculus, linear algebra and probability theory. Examination given by the Society of Actuaries. Prerequisites: MAT 404, MAT 412 and MAT 415. 2 credits. Offered as needed; day and evening.

MAT 420 Topics in Advanced Mathematics

One of two courses that provide ideal preparation for students wishing to pursue graduate studies in mathematics. The topics of Algebra or Analysis will be announced in advance and require permission of the chair. 3 credits. Offered as needed, Spring Semester; day.

Topics in Algebra: Solvability by radicals, Galois groups and polynomial equations not solvable by radicals. The Sylow theorems and the fundamental theorem of Algebra. Prerequisite: MAT 409.

Nursing

Office: Room 102A
Phone: (718) 489-5267

Chairman
Dr. Susan Saladino

Associate Professors
Martin Saladino

Note: Program is open only to Registered Nurses and qualified transfer students.

Department Mission

The mission of St. Francis College Department of Nursing is consistent with the overall mission of the College—to promote the development of the whole person by integrating a liberal arts education with pre-professional programs. The Department of Nursing mission encompasses the Franciscan tradition of service, equality, esthetics, freedom, honor, dignity, justice and truth within the context of professional nursing standards at the baccalaureate level (ANA Standards of Clinical Nursing Practice) to build a foundation of knowledge that will contribute to the development of the nursing profession as well as to society as a whole.

Goals and Objectives

The student who successfully completes the nursing program is able to:

Integrate knowledge from bio/psycho/social/spiritual dimensions in caring for individuals, families, groups and communities.

Apply the nursing process in the delivery of culturally competent nursing care.

Apply principles of leadership and management in caring for individuals, families, groups and communities.

Demonstrate accountability and responsibility for individual nursing actions.

Collaborate as a member of a multi-disciplinary health care team.

Analyze research findings and technological advances for their applicability to clinical practice.

Analyze national and international health policy initiatives for their impact on service, equality, esthetics, freedom, human dignity, justice and health of populations.

Critically analyze the rationale for the nursing care provided.

Incorporate the Franciscan tradition of service, equality, esthetics, freedom, honor, dignity, justice and truth into daily nursing practice.

Recognize the legal and ethical health policy ramifications central to the delivery of health care.
Requirements for Department Majors

Major in Nursing—Required Courses and Credits

The nursing major offers a Bachelor of Science degree to registered nurse candidates who complete the requirements listed below. The program requires that students demonstrate knowledge and skills in the liberal arts and sciences including mathematics, natural sciences, social sciences, history, the arts and basic communication. Students may also receive college credit for proficiency in a foreign language.

Flexible scheduling permits full- or part-time study. Please note that the program is designed for nurses who wish to remain employed while continuing their education. Therefore, courses will be offered during the evening whenever possible. Students without sufficient liberal arts courses or those students who wish to attend during the day may do so.

When accepted into the program, student transcripts will be evaluated for transfer credits. A total of up to 98 credits, completed with grades of “C” or higher, may be transferred, including 30 credits in nursing. Students from diploma programs may make arrangements to earn up to 30 credits in nursing by successfully completing the NLN ACE Test II. Students proficient in a foreign language or native speakers of a foreign language may earn up to 16 credits by exam. All students must complete a minimum of 30 credits in residence at St. Francis College.

| Mathematics 301 | 3 |
| Information Technology 101 | 3 |
| Nursing credits transferred | 30 |
| English Composition 105 | 3 |
| Religion 205 | 3 |
| Liberal Arts and Science | 55 |
| Nursing 321; 322; 323-324; 421-422; 423; 501; 502; 600 | 28 |
| Information Technology 250 | 3 |
| **Total credits required** | **128** |

Nursing [NUR] Courses

**NUR 321 Physical Assessment**

This course is an introduction to physical assessment with an emphasis on the review of systems that includes physical examination and history taking. 3 credits. Second summer session; evening.

**NUR 322 Nursing Issues**

Identification and exploration of nursing and health care issues of concern with a focus on professional nursing in the twenty-first century. Contemporary practice issues will be discussed within the context of the nurse as a provider and manager of care. Students will examine the major concepts used to create the course of study for baccalaureate education and investigate their relevance to contemporary practice. The Pew Commission characteristics of practitioners in 2010 will be addressed. 3 credits. First summer session; evening.

**NUR 323 Professional Nursing Bridge Course (Clinical)**

This is the clinical component of NUR 324. Students spend one day per week in a learning environment that facilitates the
integration and synthesis of old and new knowledge and attitudes. Prerequisite: NUR 321. Co-requisite: NUR 324. 4 credits. Fall Semester; day.

NUR 324 Professional Nursing Bridge Course (Lecture)

This course is designed to help the AD or diploma nurse build on previously acquired knowledge in order to develop a more conceptual approach to the practice of nursing. The course expands the knowledge base of the RN by presenting new material. Prerequisite: NUR 321. Co-requisite: NUR 323. 3 credits. Fall Semester; evening.

NUR 421 Community/Public Health (Clinical)

This is the clinical component of NUR 422. Students spend one day per week in a learning environment that assists the student in developing an understanding of the role that health policy plays in prevention, environmental health and the care of special risk groups. Prerequisites: NUR 321; 323; 324. Co-requisite: NUR 422. 4 credits. Spring Semester; day.

NUR 422 Community/Public Health (Lecture)

Introduction to the epidemiological model and the principals of epidemiological investigation as tools for analyzing health needs. Prevention, environmental health and the needs of special risk groups are addressed within the context of health policy. Prerequisites: NUR 321; 323; 324. Co-requisite: NUR 421. 3 credits. Spring Semester; evening.

NUR 423 Nursing Leadership and Management

The difference between leadership and management is explored within the context of the changing health care environment. Emphasis is placed on leadership and management theory within the managed care environment. Permission of department required. Open to non-majors. 3 credits. Fall Semester; evening.

NUR 501 Nursing Seminar I

An examination of what it is like to be a nurse in the twenty-first century with special emphasis on those nurses who have become leaders. The course discusses the roles that nurses might assume in the new millennium. 1 credit. Fall Semester; evening.

NUR 502 Nursing Seminar II

This course assists the nurse in preparing for professional nursing practice by integrating the practice, education, research and health policy interests of the nurse. Students are encouraged to explore a specific topic or clinical area of interest in the preparation of an oral/written report. Prerequisite: Permission of department. 1 credit. Spring Semester; evening.

NUR 600 Nursing Research

An introductory course to the research process. The course focuses on the professional nurse as research consumer. Critical appraisal skills are developed as a basis for evaluating research studies and their application to clinical practice. Learning activities are designed to facilitate the students’ understanding of nursing research, the research utilization process and professional role development. Prerequisites: ENG 105; MAT 301. 3 credits. Spring Semester; evening.
Pre-Health Professions Programs

Office: Room 404S
Phone: (718) 489-5459

The Pre-Health Professions Programs prepare students to pursue further studies in professional schools for medicine, dentistry, podiatry and veterinary medicine, as well as for allied health programs including medical technology, radiologic sciences, physician assistant and diagnostic medical imaging. They also ready students for entry into master’s-level programs in occupational therapy, physical therapy and midwifery. The major (degree) depends on which specific program is selected (see catalogue descriptions).

St. Francis offers several of the programs in cooperation with St. Vincent's Catholic Medical Centers, SUNY Downstate, Methodist Hospital of Brooklyn, NYU School of Dentistry and the New York College of Podiatric Medicine.

Further Specific Information

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<th>Program</th>
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<td>Medical Technology</td>
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<td>Nursing</td>
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<td>Physician Assistant</td>
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<td>Pre-Dental</td>
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<td>Pre-Medical</td>
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<td>Pre-Podiatry</td>
<td>41</td>
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<tr>
<td>Radiologic Sciences</td>
<td>42</td>
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</tbody>
</table>

Basic Requirements

Students are advised that these programs do not require them to major in biology or chemistry, but do require the successful completion of certain science and mathematics courses in sequence. Moreover, this sequence often must be completed prior to standardized entrance exams (e.g., MCAT or DAT) or application to specific programs. For this reason, students should begin the required courses in the freshman year and follow the sequence carefully.

Regardless of academic major, most health professional schools require:

- General biology (BIO 103-104)
- General chemistry (CHE 111-112)
- Organic chemistry (CHE 301-302)
- General physics (PHY 101-102)
- Biochemistry (CHE 304)
- Comparative anatomy with laboratory (BIO 202)
- Calculus I (MAT 202)
- English composition and literature (ENG 10 and one literature course at the 200-level or above)
The College strongly recommends that students interested in medicine or dentistry take at least three of the following courses:

- Histology with laboratory (BIO 206)
- Anatomy and Physiology (BIO 107)
- Cell biology (BIO 310)
- Microbiology (BIO 301)
- Genetics (BIO 303)

Students should be aware that Advanced Placement courses from high school may not satisfy the science requirements for some advanced programs (consult specific school’s catalogue). While courses may be designated as required or recommended, students planning to enter highly competitive fields should take as many highly recommended courses as possible.

Finally, understanding that the Pre-Health Professions Programs are highly competitive, students are advised to plan alternative pathways. For instance, one’s grades may not meet the standards, one may discover new career interests or priorities may change. Planning an alternate route to further study or career may help direct your undergraduate work.

*Advisement*

As soon as possible upon admission to the College, interested students should consult the Liaison for Health Science Programs regarding an appropriate major. All students must declare a suitable major by the end of the fourth semester at the College. In order to be eligible for some forms of financial aid, transfer students may need to declare an academic major immediately. These students should nonetheless consult with an academic advisor before selecting their major.

Students should begin taking the required programs in the first year of college, especially those interested in one of the affiliated programs. Current information about requirements may be found in the most recent catalogue and supplement, from the Liaison to the Pre-Health Professional Programs and from affiliated institutions.

It is important to note that acceptance to the College does not constitute formal admission into any of the majors offered by the College. Further, acceptance into any of these pre-health professional programs does not automatically guarantee placement in the clinical facilities of the professional phase of the program. Continued registration in these programs will require a minimum grade point average, participation in colloquia and other presentations by the program, regular consultation with academic advisors and participation in volunteer activity leading to familiarity with the health field.
DIVISION OF HUMANITIES

Studies within the Humanities provide the instruments for an understanding of human knowledge and the means by which this knowledge can be questioned. This intellectual self-determination, the basis upon which a liberal arts education is built, combines an emphasis on the development of the whole person with an understanding of civilization and its foundations. By encompassing so much of human knowledge and experience, courses with the Humanities lead students toward intellectual, emotional and spiritual development within an atmosphere of serious intellectual pursuit, learning and scholarship.

Goals and Objectives:

To promote intellectual growth and curiosity.

To examine modes of communication, means of expression and ways of thinking.

To cultivate critical awareness.

To provide a solid grounding in each discipline within the Humanities.

To develop an appreciation of human cultures and societies.

Departments:

Communication Arts
English
Foreign Languages, Fine Arts and International Cultural Studies
Honors
Philosophy
Religious Studies
Communication Arts

Office: Room 710R
Phone: (718) 489-5287

Chairman
Dr. Richard Berleh

Adjuncts
Eftierides
Ferullo

Professors
Berleh
Jackson
Setrakian

Ford
Gardino
Gewirtze
Grant

Assistant Professor
Dugan

LeFever
Melucci
Moloney

Professor Emerita
Vigliano

Munroe
Sisson
Stone
Windish

Department Mission

The Communication Arts program aims to contribute significantly to a sound liberal arts education by offering St. Francis students extensive training in oral communication and presentation skills. Communication Arts also offers a wide range of courses in advertising, film and broadcasting, voice, theater and related areas. Majors choose from one of four concentrations: advertising and public relations; film and broadcasting; speech and theater and English and Communications as they prepare for careers or graduate education. All majors, regardless of specialization, receive a degree in Communication Arts and all are encouraged to sample courses across the department’s curriculum.

Goals and Objectives

To develop oral communication skills for success in college and career by exposing students to speech and voice training and interpersonal and small group exercises, with an emphasis on critical thinking and presentation dynamics.

To instruct students in the methods and practices of modern media by requiring majors to complete courses in mass communication, persuasion, news writing, television production, film and advertising with an emphasis on media’s social and technological impact.

To nurture creativity and develop critical standards through a sequence of hands-on courses stressing professional skills and practices. Writing for performance, acting, film and video production, directing and advertising design aim to achieve this goal.
Requirements for Department Majors and Minors

Major in Communication Arts—Required Courses and Credits

All majors in Communication Arts are required to complete a mandatory three-credit Independent Study course under a mentor of their choice. COM 510 (of which the group version is 511) must be completed with acceptance of a thesis paper, performance, and/or project by the close of the student’s senior year. Research, analysis and presentation must meet department standards for scholarship, methodology and written expression. This senior thesis program does not replace independent study of specialized communication issues (COM 500) offered to upper-class majors within the department’s concentration.

Students with at least a 3.0 GPA are encouraged to seek internships in industries related to their concentration. Field Experience (COM 600) is open to students in their last three semesters of study and may be used to complete elective requirements. Interns are evaluated jointly by the department and outside professionals responsible for the interns’ progress.

Concentration in Advertising and Public Relations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Core Curriculum</td>
<td></td>
</tr>
<tr>
<td>Two from any Foreign Language or Mathematics 301 plus any IT course above 101</td>
<td>6</td>
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<tr>
<td>Business 101</td>
<td>3</td>
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<tr>
<td>Information Technology 101</td>
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<tr>
<td>Marketing 201 and one of the following: 202; 307; 316; or 330</td>
<td>6</td>
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<tr>
<td>Communications 205; 302; 303 or 503; 304; 305 or 306; 307; 308; 309; 310; 404; 410; 411; 502; 510; and one from 550, 560 or 570</td>
<td>45</td>
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<tr>
<td>Free electives</td>
<td>21</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
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<tr>
<td>Total credits required</td>
<td>128</td>
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Concentration in Film and Broadcasting

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Core curriculum</td>
<td>42</td>
</tr>
<tr>
<td>English 372; and either ENG 373 or ENG 374</td>
<td>6</td>
</tr>
<tr>
<td>Two from any Foreign Language or Mathematics 301 plus any IT course above 101</td>
<td>6</td>
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<tr>
<td>Communications 205; 302; 303 or 503; 304; 305; 306; 307; 308; 309; 310; 401; 402 or 501; 404; 407; 409; 410; 510 and one from 550, 560 or 570</td>
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<tr>
<td>Information Technology 101</td>
<td>3</td>
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<tr>
<td>Free electives</td>
<td>15</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
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<tr>
<td>Total credits required</td>
<td>128</td>
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Concentration in Speech and Theater

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Core Curriculum</td>
<td>42</td>
</tr>
<tr>
<td>English 254A; 254B; 372; and 373 or 374</td>
<td>12</td>
</tr>
<tr>
<td>Two from any Foreign Language or Mathematics 301 plus any IT course above 101</td>
<td>6</td>
</tr>
<tr>
<td>Communications 205; 302; 303; 304 or 305 or 306; 308; 309; 310; 401; 404; 407; 409; 410; 503; 505; and 510</td>
<td>48</td>
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</tbody>
</table>
Information Technology 101 ................................................................................. 3
Free electives ........................................................................................................ 15
Health Science 100A or 100B or Physical Education 100 [A-L] ..................... 2
Total credits required .......................................................................................... 128

Concentration in English and Communications

Core curriculum .................................................................................................. 42
Two from any foreign language .......................................................................... 6
ENG 105; 210; 254; 371; 450; 499 and one from each of the following three groups .... 27
  ENG 372 or 374
  ENG 252 or 261
  ENG 261; 393; 256 or 257
COM 205; 301; 302; 304; 305 or 306; 310 or 410; 401; 405; 407 or 409 ............... 27
Free electives .................................................................................................... 24
Health Science 100A or 100B or Physical Education 100 [A-L] ..................... 2
Total credits required .......................................................................................... 128

Minor in Communications—Required Courses and Credits

The minor in communications consists of fifteen credits in the discipline, to be distributed in the following manner:

Communications 203 and 302 ........................................................................... 6
Three from the following ................................................................................. 9
  total of 9
COM 303; 304; 305; 306; 307; 309; 404; 407 or 502
Total credits required .......................................................................................... 15

Communication Arts [COM] Courses

COM 203 Fundamentals of Speech
An introductory course teaching phonetics, basic diction, and the practice of extemporaneous speaking. COM 203 is organized according to purpose, such as speaking to persuade, to inform or to entertain. Students receive an analysis and correction of individual speech problems. 3 credits. Every semester; day and evening.

COM 301 Oral Interpretation
An intermediate course aimed at public presentation and speech performance, COM 301 selects prose, poetry and plays to analyze and prepare for delivery. The objective of the course is to broaden communication skills by teaching students to comprehend and interpret forms of literature for purposes of effectively communicating them in oral presentations. Prerequisite: COM 203. 3 credits. Fall Semester; day and evening.
COM 302 Persuasion

An intermediate keystone course, COM 302 studies classic and current persuasive theory as applied to advertising, public relations, law, politics and media campaigns. This course emphasizes analysis of messages and their rhetorical and psychological structure, while also teaching tactics and strategies through applied example. Uses and abuses of persuasive methods are considered, as well as the impact of media developments on modern communications and traditional thought processes. Prerequisite: COM 203. 3 credits. Every semester; day and evening.

COM 303 Interpersonal Communications

An intermediate course, COM 303 introduces basic principles of interpersonal communication. The course presents both a theoretical perspective and a practical application of the concepts through student activities and exercises. Areas of investigation include communication theory, communication models, perception, language, communication breakdowns, non-verbal communication, self-concept, social roles, listening and conflict management. Prerequisite: COM 203. 3 credits. Every semester; day and evening.

COM 304 Mass Communications

An introductory keystone course, COM 304 surveys electronic and print media in America, including radio, television, cable, commercial filmmaking, newspapers and magazines. The course examines the history of mass communication forms, their economic and social functions, along with current controversies surrounding them. 3 credits. Every semester; day and evening.

COM 305 History of Film

An intermediate course, History and Film surveys major film styles, directors and movements in international cinema from 1890 to the present. The basic techniques of filmmaking are explored, as are the fundamental topics in film theory and criticism. 3 credits. Fall semester; day and evening.

COM 306 Studies in Film

An intermediate course, Studies in Film considers selected topics, filmmakers and film genres in cinema history, emphasizing the techniques employed that are specific to film and the contribution of film directors, writers, and cinematographers to their developing art. 3 credits. Spring Semester; day and evening.

COM 307 Advertising

An advanced intermediate course, COM 307 surveys advertising techniques and functions. The course stresses the development of an advertising plan: copywriting, media planning, campaign development, and strategy. Strong emphasis is placed on the analysis of TV, radio and print commercials. The relationship among budgetary, creative, and planning functions is investigated, as is advertising's impact on popular thought and culture. Prerequisite: COM 302 or 304. 3 credits. Every semester; day and evening.

COM 308 Television Studio Production

An intermediate course, COM 308 introduces students to the importance of radio and television directing and camera work, floor supervision, audio operation and control room operation. Students produce several television segments such as news, commercials and dramatic programs in this hands-on course open to limited numbers. Prerequisite: COM 304. Lab fee. 3 credits. Every semester; day.

COM 309 Topics in Mass Communication

An advanced intermediate course, COM 309 continues the examination of issues begun in COM 304, investigating selected problems and controversies in the contemporary mass media from the perspective of practitioners.
Topics include censorship and legal issues, the artistic strategies of popular cultural forms, and new technologies and opportunities in the electronic media. Prerequisite: COM 304. 3 credits. Every semester; day and evening.

COM 310 News Writing

An intermediate course, COM 310 introduces students to the rudiments of journalism. Students are taught the fundamentals of reporting and writing the news for today’s print and broadcast media. While emphasis falls on fact gathering, interviewing and writing techniques, special attention is also paid to copy editing, developing the body of a story, handling breaking news stories and covering beats. This course requires extensive writing and familiarity with mass communication theory. Prerequisites: ENG 103 and COM 302 or COM 304. 3 credits. Fall Semester; day.

COM 401 Basic Film and Video Production

An intermediate course, COM 401 is an introduction to filmmaking and half-inch portable video production. Students produce several individual projects in both film and video, mastering the skills of scriptwriting, storyboarding, cinematography, editing, and sound mixing. Prerequisites: COM 305 or 306. Lab fee. 3 credits. Every semester; day and evening.

COM 402 Advanced Film and Video Production

An advanced course, COM 402 teaches film and portable video production, emphasizing the application of more complex production and post-production techniques in both dramatic and documentary projects. Prerequisite: COM 401. Lab fee. 3 credits. Spring Semester; day.

COM 403 Film Criticism

An advanced course, COM 403 teaches film analysis and writing, examining the relationship among film theory, criticism and production. Emphasis is placed on close analysis of specific films and examples of film literature. Students write several critical essays on films seen both inside and outside of class. Prerequisites: COM 305 or COM 306. 3 credits. Fall Semester; day and evening.

COM 404 Acting I

An intermediate course, Acting I introduces students to the basic techniques and theories of acting. Students perform exercises in the fundamentals of voice, movement and concentration. Performance of contemporary dramatic scenes provides students with the opportunity to practice scene and character analysis. Prerequisite: COM 203. 3 credits. Every semester; day and evening.

COM 405 Global Communications

An advanced course, COM 405 is designed as a seminar embracing an interdisciplinary approach to global communications and international relations. Particular attention is paid to issues surrounding human rights and the debates over the right to communicate. Specific topics covered in the seminar include interethnic communication, interpersonal skills in a multicultural environment, intercultural and ethnic minority media relations, theories of global communications, and communication in war and conflict. The underlying thrust of the seminar is the necessity for an understanding of cultural differences and a critical approach to the structure and relations of the media from a global perspective. 3 credits. Offered as needed.

COM 407 Acting II

An advanced course, Acting II introduces various acting techniques employed in theater, television, and film. Contemporary scenes are videotaped and played for
discussion and analysis. Scenes from classic dramatic literature are also performed, directed and evaluated. Conducted as a workshop. Prerequisite: COM 404. 3 credits. Spring Semester; day and evening.

COM 409 Directing

An advanced course, COM 409 studies directing in film, radio, television and theater. Students direct documentaries, commercials, news features and special film and television features. Prerequisite: COM 401. 3 credits. Fall Semester; day.

COM 410 Writing for Performance

An advanced intermediate course, COM 410 provides an introductory survey of the writing techniques and skills for theater, film, and television. Students study format, characterization, scene construction, dialogue, narrative and basic structure of those media. The course includes analysis of plays, screenplays, documentaries, industrials and commercials. Student scripts are read and analyzed. Prerequisites: ENG 103 and COM 401. 3 credits. Every semester; day and evening.

COM 411 Creative Advertising

An advanced course teaching creative techniques used in print and electronic advertising. Emphasis falls on copywriting and design, using the latest desktop publishing, brochure, and website development methods. Students produce creative products to fit promotional specifications while learning how to integrate art and copy demands with marketing goals. Prerequisites: COM 302, COM 304 and COM 307. 3 credits. Spring Semester; day and evening.

COM 492 Movie Vision: Fiction and Film in American Cinema (Honors)

An introductory course, COM 492 starts with four modern American literary masterpieces and examines the directorial process and writing art through which significant literature is transposed to the screen. In addition to analyzing literary models and film adaptations, this course seeks to instruct students in movie method and technology, with emphasis on the cultural roots of perspective and mise-en-scene. Tensions and compatibility between the verbal communication of the novelist and the iconic imagination of the director are studied as vital components of a critical approach to both film and literature. 3 credits. Offered as needed.

COM 500 Independent Study

An advanced course, COM 500 requires a research project concentrating in one area of communications. A written and/or video and oral report is required at the end of the study. Conducted as a tutorial. Prerequisites: Communications major with junior or senior status and a 3.0 index. 1-3 credits. Offered as students qualify; day and evening.

COM 501 Documentary Film and Video Workshop

An advanced course in the special problems and techniques of documentary film and video production, covering areas of direction, script writing, pre-production and the specific production and post-production skills used in a documentary. Students in the course collaborate on several production projects as well as analyze examples of documentary formats in film and television. Prerequisite: COM 401. Lab fee. 3 credits. Fall Semester; day.

COM 502 Public Relations in Modern Media

An advanced course designed specifically for communications majors. Introduces basic skills and creative techniques employed in the development of public relations campaigns. Special emphasis is placed on the creation of messages and the selection of media. Applications include the crafting of press releases, development of video and film releases, speech writing and oral presentations.
Examples examined are drawn from government, industry and politics. The goal of the course is to present the public relations function against a backdrop of social dynamics and essential communication processes contributing to its effectiveness. Prerequisites: COM 302, 307 and 310. 3 credits. Spring Semester; day and evening.

**COM 503 Small Group Discussion**

An intermediate course, COM 503 examines the dynamics of small group communication theory and process in actual day-to-day small group experiences. The course focuses primarily on problem-solving groups using the case-study approach. Areas of exploration include leadership, participation, roles, norms, conflicts, cohesiveness, consensus, productivity, member satisfaction, group formats, problem-solving agenda systems and group discussion techniques. Prerequisite: COM 203. 3 credits. Fall Semester; day and evening.

**COM 505 Theater Production Workshop**

An advanced course. Although open to all students, COM 505 is a theater production course designed for students in the speech and theater concentration of the communications major. Students produce, direct and perform in a series of scenes and/or plays that will evolve into a complete production. Although the entire production process is supervised and moderated by the course instructor, the students are responsible for the creative process. When available, professional actors, writers and directors participate in the workshop. The course meets once weekly. The completed production is open to the public in the last session. Prerequisite: COM 404. 3 credits. Offered as needed; day, evening.

**COM 510 Senior Comprehensive/COM 511 Senior Seminar**

A capstone course. Required of all communications majors before graduation and taken during the senior year, COM 510 (COM 511 is a group version of 510) is offered on a tutorial basis and aims to evaluate the professional competence of the student. Study is individual and culminates in a thesis, report, performance and project to be supervised by a chosen mentor with occasional outside evaluation. 3 credits. Offered as students qualify.

**COM 550 Communications and the Law**

An advanced course that explores the relationship of communications issues to legal proceedings and theory. While First Amendment issues are addressed, attention is also given to the relationship of the press to the courts, television to the courts and the impact of mass communication technology on matters of justice and due process. Prerequisite: COM 304. 3 credits. Fall Semester; evening.

**COM 560 History of Television**

An advanced course that traces the development of broadcast television from inception to today's entertainment. A survey of television's favorite genres, creative highpoints and most memorable celebrities. Intended for advertising and broadcast track students. Prerequisite: COM 304. 3 credits. Spring Semester; evening.

**COM 570 Modern Radio**

An advanced course that introduces the art and business of radio broadcasting for broadcast and advertising students. COM 570 offers a hands-on approach to today's media with exploration of radio's audiences, sponsors and societal impact. Prerequisite: COM 304. 3 credits. Spring Semester; evening.
COM 600 Field Experience

An advanced course open to majors with an overall 3.0 GPA and/or significant accomplishments in the field of communications and, pending permission of the department chairperson, students are encouraged to engage in field experience. Assignments depend on the availability of suitable programs. The instructor assigned to consult in the study agrees to guide and evaluate the quality of work and research undertaken. Field experiences must relate to the area of communication in which the student has specialized. The number of credits awarded is determined by the chairman. During an internship, students must maintain a comprehensive daily log of personal work activities and attend a series of seminars during the field experience period. Prerequisite: Permission of department chairman. Open only to Communications majors. 3 credits. Offered as students qualify.
English

Office: Room 609R
Phone: (718) 489-5217

Chairman
Br. Edward Wesley, OSE, Ph.D.

Associate Professor
Franklin

Assistant Professors
Smith
Tague
Wesley

Instructor
Maloney

Adjuncts
Albecht
Barranca
Beitchman
Kustanovich
Lerner
Mescall
Quinn
Riedel
Sheehan
Smith

Department Mission

The English Department seeks to provide students with an education of the highest quality in language, literature and writing, integrating traditional with contemporary thought.

Goals and Objectives

To develop student writing using sound organization, clarity, forceful energetic prose and critical thinking.

To introduce students to literature and practice through careful, critical reading.

To develop a historical and cultural sense of literature along with literary theory and critical methods necessary in the discipline.

Requirements for Department Majors and Minors

Major in English—Required Courses and Credits

English majors may elect to pursue graduate studies or enter careers in business, journalism, law science, teaching or any profession that requires a well-rounded, literate, educated person.

Students wishing to major in English are required to take English 103: Writing for College and Career and then enroll in English 210: Critical Writing and Analysis, before moving to the British and American Literary Surveys. The course sequence for the English major follows the numbering of courses, so prospective majors are advised to complete the 200-level requirements before moving to 300-level courses.
Core curriculum, including English 251 ................................................................................. 42
English 210; 252; 256 or 257; 261; 262; and 254 ............................................................... 18
One from English 371; 372; 373; 374 ............................................................................. 3
Two from English 352; 353; 354; 355; 356 ..................................................................... 6
One from English 357; 358; 359; 360; 393; 394 ............................................................... 3
One from English 450A; 450B; 450C; 450D ................................................................. 3
English 499 .................................................................................................................. 3
Information Technology 101 .......................................................................................... 3
Liberal Arts electives ...................................................................................................... 18
Free electives ................................................................................................................ 27
Health Science 100A or 100B or Physical Education 100 [A-L] ........................................ 2
The satisfactory completion of ENG 499 satisfies the College’s Comprehensive
Examination/Thesis Requirement.

Total credits required .................................................................................................. 128

Minor in English—Required Courses and Credits

A minor in English enables students with other majors to gain the insights and understanding
that a systematic exposure to literature provides. The writing and critical-thinking skills
developed in English classes can be profitably applied in any professional area or field.

English 210; 231; 251; 252; 254 .................................................................................... 15
One from English 300 level ....................................................................................... 3
Total credits required ................................................................................................. 18

English [ENG] Courses

ENG 101 Fundamentals of English

Fundamental skills are stressed and practiced to correct deficiencies in written expression.
Models of contemporary prose in English are read, analyzed, and discussed as the basis of
the students’ own paragraphs and themes. Not applicable to the Core or to the English
major or minor. Not open to students who have completed ENG 103. For students in
certain sections of this course, a concurrent tutorial is mandatory. 3 credits. Every semester; day and evening.

ENG 103 Writing for College and Career *

Writing, reading, and critical-thinking methods that are required in courses across the
curriculum. The elements of argumentation—claim, support, evidence and examination
of assumptions—will be emphasized. Within this context, writings will also
demonstrate the traditional rhetorical modes. 3 Credits. Every semester; day and evening.

ENG 105 Advanced Composition

A writing-portfolio-based course that focuses on the acquisition and practice of strategies a
writer may use to predict a reader’s response. The writing will be both academic and
personal, concentrating on expository pieces, such as reports on research, persuasive essays
for standard thesis papers and informal writing such as journals and memoirs. Practice
pieces will be revised, edited and selected for the final presentation portfolio. Reading
associated with stylistic development may be used. Prerequisite: ENG 103. 3 credits.
Offered as needed.
ENG 210 Critical Writing and Analysis

Instruction and practice in critical and analytical writing centered on literature of various genres. Introduction to critical theory. Required of all English majors. Prerequisite: ENG 103. 3 credits. Offered as needed; day and evening.

ENG 211 Masterpieces of World Literature

Major works and authors from the Bible and ancient Greeks through the twentieth century. Prerequisite: ENG 103. 3 credits. Offered as needed; day.

ENG 225 Genre

An examination of the many genres found in literature. Prerequisite: ENG 103. 3 credits. Every semester; day.

ENG 231 British and American Poetry

A close reading of poems over the centuries. Prerequisite: ENG 103. 3 credits. Offered as needed.

ENG 251 English Survey I

Literature from the Anglo-Saxon through the Renaissance periods. Major works and authors from the ninth through the eighteenth centuries. Prerequisite: ENG 103. 3 credits. Fall Semester; day. Offered as needed in the evening.

ENG 252 English Survey II

Major works and authors from the eighteenth century to the present; Romantics, Victorians and Post-Moderns. Prerequisite: ENG 103. 3 credits. Spring Semester; day. Offered as needed in the evening.

ENG 254 Shakespeare

A close reading of representative tragedies, comedies, histories and romances. Prerequisite: ENG 103. 3 credits. Fall Semester; day. Offered as needed in the evening.

ENG 256 Chaucer

Close reading of the major works of Chaucer, including The Canterbury Tales and other major works. Prerequisite: ENG 103. 3 credits. Offered as needed; day.

ENG 257 Milton

Close reading of the major works of Milton, including Paradise Lost and other major works. Prerequisite: ENG 103. 3 credits. Offered as needed; day.

ENG 261 Survey of American Literature I

Major writers in poetry and prose from Colonial America to the Civil War. Prerequisite: ENG 103. 3 credits. Fall Semester; day. Offered as needed in the evening.

ENG 262 Survey of American Literature II

Major writers in poetry and prose from post-Civil War to the present. Prerequisite: ENG 103. 3 credits. Spring Semester; day. Offered as needed in the evening.

ENG 263/ED 410 Introduction to Reading Instruction

The basic principles of teaching reading and literacy in elementary school to meet NY State and NY City standards. Utilization of formal and informal diagnostic tools to appraise reading status, balanced literacy, grouping for instruction, guided reading, selection of instructional texts, teaching specific reading skills, evaluating reading progress and appropriateness of reading programs. Individualizing reading instruction. Prerequisites: ED 303 and ED 402; knowledge of computer applications; student has passed the LAST test. Co-requisite: Field Experience: 15 hours. 3 credits. Fall Semester; day and evening.
ENG 264/ED 411 Models and Strategies in the Teaching of Elementary Reading

An analysis of alternative approaches to reading and literacy instruction that address NY State and NY City standards. Includes an examination of techniques to detect and remedy reading problems in the classroom. Each student will be required to collect, construct and evaluate materials for use in a classroom situation, a small-group situation and individual instruction. Prerequisites: ED 303; 402 and 410; student has passed the LAST test. Field Experience: 15 hours. 3 credits. Spring Semester; day and evening.

ENG 352 Nineteenth-Century British Novel

Survey of representative British novels of the nineteenth century. Prerequisite: ENG 103. 3 credits. Fall Semester; day. Offered as needed in the evening.

ENG 353 Twentieth-Century British Novel

Survey of representative British novels of the twentieth century. Prerequisite: ENG 103. 3 credits. Spring Semester; day. Offered as needed in the evening.

ENG 354 Nineteenth-Century American Novel

Survey of representative American novels of the nineteenth century. Prerequisite: ENG 103. 3 credits. Fall Semester; day. Offered as needed in the evening.

ENG 355 Twentieth-Century American Novel

Survey of representative American novels of the twentieth century. Prerequisite: ENG 103. 3 credits. Spring Semester; day. Offered as needed in the evening.

ENG 356 The Modern Novel: An International Perspective

Readings of works by international authors (European, Asian, Caribbean, Middle Eastern, Latin American). May include works by American authors dealing with issues of ethnicity (such as cultural duality, immigration, race and assimilation). Prerequisite: ENG 103. 3 credits. Offered as needed; day and evenings.

ENG 357 Topics in Literature

Studies in single authors, or groups of authors, or literary or historical periods or schools of critical theory. Topics will vary from semester to semester. Prerequisite: ENG 103. 3 credits. Offered as needed; day and evening.

ENG 358 Studies in Major Authors

In-depth study of the works of a single major author. The author studied will vary from semester to semester. Prerequisite: ENG 103. 3 credits. Offered as needed; day and evening.

ENG 359 Honors Program Seminar

Program will vary each term. Prerequisite: active membership in the Honors Program. 3 credits.

ENG 360 Literature and Interdisciplinary Studies

Study of a body of English or American literature in relation to another discipline such as law, science, medicine, philosophy, economics, art history, psychology. Prerequisite: ENG 103. 3 credits. Offered as needed; day and evening.

ENG 371 English Drama

Major dramas and theatrical landmarks from the miracle, mystery, and morality plays of the medieval period to the present. Prerequisite: ENG 103. 3 credits. Offered as needed.
ENG 372 American Drama

Major dramas and theatrical landmarks from the eighteenth century to the present. Prerequisite: ENG 103. 3 credits.

ENG 373 Continental Drama

Drama from the fifth century B.C. to the present. Prerequisite: ENG 103. 3 credits. Offered as needed.

ENG 374 Irish Drama

An examination of the many plays written in Ireland (or by Irish authors living outside Ireland). Prerequisite: ENG 103. 3 credits. Spring Semester; day and evening.

ENG 375 Literature and the Franciscan Tradition

A selection of works by English, American and continental authors. The styles and themes of these works are examined for their resonance of Franciscan ideals. Prerequisite: ENG 103. 3 credits. Offered as needed; day.

ENG 378 Shakespeare in Production I

A hands-on classical theater appreciation course surveying the practical aspects of classical theater production and stagecraft. Prerequisite: ENG 103. 3 credits. Summer; day.

ENG 379 Shakespeare in Production II

A more advanced study of materials and techniques with a focus on critical analysis of Shakespeare’s development of female character archetypes and the historical/contemporary stage interpretations of them. Prerequisite: ENG 378. 3 credits. Summer; day.

ENG 393 Creative Writing Workshop

A workshop in the practical aspects of writing poetry, fiction, and drama. Topics include the problems of composition, writing for an audience, establishing literary voice, editing and preparing for publication. Prerequisite: ENG 103. 3 credits. Offered as needed.

ENG 394 Creative Writing Workshop II

A workshop for those wishing to continue writing in the workshop format. The discipline of producing work for a publishing career is emphasized. Prerequisite: ENG 393 or permission of the instructor. 3 credits. Offered as needed.

ENG 398 Shakespeare I: Tragedy and Romance

Close reading of representative tragedies and comedies. Prerequisite: ENG 103. 3 credits. Fall Semester; day. Offered as needed in the evening.

ENG 399 Shakespeare II: History and Comedy

Close reading of representative histories and romances. Prerequisite: ENG 103. 3 credits. Spring Semester; day. Offered as needed in the evening.

ENG 450A Seminar: Medieval-Renaissance Literature

An intensive study of three major writers of the English-speaking world during these time periods, whose works are linked by a common theme. Continental and non-literary materials may be included. Prerequisite: Completion of 15 credits (5 courses) in English above ENG 103. 3 credits. Fall Semester; day.

ENG 450B Seminar: Neoclassical-Romantic Literature

An examination of English, American and continental authors (3-5 representative writers) from these periods who have some common theme or motif in their literary output. Sociological and political situations
in England, America and on the Continent may be included. Prerequisite: Completion of 15 credits (5 courses) in English above ENG 103. 3 credits. Offered as needed.

**ENG 499 English Seminar**

A seminar for English majors. Instruction in literary research and in documentary writing, with the senior thesis as the major project of the semester. Prerequisite: 15 credits of English, including ENG 103 and one ENG 450 seminar. 3 credits. Every semester; day.

**ENG 450C Seminar: Victorian-Edwardian Literature**

A study of three major Victorian-Edwardian authors of comedies of manners and other interesting genres. Attention is given to changes in lifestyles as a result of the industrial revolution and the rise of big business. Prerequisite: Completion of 15 credits (5 courses) above ENG 103. 3 credits. Offered as needed.

**ENG 450D Seminar: Modern Literature**

An examination of three modern writers from 1900 to the present who deal with one or more similar aspects of contemporary life. Prerequisite: Completion of 15 credits (5 courses) in English above ENG 103. 3 credits. Spring Semester; day.

* English majors are required to complete ENG 103 and 210 before enrolling in any ENG 200-, 300- or 400-level courses.
Foreign Languages, Fine Arts and International Cultural Studies

Office: Room 612R
Phone: (718) 489-5325

Chairman
Dr. Francis J. Greene

Adjuncts
Alfonso
Atencio
Davis
DelBusto
DiPietro
El Ayouty
Gagliardi
Glover
Kaminski
Louzonis
Rivero
Shea
Skrill
Weiner
Youens

Professors
Forsberg
Garcia
Greene

Assistant Professors
McGowan
Molina

Professor Emerita
Orti

Department Mission

Courses in this department offer unique vantage points from which to view and understand our civilization and those of other times and places. Basic language skills are highly desirable in a wide range of areas including the business world, the transportation and travel industries, social work, all fields of teaching and counseling, social service agencies, government, diplomacy, law enforcement and all of the humanities. A foundation in foreign languages also prepares students for the language requirements of most graduate school degree programs and increases students' chances for admission and for scholarships, fellowships, and assistantships to superior graduate programs.

The mission of our department is to participate in and to contribute to the College's mission by providing, through our various courses, programs and majors, a fundamental and thorough education in the liberal arts and concurrently by correlating the benefits of liberal education with specific major-field studies (e.g., International Cultural Studies).

Through its two courses in the core curriculum (music and art), the department strives to provide a firm anchor for the students' education through a core of liberal education, thus providing the students with some of the prerequisites for living a truly fulfilling existence. While pursuing their separate major programs, students are also exposed to the humanistic values of liberal education, signified in particular by the core curriculum to which the department contributes.

Given its course offerings in foreign languages, the fine arts and international cultural studies, the department also endeavors to contribute substantially in providing a mutually supportive curricular framework for the College's overall response to the educational needs of its multiracial, ethnically varied, urban student body.
Requirements for Department Majors and Minors

Majors in International Cultural Studies—Required Courses and Credits

The major in International Cultural Studies gives the student an awareness and understanding of the cultures and behavior of peoples in the contemporary world. Majors learn how culture impacts upon the pressing problems and issues of today, such as hunger, environment and technology. Gaining an appreciation of their own culture through the study of other peoples, majors also understand the role culture plays in various modes of communication. The ICS major prepares the student for graduate study leading to a master's degree in international studies, as well as for a wide range of career opportunities in the public and private sectors, including multi-national corporations, internationally-oriented firms, banking, various government agencies (including customs), cultural foundations and institutes, as well as courses in foreign affairs. The program includes a study-abroad component, as well as an internship experience. Students choose one of the three concentrations in the major: Latin America and the Caribbean, Western Europe or International Business.

### Concentration in Latin American and Caribbean Studies

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum</td>
<td>42</td>
</tr>
<tr>
<td>Foreign Language (French, Spanish or Italian)—placement determined by department chairman. The 12 credits must all be in the same language. CLEP or other proficiency credit does not meet this requirement</td>
<td>12</td>
</tr>
<tr>
<td>International Cultural Studies 240; 241; 307; 370; 380; 450; 500; and 501</td>
<td>24</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Economics 1201; 2202; 3304</td>
<td>9</td>
</tr>
<tr>
<td>Fine Arts 403</td>
<td>3</td>
</tr>
<tr>
<td>International Cultural Studies 311; 312; 313; 314; 315</td>
<td>15</td>
</tr>
<tr>
<td>Free electives</td>
<td>18</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
<tr>
<td>The satisfactory completion of ICS 501 and a comprehensive examination satisfies the College's Comprehensive Examination/Thesis requirement.</td>
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<tr>
<td><strong>Total credits required</strong></td>
<td><strong>128</strong></td>
</tr>
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</table>

### Concentration in Western European Studies

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum</td>
<td>42</td>
</tr>
<tr>
<td>Foreign Language (French, Spanish, or Italian)—placement determined by department chairman. The 12 credits must all be in the same language. CLEP or other proficiency credit does not meet this requirement</td>
<td>12</td>
</tr>
<tr>
<td>International Cultural Studies 240; 241; 306; 380; 450; 500; and 501</td>
<td>21</td>
</tr>
<tr>
<td>International Cultural Studies 305/Economics 3305; Economics 1201; 2202</td>
<td>9</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts 403; 408; and 409</td>
<td>9</td>
</tr>
<tr>
<td>French 405</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy 432 or ICS 370</td>
<td>3</td>
</tr>
<tr>
<td>International Cultural Studies 315/Spanish 402</td>
<td>3</td>
</tr>
<tr>
<td>Free electives</td>
<td>21</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
</tbody>
</table>
The satisfactory completion of ICS 501 and a comprehensive examination satisfies the College’s Comprehensive Examination/Thesis requirements.

Total credits required ................................................................. 128

Concentration in International Business

Credits

Core curriculum ................................................................. 42
Foreign Language (French, Spanish, or Italian)—placement determined by department chairman. The 12 credits must all be in the same language. CLEP or other proficiency credit does not meet this requirement. ........................................ 12
Accounting 101; Business 101; Economics 1201 and 4403; Finance 301; Human Resources 201; Marketing 201 and 330 ........................................... 25
Information Technology 101 ................................................. 3
Fine Arts 403; International Cultural Studies 240; 241; 380; 450; 500; 501 .................................................. 21
Free electives ........................................................................ 23
Health Science 100A or 100B or Physical Education 100 [A-L] .................................................. 2

The satisfactory completion of ICS 501 and a comprehensive examination satisfies the College’s Comprehensive Examination/Thesis requirements.

Total credits required ................................................................. 128

Major in Spanish—Required Courses and Credits

A major in Spanish is an in-depth study and analysis of the Spanish language, its written form and the knowledge of the literature and culture of the people of Hispanic descent. This major will introduce the student to the Spanish-speaking world from global and multicultural perspectives. Students are expected to have command of the Spanish language and to understand the culture or cultures the language reflects.

A major in Spanish prepares students for various career opportunities in the fields of teaching, bilingual education, interpreting, translation, business, mass media communication, journalism, science and technology and global economy. Students can also pursue a Master’s and Ph.D. degree in Spanish.

Credits

Core Curriculum ................................................................. 42
Spanish 101-102 or Spanish 105 and 115 ........................................ 6 *
Spanish 103-104 ................................................................. 6 *
Spanish 201-202 .................................................................. 6
Spanish 302 or International Cultural Studies 315 ................. 3
Spanish 305 ........................................................................ 3
Spanish 306 ........................................................................ 3
Spanish 308 ........................................................................ 3
Spanish 407 ........................................................................ 3
Spanish 411 ........................................................................ 3
Spanish 414 ........................................................................ 3
Spanish 415 ........................................................................ 3
Spanish 501 ........................................................................ 4
Foreign Language: Choose from French, Italian or Latin. May take all 12 credits in one language or 6 credits in one and 6 in another. No CLEP, NYU, Advanced Placement or other examinations may replace this requirement ........................................... 12
Free electives ........................................................................ 26
Minor in International Cultural Studies—Required Courses and Credits

This minor adds an international dimension to the academic preparation of students seeking employment in an increasingly global economy.

International Cultural Studies 240-241; International Cultural Studies 380 ..................................................6
One from each of the following groups .................................................total of 9
   International Cultural Studies 311; 312; 314; 370
   French 405; Fine Arts 409
   International Cultural Studies 315; Fine Arts 408;
   International Cultural Studies 306
Total credits required ........................................................................15

Minor in Fine Arts—Required Courses and Credits

This minor provides the student with a sound grounding in the visual arts of painting, sculpture, and architecture.

Choose 5 courses from the following:
   Fine Arts 402; Fine Arts 404 or 405; 408; 409; 414; 440
   French 405
   International Cultural Studies 306
Total credits required ........................................................................15

Minor in Foreign Languages—Required Courses and Credits

A minor in foreign languages (French, Spanish or Italian) gives the student a set of foreign language skills (speaking, understanding, reading and writing) that will serve as an excellent supplement to the student's general education and also increase the student's academic credibility when he or she applies for positions in a chosen career.

Minor in French

French 101-102; 103-104; and French 405.
Students with advanced standing in French may substitute more advanced courses for French 101, 102, 103, or 104 as approved by the department chairman.
A maximum of 6 CLEP credits will be accepted toward the Minor in French.
Total credits required ........................................................................15

Minor in Italian

Italian 101-102; 103-104; and Fine Arts 408.
A maximum of 6 CLEP credits will be accepted toward the Minor in Italian.
Total credits required ........................................................................15
Minor in Spanish

Spanish 101-102; 103-104; 201 or 202.

Students with advanced standing in Spanish may substitute more advanced courses from Spanish 105 through Spanish 419 as offered and as approved by the department chairman.

A maximum of 6 CLEP credits will be accepted toward the minor in Spanish.

Total credits required ... 15

French [FRE] Courses

FRE 101-102 Beginning Year French I-II

The attainment of audio-lingual skills. For students who are beginning French and for those who have studied French for no more than two years in high school. Students must take 101 and 102 in order to receive credit. No waivers. 6 credits. Every year; day.

FRE 103-104 Second Year French I-II

The control of elementary audio-lingual skills and their further development; emphasis on developing reading skills. Prerequisite: FRE 101-102 or three years of language reading and conversation in high school or passing a placement test (see chairman). This course is not for native or fluent speakers. 6 credits. Every year; day.

FRE 201-202 Masterpieces of French Literature I-II

Reading and discussion of major works from the medieval period to the twentieth century. These works are read in modern versions of the original language. Prerequisite: FRE 104 or four years high school French or placement by the department chairman. 6 credits. Offered as needed.

FRE 303 Advanced French Conversation

Designed to develop the technique and vocabulary of discussion as a supplement to expression in the areas of experience. Prerequisites: FRE 201 and 202. 3 credits. Offered as needed.

FRE 304 Nineteenth-Century French Literature

A study of the principal authors and literary movements of this period, exclusive of the poets. Prerequisites: FRE 201 and 202. 3 credits. Offered as needed.

FRE 403 Twentieth-Century French Literature

A study of the development of French literature from 1900 to the present. Prerequisites: FRE 201 and 202. 3 credits. Offered as needed.

FRE 405 French Civilization and Culture

The culture and civilization of France is studied in a wide variety of topics including geography, provinces, local traditions, linguistic development, music, art, architecture, cuisine, literature and theater, as well as political, social and economic conditions. Students work on individual topics, presenting the results of their research in oral and written reports. Use of class lectures, field trips, slides, films, and videos. Prerequisite: FA 402. 3 credits. Spring Semester 2005; day.

FRE 408 Eighteenth-Century French Literature

A study of the literature of the eighteenth century as a reflection of the historical, social, and cultural development of France. Prerequisite: FRE 202. 3 credits. Offered as needed.
FRE 410 Studies in French

Liberal arts credit; does not fulfill a language requirement. Conducted entirely in English and dealing with an aspect of French literature or civilization. Specific topic to be announced each semester. 3 credits. Offered as needed.

FRE 500 Independent Study in French

A research and reading project, agreed upon by professor and student, is carried out under the professor's supervision. The student's progress is monitored by regular meetings and reports. Evaluation by means of any of several methods—examinations, written assignments, term paper, oral reports. May be taken only with the approval of Foreign Language Department chairman. 1-3 credits. Every year; day.

Italian [ITA] Courses

ITA 101-102 Beginning Year Italian I-II

An introduction to the Italian language with emphasis on speaking and understanding. Writing skills are developed and readings in Italian are included. Introduction to basic elements of Italian culture. This course is designed for students with no previous knowledge of Italian or with a maximum of two years of high school Italian. No credit will be granted for the course to any student who is fluent in the language or who has had more than two years of high school Italian. Students must take 101 and 102 to receive credit. No waivers. 6 credits. Every year; day.

ITA 103-104 Second Year Italian I-II

The development of elementary audio-lingual skills and their further development; emphasis on developing reading skills. Prerequisite: ITA 101-102 or three years of Italian in high school, or passing a placement test (see chairman). 6 credits. Every year; day.

ITA 201 Reading in Italian Literature and Culture

Reading and discussion of major authors of Italian literature and on topics related to Italian culture. Prerequisite: ITA 103-104 or 3 years high school Italian. 3 credits. Offered as needed.

Latin [LAT] Courses

LAT 101-102 Elementary Latin

An introduction to Latin for those with no previous studies of the language. Emphasis on the building of vocabulary, as well as on declensions of nouns and conjugations of verbs. Practice in translation. Elementary reading exercises. Students must take 101 and 102 to receive credit. No waivers. 6 credits. Every year; day.
Spanish [SPA] Courses

SPA 101-102 Beginning Spanish I-II

A two-semester beginning course in spoken and written Spanish with emphasis on oral expression. Students learn basic language skills while learning about Spanish culture. Oral practice in the classroom combined with a solid foundation of grammar and vocabulary prepare students for advanced training in speaking, listening, reading and writing. For students who are beginning Spanish and for those who have studied Spanish for no more than two years in high school. Bilingual students will not receive credit for these courses. Students must take 101 and 102 to receive credit. No waivers. A placement exam in Spanish is available to students who have taken 3 years of high school Spanish or beyond. 6 credits. Every year; day and evening.

SPA 103-104 Second Year Spanish I-II

The control of elementary audio-lingual skills and their further development; emphasis on developing reading skills. Prerequisite: SPA 101-102 or three years of language reading and conversation in high school or passing a placement test (see chairman). 6 credits. Every year; day.

SPA 105 Spanish for Bilingual Students

An in-depth study of Spanish grammar with emphasis on reading and writing for students proficient in spoken Spanish whose formal education has been in English. Vocabulary and critical thinking are developed through literary and cultural readings and put into practice in class discussions and compositions. 3 credits. Fall Semester; day.

SPA 115 Conversation in Spanish

A conversation course based on every day topics and readings from a wide range of literary and non-literary sources. Prerequisite: SPA 103-104. 3 credits. Spring Semester; day.

SPA 117-118 Basic Conversational Spanish for Teacher Education Students I-II

A course designed for majors in education programs to promote the attainment of audio-lingual skills in the Spanish language; specifically, speaking and understanding the language at a level appropriate for daily conversation in and around the classroom. Bilingual students and those with more than two years of high school Spanish will not receive credit for these courses. They should seek placement in the appropriate advanced Spanish courses by the Foreign Language department chairman or his delegate. 6 credits. Offered as needed.

SPA 119, 120 Spanish for Business I, II

Intended to promote speaking, understanding and reading skills in the Spanish language used in daily communications within the business world. Also an exploration of the cultural practices, customs and traditions of the Latin American business and social world. A comparison will be made with the same practices in the United States. 3 credits. Offered as needed.

SPA 129, 130 Spanish for Medical Personnel I, II

Intended to promote speaking and understanding skills in the Spanish language used in daily communication within the medical field. The Hispanic cultural world will be presented in relation to the medical profession. Practical experience will be gained through classroom exercises. 3 credits. Offered as needed.
SPA 201, 202 Contemporary Readings of Spain and Latin America I, II

Reading and discussion of major works of Spanish and Latin American literature. Prerequisite: SPA 103-104. 3 credits. SPA 201 in Fall; SPA 202 in Spring; day.

SPA 302 Contemporary Spanish Literature from 1898 to Present

A study of the outstanding authors of the twentieth century and their works. Prerequisite: SPA 202. 3 credits. Fall Semester 2003; day.

SPA 305, 306 History of Spanish-American Literature I, II

Selections from principal Spanish-American writers from the sixteenth century to the present. Prerequisite: SPA 104. 3 credits. SPA 305 in Spring 2004; SPA 306 in Fall 2004; day.

SPA 308 Advanced Spanish Conversation

A course to develop the technique and vocabulary of discussion as a supplement to expression in the areas of expertise. Prerequisite: SPA 202. 3 credits. Fall Semester 2003; day.

SPA 402/ICS 315 Spanish Civilization and Culture

A study of the characteristics of Spanish culture based upon anthropological and sociological studies; humanistic and scientific contributions to civilization; reading and reports. Prerequisite: ICS 240 and 241. 3 credits. Fall Semester 2004; day.

SPA 407 Cervantes

An analysis of Cervantes’ works and their importance in the literature of the Siglo de Oro; readings and discussions; reports.

Prerequisite: SPA 201-202. 3 credits. Spring Semester 2004; day.

SPA 411 Latin American Nobel Laureates in Literature

In 1945, Gabriela Mistral, a Chilean poet, was the first Latin American to win the Nobel Laureate for literature. Subsequently, several Latin American authors have been recognized internationally for their literary accomplishments. In this course we will read, listen to and view works of prose, poetry and drama from Latin American Nobel Laureates. 3 credits. Spring Semester 2005; day.

SPA 414 Hispanic Caribbean

A study and analysis of the culture and literature of the Hispanic ethnic groups living in metropolitan New York, the West Coast, South West and South Florida, including Puerto Ricans, Cubans, Dominicans, Mexicans, Central and South Americans. The course will explore their contributions to literature, art, music and film. 3 credits. Fall Semester 2004; day.

SPA 415 Puerto Rican Literature: Ethnicity and National Identity In Poetry, Fiction and Essays

Readings and discussions on the culture and history of Puerto Rico and its development in contemporary times. Topics on the relations between national identity, literature and politics will be presented for discussion. 3 credits. Spring Semester 2005; day.

SPA 417 The Visual Arts in Latin American Culture

A study of Latin American painting and film in relation to the emergence of national identities and values. This course is devoted to the works of some of the most important Latin American artists, writers and directors. 3 credits. Offered as needed.
SPA 419 Travel and Study in Spain, Latin America, or the Caribbean

Offered in conjunction with a trip to Spain, Latin America or the Caribbean conducted by the department. Travel experience is supplemented by lectures before and during the trip. Each student also prepares a research paper on a topic approved by the instructor: (a) Spain and/or Portugal; (b) The Caribbean and/or Central America; and (c) South America. 3 credits. Offered as needed.

SPA 500 Independent Study in Spanish

A research and reading project, agreed upon by professor and student, is carried out under the professor's supervision. The student's progress is monitored by regular meetings and reports. Evaluation by means of any of several methods: examinations, written assignments, term papers, oral reports. May be taken only with the approval of the Foreign Language Department chairman. 1-3 credits. Offered as needed.

SPA 501 Senior Thesis

This thesis course is designed to lead the student through the entire process of preparing a senior thesis on a topic in Spanish culture or language resulting in the completion of a paper of at least 35 pages. The thesis will not be accepted unless correct form is used throughout, following the guidelines of the MLA Handbook. High standards of grammar, punctuation and spelling will apply. The student will choose his/her topic and mentor with the approval of the chair of the department. The student will meet regularly with the mentor throughout the semester. The thesis may be written in either English or Spanish per the agreement of the student, mentor and department chairman. 4 credits. Every semester; day.

Fine Arts [FA] Courses

FA 401 Music of the Western World

A survey of important music and musicians of the Western World from the beginning of the Christian era to the present. Lectures are supplemented by recordings, films, slides, and concerts. 3 credits. Every semester; day and evening.

FA 402 Orientation in Art

A simple approach to the understanding of the plastic arts on a conceptual basis, including within its scope historical and aesthetic materials. 3 credits. Every semester; day and evening.

FA 403 Music of Many Cultures

An introduction to the music of cultures such as those of India, Indonesia, Japan, Europe, and Sub-Saharan Africa. The music of African-Americans and Native Americans also will be studied. Lectures are supplemented by recording, films, slides and concerts. 3 credits. Fall Semester; day. Spring Semester; evening.

FA 404, 405 Introduction to Studio Art

The arts are a resource for enlarging students' experiences beyond their immediate surroundings. Instruction in the arts encourages students to take pleasure in creating and performing in the arts, regardless of previous experience. In this course, students will explore the basic elements and principles of art, such as space, form and color, and use these principles to create original and meaningful pieces of artwork. Prerequisite: FA 402. 3 credits. FA 404 in Fall Semester. FA 405 in Spring Semester; day.

FA 406 Ancient Egyptian Art

A study of Ancient Egyptian architecture, sculpture, painting and crafts from the first
through the twenty-second dynasties. Factors contributing to the art of the Old, Middle and New Kingdoms will be analyzed, including ancient Egyptian geography, history, culture, literature and mythology. Slide lectures, classroom discussions, readings and museum visits will be included. Prerequisite: FA 402. 3 credits. Offered as needed.

**FA 407 Art and Archeology in Latin America**

A survey of the art and archeology of the pre-Colombian civilizations in Mesoamerica and the Andean region in South America. The focus is on four cultures: the Olmec, the Maya, the Aztec and the Inca. The Colonial art of a later period and contemporary art are also studied. Field trips to museums. Prerequisite: FA 402. 3 credits. Offered as needed; day.

**FA 408 Italian Fine Arts**

This survey of art and architecture in Italy since 1200 focuses on major styles and movements as well as on principal figures and personalities in the arts. Outstanding cities that served as centers for artists are also studied. Lectures, slide presentations, films and museum visits. Oral and written reports. Prerequisite: FA 402. 3 credits. Fall Semester 2004; day.

**FA 409 Art and Architecture in England**

An introduction to the major movements, styles and examples of English architecture and painting from the Middle Ages until today. Museum visits supplement class lectures and slide presentations. Prerequisite: FA 402. 3 credits. Spring Semester 2004; day.

**FA 410 Women in the Arts and Sciences (Honors Seminar)**

The liberal arts curriculum familiarizes students with fundamental human concerns. In many disciplines, however, women's contributions (in both traditional and non-traditional forms) have historically been overlooked and underrepresented. This honors seminar enriches the liberal arts curriculum by studying women's contributions in science, the visual arts, music, and literature. We explore how women write about their lives in diaries and letters, memoirs and autobiography, fiction and poetry. Concert and theater attendance, museum visits, guest lectures and student presentations supplement classroom discussion. Prerequisite: FA 402. 3 credits. Offered as needed; day.

**FA 411 Music and Creativity**

This course is open to both the musician and the non-musician. It is designed to introduce the student to the world of music in both theory and experience. The course will provide the student with some of the following experiences: (1) approaches to analyzing the music we listen to; (2) the art of composition; and (3) learning an instrument. Containing discussions on how we, as individuals, perceive music, the course will address the different levels of perceiving music. There will be several concerts throughout the semester that the class will attend together. These live performances, together with a variety of recordings, will provide useful tools for discussion and comparison of the students' own work. Note: Knowledge of reading music is required for this course. Prerequisite: FA 401. 3 credits. Offered as needed; day.

**FA 412 Selected Readings in Honors (Honors Seminar)**

An interdisciplinary seminar course in which a variety of texts (novels, plays, essays and criticism) are read. Emphasis is on eliciting from the students a critical reading of the texts. Seminar discussions, written analysis, oral reports, as well as term papers, are required for participants. Professors from various departments of the College participate. Prerequisite: Honors student. 3 credits. Offered as needed; day.
FA 413 Austrian Culture and Fine Arts

An introduction to the culture and arts of Austria, with particular attention to Vienna. Painting, sculpture, architecture, urban planning and music are examined in historical perspective. Classroom lectures are supplemented by slides, films and museum visits. Prerequisite: FA 402. 3 credits. Offered as needed; day.

FA 414 Art in New York City (Honors Seminar)

This seminar will generally survey contemporary art and the New York area scene. It will help students to discover new artists, to be knowledgeable about different media and to put recent work in historical context. Guest lectures may include working artists, art dealers, curators, arts administrators and collectors. Class meetings may take place off campus at galleries, artist studios and museums. Prerequisite: FA 402. 3 credits. Offered as needed; day.

FA 415 Opera in New York City (Honors Seminar)

This seminar will focus on a group of operatic masterpieces currently performed in New York City Opera Houses by such composers as Monteverdi, Handel, Mozart, Verdi, Wagner, Puccini and Berg. Both the music and the librettos will be studied as we explore the theme “opera as drama.” Classroom discussion and viewing of the operas will be supplemented with student presentations and attendance at two operas. 3 credits. Offered as needed; day.

FA 440 Studies in Architecture: The Building Is the Book (Honors Seminar)

A study of the major architectural movements and monuments in the Western World with a view to developing the student’s ability to read a building in correct architectural terms. Slide presentations, lectures, seminar oral reports, field trips and term paper are required. Prerequisite: Honors Student, FA 402. 3 credits. Fall Semester 2003; day.

International Cultural Studies [ICS] Courses

ICS 240 Peoples and Cultures of the Contemporary World I

Examines the interaction between societies’ political-economic structures and their cultural value systems and the process of social change at both the political-economic and cultural levels. Examines, within a global framework, selected predominantly non-Western societies, with particular attention to Asia and Africa. 3 credits. Fall Semester; day.

ICS 241 People and Cultures of the Contemporary World II

Examines the history and culture of the peoples of Western Europe, with special reference to Britain, Germany, Spain, Italy and Portugal. Students are introduced to some of the contemporary issues facing these societies in the economic, social, and cultural spheres. Also, a study of the structure of cultures of Latin American communities in relation to contemporary political and social developments. 3 credits. Spring Semester; day.

ICS 305/ECO 3305 European Economies

A study of the European Union, the economies in transition of Eastern Europe and the Balkans. Particular emphasis will be placed on the question of nationalism and the issues confronting multinational states in Europe today. Prerequisite: ECO 1201. 3 credits. Spring Semester; day.
ICS 306 German Culture and Fine Arts (Honors Seminar)

A study of German cultural history with a focus on architecture, painting, literature and music. Classroom lectures are supplemented by slides, films, recordings, concerts and museum visits. 3 credits. Offered as needed; day.

ICS 307/SOC 307 Caribbean Culture and Society

The societies of the English-, French- and Dutch-speaking Caribbean are the outcome of mass movements of population through slavery, indenture and migration. This course examines important aspects of the complex cultural variants that have resulted against the background of the economic, social and political forces that produced them: cultural communities from Africa and Europe, patterns of race and ethnic relations, forms of cultural expression, the family and class structures. Another focus is on issues that form contemporary Caribbean society, such as the impact of tourism, poverty, emigration, links with America and Europe, problems of ethnic and racial identity and pressures on women and the family. Students develop an appreciation of Caribbean culture, of the challenges facing Caribbean societies and the cultural resources available to meet them. Prerequisite: SOC 203. 3 credits. Spring Semester; day.

ICS 312 Hispanic Caribbean Cultures and Literature

A study of the characteristics of the cultures and literature of the three largest Hispanic ethnic groups of Metropolitan New York: Puerto Ricans, Cubans and Dominicans and their literary humanistic contributions to the present United States; comparisons with Mexican-American literature. Prerequisite: ICS 240 and 241. 3 credits. Spring Semester 2005; day.

ICS 313 Origins and Development of Liberation in Latin America

This course examines concepts of freedom and liberation in various movements of rebellion among the Creoles and Indians, as well as the dynamics of revolution in Mexico, Cuba and Nicaragua. Discussion of the impact of liberation theology and of the role of United States power in America and the world. Prerequisite: ICS 240 and 241. 3 credits. Spring Semester 2005; day.

ICS 314 Puerto Rican Culture and Civilization

Readings and discussion of contemporary issues on Puerto Rico, covering a broad range of topics in Puerto Rican culture and civilization from colonial times to the present. Prerequisite: ICS 240 and 241. 3 credits. Spring Semester 2004; day.

ICS 315/SPA 402 Spanish Civilization and Culture

A study of the characteristics of Spanish culture based upon anthropological and sociological studies; humanistic and scientific contributions to civilization; reading and reports. Prerequisite: ICS 240 and 241. 3 credits. Fall Semester 2004; day.
ICS 320 World Globalization: Challenges and Opportunities (Honors Program Seminar)

An introduction to the concept of globalization as well as an in-depth analysis of the issues raised and the challenges posed by this process. Each student will work on a project and report, drawing from the different majors and disciplines represented by the students in the seminar. An interdisciplinary approach will be followed throughout the semester. 3 credits. Offered as needed; day.

ICS 330 The United Nations at Work: A Political and Cultural Perspective (Honors Program Seminar)

An introduction to, and in-depth analysis of the United Nations—its structure and its day-to-day functioning. Cultural dimensions of the U.N.'s work will be examined, as well as political dimensions. This interdisciplinary seminar will give each student the opportunity to study and to report upon a different aspect of the United Nations. Topics may be chosen in accordance with the individual student's interest or major program. 3 credits. Offered as needed; day.

ICS 340 Seminar in International Cultural Studies: Terrorism and the Law (Honors Seminar)

An interdisciplinary approach will be taken to the development of a global perspective on issues and challenges facing Third-World nations. Course methodologies will include assigned readings, lectures, conferences, field trips, student presentations and a term paper. Open to majors from all departments. 3 credits. Fall Semester 2003; day.

ICS 370 Cultural Anthropology

This course analyzes the role of human rights and their violation in contemporary societies in Europe, Africa, Asia and the Americas. 3 credits. Offered as needed.

ICS 380/PSY 380 Cross-Cultural Psychology and Communications

An introduction to the theories, methods and findings of cross-cultural psychology, with special attention given to communication and encounters between members of different cultures. Socialization, moral and personality development, gender roles, abnormal behavior, belief systems, culture contact, culture change and problems of identity in and across societies are considered. Prerequisites: ICS 240 and 241 or two PSY courses. 3 credits. Spring Semester 2005; day.

ICS 450 Study Abroad

Structured opportunity for travel and study abroad. Choice of country and details of program to be approved by and arranged through department chairman. Prerequisite: ICS 240 and 241. 3 credits. Every semester; day.

ICS 500 Internship in International Cultural Studies

Students with significant achievement in the major may be granted by the ICS department chairman permission to serve as an intern in ICS. Assignments to internships depend on the availability of suitable internships. The student keeps a log of daily work activity and reports regularly to the chairman throughout the internship. Supervision by a member of the department. Prerequisite: Permission of department chairman. Prerequisites: ICS 240 and ICS 241. 1-3 credits. Every semester; day.

ICS 501 Senior Thesis

The preparation and presentation of a senior thesis in International Cultural Studies under the direction of a mentor chosen from the ICS faculty and approved by the chairman. Regular meetings with the mentor are required throughout the semester in accordance with the schedule distributed by the department chairman. Prerequisite: ICS 240-241. 3 credits. Every semester; day.
Honors

Office: Room 609R
Phone: (718) 489-5217

Program Mission

The St. Francis College Honors Program seeks to form a community of scholars among its students and faculty. Aware of the complexities of the global community, we hold interdisciplinary liberal studies to serve as the focus of the program’s seminar conversations. Drawing on the wealth of the Franciscan tradition, we look, spiritually, to strengthen our students’ sense of values; intellectually, to enlarge their ground of academic concern and inquiry; and individually, to build character, thus contributing to the larger academic, business and service communities where the students will carry on the goal of lifelong learning.

Goals and Objectives

To read and analyze primary sources.

To engage in active seminar discussions.

To conduct original research or offer a fresh view to traditional ideas.

To take advantage of cultural resources in the metropolitan area.

To become aware of the interconnectedness of knowledge.

To gain experience in oral presentation.

To develop written essays and reports which are controlled, elegant and imaginative.

The Honors Program offers a student the opportunity to study and research topics of interdisciplinary concern and personal interest while earning an Honors Program Scholar diploma upon graduation. The Program requires the student to enroll in a three-credit Honors Program course for each of six semesters beginning the first year of study. In addition to the eighteen credit hours of seminar work, an Honors Program student must enroll in an advanced research techniques seminar during the sixth semester. The seminar will assist the student in preparing a proposal and an annotated bibliography for the honors thesis he/she will write in the seventh and eighth semesters.

Independent research and self-motivated study are combined in the Program seminars. Brief essays, oral presentations and longer research projects form the basis for grades in the seminars. Formal testing is not used, nor allowed, in the Program so that students might engage more thoroughly in seminar conversations. Required field trips, cultural and social activities are integrated into seminars and into the general structure of the Honors Program.

A course description booklet for the next two years of seminar offerings is available so that students might sketch out a proposed program of study in consultation with a faculty member of the Honors Council. Students may obtain a copy in the Honors Program Director’s office.
Qualified students are invited to apply for admission into the Program upon acceptance to the College. Transfer students and upperclassmen may apply to the Program by requesting an application from the Honors Program Director. Students interested in more information about the Honors Program may speak with the Director of the Program and obtain a copy of the current Student Handbook.

Program Director and Honors Council

Director
Br. Edward Wesley, OSF, Ph.D.

Honors Council

Suzanne Forsberg, Ph.D.
Uwe Gielen, Ph.D.
Ellen Glascock, Ph.D.
Francis Greene, Ph.D.
Dean Lucille Hicks
Michele Hirsch, Ph.D.
Arnold Sparr, Ph.D.
Evelyn Wolfe, Ph.D.

Honors [HON] Courses

HON 5101, 5102 Honors Freshman Seminar

Student conversation and ideas are engaged in interdisciplinary concerns that are the broad focus of honors seminars. A careful approach to research, rhetoric, writing and dialogue is incorporated into the course materials selected from the humanities, social sciences, science, business and technology. As in all Honors Program courses, no tests are given, therefore grades are based on written discourse, research and conversation. Field trips are required. Prerequisite: application and acceptance into the Honors Program. 3 credits. HON 5101, Fall Semester, day; HON 5102, Spring Semester, day.

HON 5995 Independent Study

A reading- and research-based activity anchored to a cooperating professor's course, an Honors Program colloquium, or by previous arrangement to another audience, in which an Honors Program student pursues a topic or interest presented in a prospectus offering an interdisciplinary embrace of the subject. Suitable meeting arrangements and a calendar of dates for reporting on the project are necessary before submitting the prospectus for approval to the Director of the Honors Program. Pre-requisites: Students should have completed two seminars above HON 5101 and 5102. In all cases independent study must be requested during the registration period prior to the semester in which the course is to be taken. 1-3 Credits. Offered as needed.
Department Mission

This program provides a sound foundation for graduate study in philosophy and for training in any field that demands developed analytical skills, such as law, medicine or theology. It aims to impart that habit of mind that is critical, because it is self-critical, of claims made on behalf of all kinds of belief to be definitive versions of the truth.

Nine credits in philosophy are part of the Core Curriculum. These required courses in philosophy constitute a program whose purpose is to make available to students conceptual instruments and sources with which to begin to effect for themselves the structuring of their intellectual experiences. Only insofar as the student achieves this has the College succeeded in attaining its primary aim as a liberal arts college: the formation of minds capable of responsible intellectual self-determination.

Philosophy courses are sequenced according to the following order. Courses numbered between 101 and 199 are entry-level courses. One of these courses must be taken to fulfill the core requirement in philosophy at St. Francis College. These classes have no prerequisite. Courses numbered between 200 and 299 are second-level courses. One of these courses must be taken to fulfill the core requirement in philosophy at St. Francis College. The prerequisite for these courses is any course carrying a number between 100 and 199. Courses numbered between 300 and 499 are upper-level courses. One of these courses must be taken to fulfill the core requirement in philosophy at St. Francis College. The prerequisite for these courses is any course carrying a number between 100 and 199 and any course carrying a number between 200 and 299. There are no prerequisites for persons who are not matriculated for a degree at St. Francis College.
Requirements for Department Majors and Minors

Major in Philosophy—Required Courses and Credits

<table>
<thead>
<tr>
<th>Course/Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Curriculum</td>
<td>33</td>
</tr>
<tr>
<td>Philosophy 101 or 114 and 201 or 203</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy 327; 333; 403; 404; 431; 432; 441; 442</td>
<td>24</td>
</tr>
<tr>
<td>Philosophy electives</td>
<td>9</td>
</tr>
<tr>
<td>History 1101 and 1102</td>
<td>6</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics or Natural Science</td>
<td>6*</td>
</tr>
<tr>
<td>Free electives</td>
<td>36</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
</tbody>
</table>

Total credits required: 128

* If mathematics is used to satisfy the Core Curriculum requirement, then natural science must be selected, and vice versa.

Philosophy majors will be given an oral comprehensive examination in their last semester before graduation. Two weeks prior to the examination, the student will submit to the department, in writing, a list of all philosophy courses taken at St. Francis College, along with a designation of a particular area, course or philosopher that he/she would like examination questions to emphasize. However, students must also expect to be questioned on their philo-
sophic education as a whole. Full-time professors, as well as any adjunct professor who wishes, will take part in administering this examination.

Minor in Philosophy—Required Courses and Credits

The minor in Philosophy is intended for students who have the desire to increase their familiarity with and command of the issues and literature of Philosophy. The required courses for the minor are scheduled so as to be available to all students, whether attending classes primarily in the day or in the evening. The minor consists of twelve (12) credits in Philosophy in addition to the nine (9) credits taken to satisfy the core requirement in Philosophy for a total of twenty one (21) credits. The above twelve credits are to be distributed in the following manner.

<table>
<thead>
<tr>
<th>Course/Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two courses from Philosophy 431; 432; 441; 442</td>
<td>6</td>
</tr>
<tr>
<td>Two courses from Philosophy 310; 315; 316; 320; 327; 333; 340; 341; 369; 403; 404; 501; 502</td>
<td>6</td>
</tr>
<tr>
<td>Total credits required</td>
<td>12</td>
</tr>
</tbody>
</table>
Philosophy [PHI] Courses

PHI 101 Basic Problems in Philosophy
An examination at a strictly introductory level of the character of philosophical questioning. Instances chosen for treatment are from the several areas of philosophy such as ethics, epistemology and metaphysics, and they are studied in the context of brief selections from the writings of philosophers from antiquity to the present. 3 credits. Every semester; day and evening.

PHI 114 Reasoning and Argumentation
An introduction to logic and critical thinking. Emphasis is on the identification of arguments and the assessment of their validity. The course includes the analysis of terms, propositions, arguments and their linguistic contexts; common fallacies; the structure of deductive and inductive arguments. 3 credits. Every semester; day and evening.

PHI 201 Theories of Human Nature
An inquiry into human nature by means of the analysis of fundamental philosophical issues such as mind and body, death and immortality, perception and conception, reason and emotion, freedom and determinism, as they appear in writings of philosophers from antiquity to the present. Prerequisite: PHI 101 or PHI 114. 3 credits. Fall Semester; day. Spring Semester; evening.

PHI 203 Theories of Knowledge
An inquiry into the nature of knowledge by means of an examination of such explanations of knowledge as empiricism, idealism, skepticism, pragmatism and realism (in its various versions). Readings of philosophers from antiquity to the present. Prerequisite: PHI 101 or PHI 114. 3 credits. Fall Semester; day and evening. Spring Semester; day.

PHI 308/REL 308 Introduction to Jewish Thought
The Western tradition can be viewed as the encounter of two seemingly irreconcilable ways of understanding the world: philosophy and faith. The former relies on the autonomous exercise of the speculative mind; the latter trusts revelation as the ultimate source of authority and truth. This course examines the Jewish philosophical tradition in light of philosophy and faith and explores whether or not the two are indeed irreconcilable. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 310 American Philosophy
Distinctive characteristics of American philosophic thought analyzed and discussed; attention given to the thought of Edwards, Emerson, Royce, Santayana, Peirce, James, Mead and Dewey. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 312 Women in Philosophy
A study of several major women philosophers from the Middle Ages through the twentieth century; an analysis of representative texts. The course will include a reflection on the meaning of women in philosophy and address the question of whether general lessons can be drawn from the study of the figures examined. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 315 Philosophy of History
An inquiry into the intelligibility of history and an examination of the character of historical knowledge. Topics include historical change, cyclical and directional theories of history, the idea of progress, historical explanation and historicism. Attention will be given to some of the texts of the following: Thucydides, Aristotle, Polybius, St. Augustine, Vico, Kant, Comte, Hegel, Marx, Burckhardt, Ranke, Nietzsche, Heidegger.
Raymond Aron and Isaiah Berlin. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 316 Philosophy of Art
The course examines the nature of art and the character of our experience of art. It deals with such issues as the concept of beauty, imagination and taste; the role of imitation, representation and expression; style; the relation of works of art to knowledge and truth; the meaning of symbol and metaphor; the nature of narrative and genre; the philosophical status of works of art; the emotional responses to art. The course concentrates on the texts of selected major figures in the history of philosophy from Plato to Hans Urs von Balthasar. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 326 Philosophy of Science
An examination of the epistemological and ontological requirements of natural science. This examination is carried out by means of a consideration of the idea of science in Greek philosophy, the emergence of modern natural science in the seventeenth century, logical positivism's account of natural science and the recent criticisms of the logical positivist account. Readings from ancient, modern and contemporary sources. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 327 Metaphysics
An inquiry into the problem of being and into the concepts in terms of which it has been elucidated; the possibility of this question. Readings from ancient, medieval, modern and contemporary philosophers. Prerequisite: PHI 201 or 203. 3 credits. Fall Semester 2003; day.

PHI 333 Philosophical Theology
An examination of the main themes in Western philosophical considerations of the existence and nature of God. Classical sources, Christian influences and modern treatments. Prerequisite: PHI 201 or 203. 3 credits. Spring Semester 2004; day.

PHI 340 Special Problems in Ethics
Examination of selected contemporary and traditional ethical problems, such as abortion, sex education, euthanasia, censorship, war and capital punishment; some study of the presuppositions, instruments and procedures of ethical analysis will be involved. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 341 Philosophy of Law
An inquiry into the nature of law through a study of different explanations of what law is. This course addresses itself to the issues that have been raised concerning the connection of law to justice and of legality to morality. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 342/BUS 342 Philosophy of Business Ethics
An introduction to the philosophical questions and theories associated with business ethics, with discussions based on the study of sample actual business cases. Topics include: applying moral philosophy to business ethics, social responsibility, organizational culture and ethical decision making, development of an effective ethics program and business ethics in a global economy. Prerequisite: PHI 201 or 203. 3 credits. Every semester; day.

PHI 354/REL 354 The Holocaust and Forgiveness: Looking in the Abyss
Forgiveness is not a theoretical attitude—it is a decision that one must make. However one ultimately decides, in order to make this decision in a properly informed way, it is necessary to reflect on the evil against which the possibility of forgiveness is to be measured, and what—if anything—would constitute repentance for such an evil. This course will examine the efforts to address these matters with respect to the Holocaust.
Among the questions to be considered are: What was the evil of Nazism? Why does it remain a source of fascination? Is it possible for Germany to repent of its past? Is forgiveness possible after Auschwitz? 3 credits. Offered as needed; day.

**PHI 403 Moral Philosophy**

An examination of the basic questions of moral philosophy and the positions taken up in response to them with particular attention to the question of the relationship between a given ethic and its corresponding conceptions of man and being. Readings of philosophers from antiquity to the present. Prerequisite: PHI 201 or 203. 3 credits. Fall Semester; day and evening. Spring Semester; day.

**PHI 404 Political Philosophy**

A study of the fundamental concepts and problems of political philosophy. Examination of such topics as the city, regime, state and civil society, force, power, law, authority, right and freedom. Selected readings from major political philosophers. Prerequisite: PHI 201 or 203. 3 credits. Fall Semester; day. Spring Semester; day and evening.

**PHI 415 Introduction to the Law**

This course is for students interested in understanding the basis for law and legal systems. In addition to dealing with the philosophical framework of the law, the course will provide an introduction into how the legal system operates in the United States. The course will be taught by Professor Frank J. Macchirola, President of the College and a professor in the political science and philosophy, and Dr. John Doherty, an attorney in private practice in New York City. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed.

**PHI 431 Greek Philosophy**

The major figures and issues in Classical philosophy from the Presocratics to Neoplatonism, with particular emphasis on Plato and Aristotle. Analysis of representative texts. Prerequisite: PHI 201 or PHI 203. 3 credits. Fall Semester 2003; day.

**PHI 432 Medieval Philosophy**

Close examination and analysis of representative texts of major figures from Christian, Arabic and Jewish traditions; particular attention to the question of the relation between philosophical inquiry and religious beliefs. Prerequisite: PHI 201 or 203. 3 credits. Spring Semester 2004; day.

**PHI 441 Modern Philosophy**

European philosophy from the sixteenth through the mid-nineteenth centuries. The canonical figures and issues in modern philosophy from Bacon and Descartes through Hegel. The emphasis in this course is on epistemological, logical and metaphysical issues. Analysis of representative texts. Prerequisite: PHI 201 or PHI 203. 3 credits. Fall Semester 2003; day.

**PHI 442 Twentieth-Century Philosophy**

A survey of the major figures and movements in twentieth-century philosophy, such as existentialism, phenomenology, logical positivism, ordinary language analysis and postmodernism. Prerequisite: PHI 201 or 203. 3 credits. Spring Semester 2004; day.

**PHI 443 Neoplatonism**

An examination of the philosophical movement, beginning with Plotinus, and of its influence on Western philosophy, mysticism and literature. The foundation of the course will be laid with a study of Plotinus's philosophy, in its triple dimension—as a reading of Plato, as a metaphysical system and as a religious path. The Neoplatonic vein will then be traced through medieval philosophy in the
Christian, Jewish and Islamic worlds; connections with Indian thought will also be considered. Particular attention will be paid to the revival of Neoplatonism in Renaissance philosophy. The continuing life of Neoplatonic themes in modern philosophy and literature will finally be brought to light. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

PHI 443 Philosophy and the Moving Image

Throughout history, philosophy has attempted to address a number of questions: Why are we here? What type of beings are we? Is there a purpose to the lives we lead? What is the nature of evil? How can we live moral, purposeful lives — and is it necessary for us even to attempt to do so? With the invention of “moving pictures,” these philosophical questions began to be addressed within the context of commercial films and, later, television, raising the possibility that the very nature of these questions becomes altered through the lens of the moving image. In this course, we will combine philosophical readings with the viewing of films and television programs in an attempt to address the question, “Has the moving image changed the way we think?” Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.
Religious Studies

Office: Room 614R  
Phone: (718) 489-5235

Chairman  
Dr. K. Priscilla Pedersen

Professors  
Largo  
Udoff

Adjuncts  
Breiner  
Brown  
Egler  
Hartling  
Mosher

Associate Professor  
Pedersen

Department Mission

The academic field of Religious Studies takes as its object of study all aspects of the different religions of humanity. It is a multi-disciplinary field using a variety of methods and approaches. Religious Studies is an excellent preparation not only for graduate work in religious studies, theology or religious ministry, but also for graduate studies and professional work in history, literature, philosophy, art and social science as well as political science, international affairs and law.

At St. Francis College, Religious Studies aims to enable students to understand and appreciate the religious beliefs and practices of all peoples in cultural and historical perspectives and to offer to each student the means to a disciplined reflection on the life of religious faith. This is done through: the core curriculum course required of all students, electives open to all students and the major and minor in Religious Studies.

Requirements for Department Majors and Minors

Major in Religious Studies—Required Courses and Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Curriculum exclusive of Religious Studies</td>
<td>39</td>
</tr>
<tr>
<td>Religious Studies 101</td>
<td>3</td>
</tr>
<tr>
<td>Religious Studies 202 or 203</td>
<td>3</td>
</tr>
<tr>
<td>Religious Studies 204 or 205</td>
<td>3</td>
</tr>
<tr>
<td>Two courses from the following</td>
<td>total of 6</td>
</tr>
<tr>
<td>Religious Studies 212; 245; 251 or 252</td>
<td></td>
</tr>
<tr>
<td>Religious Studies 300-Level; Religious Studies 301; 400; 401</td>
<td>12</td>
</tr>
<tr>
<td>Religious Studies Electives</td>
<td>9</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>12 credits or equivalent ability in one language</td>
</tr>
<tr>
<td>Any combination relevant to student's major program of History and Political Science, International Cultural Studies, Sociology and Psychology</td>
<td>12</td>
</tr>
<tr>
<td>Free electives</td>
<td>27</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>128</strong></td>
</tr>
</tbody>
</table>
Minor in Religious Studies—Required Courses and Credits

The minor consists of three required courses and three elective religious studies courses for a total of 18 credits.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religious Studies 101</td>
<td>3</td>
</tr>
<tr>
<td>Religious Studies 202 or 203</td>
<td>3</td>
</tr>
<tr>
<td>Religious Studies 204 or 205</td>
<td>3</td>
</tr>
<tr>
<td>Any other Religious Studies courses</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Religious Studies [REL] Courses

The core curriculum requirement in Religious Studies is satisfied by completing one of the following courses: REL 101 or any 200-level course.

**REL 101 Survey of World Religions**

An introduction to the beliefs and practices of the world’s religions, including the traditions of indigenous peoples, the religions originating in India (Hinduism, Buddhism, Jainism, Sikhism), in China and Japan (Confucianism, Taoism, Shinjitsu) and the Abrahamic religions (Judaism, Christianity, Islam). 3 credits. Every semester; day. Offered in the evening, Spring Semester 2004.

**REL 202 Central Themes of the Old Testament**

A study of representative selections from the Pentateuch (the five books of Moses) as well as the historical, wisdom and prophetic literature of the Old Testament. Literary and historical criticism are used to gain understanding of basic elements of Hebrew biblical faith and practice. Problems and methods of the interpretation of scripture are explored. 3 credits. Fall Semester; day.

**REL 203 Central Themes of the New Testament**

A study of representative selections from the different types of literature found in the New Testament. Literary and historical criticism are used to gain understanding of basic elements of the faith and practice of the earliest Christians. The Synoptic Gospels, the Johannine literature, the letters of Paul and the book of Acts are emphasized. Problems and methods of the interpretation of scripture are explored. 3 credits. Spring Semester; day. Offered in the evening, Spring Semester 2005.

**REL 204 Contemporary Moral Issues**

Study of moral issues that are of current importance and Christian ethics on these issues. Selected topics include abortion, new reproductive technologies, genetic research, physician-assisted suicide and euthanasia, the death penalty, sexual ethics, race, war and nonviolence and the environment. Student participation, analysis, and discussion. Prerequisite: Sophomore standing. 3 credits. Every semester; day. Offered in the evening, Spring Semester 2005.

**REL 205 Moral Values and Health Issues**

A study of important moral issues which arise in the practice of the health professions. These include abortion, genetic research, physician-assisted suicide and euthanasia, transplant and sale of organs and ethical aspects of the doctor-patient relationship. Allocation of resources for health care and the role and ethical nature of the health professions within society as a whole are considered. 3 credits. Fall Semester; evening.
REL 212 The Christian Tradition

A historical introduction to Christianity, from Christian beginnings through the Middle Ages and the Protestant Reformation to Christianity in the modern world, covering major doctrinal and historical developments. 3 credits. Every semester; day.

REL 220 Catholic Theology

An introduction to Roman Catholic theology, including sources of the tradition and recent history. The course will give attention to the early Church and important figures of the tradition including St. Augustine, St. Thomas Aquinas and others. It will also cover teachings of modern Popes, the Second Vatican Council, the new Catechism and major Catholic theologians of the twentieth century, examining basic themes and the Church’s response to critical contemporary issues. 3 credits. Fall Semester; day.

REL 234 The American Religious Experience

An inquiry into the mutual interaction of religion and culture in American society, including aspects of Catholicism, Protestantism and Judaism. Attention is also given to distinctly American forms of religion, including the Black churches, Native American religions, sectarian movements and American religious pluralism. 3 credits. Offered as needed; day.

REL 245 Judaism

An introduction to Judaism concentrating on the teachings (including creation, revelation and redemption), values, customs, rituals and liturgy that define it as a religion, as well as the texts (Torah, Talmud) and institutions (Yeshiva, Synagogue) in which they are preserved and the role played by historical circumstances in shaping them. In addition, attention will be paid to major Jewish movements (Orthodox, Hasidic, Conservative and Reform). 3 credits. Offered as needed; day.

REL 246 Islam

An introduction to Islam taught in historical perspective from the life of the Prophet Muhammad, the Qur’an and Traditions, early leadership and the expansion of Islam, Shi’ite Islam, Sufism and Islam in Asia, Africa and the Americas. Attention will be given to the Islamic movement and its impact on international affairs as well as other contemporary issues. 3 credits. Offered as needed; day.

REL 251 Religions of Africa and the African Diaspora

A study of the religions of African peoples and peoples of African origin. These include major themes of traditional African religions and studies of selected African cultures and the history and influence of Islam and Christianity in Africa. The course also deals with forms taken by African religions in the Americas, including African-American Islam and African-American Christianity. 3 credits. Offered as needed; day.

REL 252 Religions of Asia

An introduction taught in historical perspective of the religions of South Asia and East Asia. These include Hinduism, Buddhism, Jainism and Sikhism in India and Confucianism, Taoism and Shinto in China and Japan. The course will deal with the major concepts and practices of these traditions as well as modern developments, including the rise of new religious movements. 3 credits. Offered as needed; day.

REL 300 Special Topics in Religious Studies

In-depth study of special topics to be announced. 3 credits. Offered as needed; day.

REL 308/PHI 308 Introduction to Jewish Thought

The Western tradition can be viewed as the encounter of two seemingly irreconcilable ways of understanding the world: philosophy
and faith. The former relies on the autonomous exercise of the speculative mind; the latter trusts revelation as the ultimate source of authority and truth. This course examines the Jewish philosophical tradition in light of philosophy and faith and explores whether or not the two are indeed irreconcilable. Prerequisite: PHI 201 or 203. 3 credits. Offered as needed; day.

REL 309 The Environmental Crisis and the World’s Religions

Students in this seminar will explore the response of the world’s religious traditions to the crisis of the environment, including the destruction and pollution of the natural world, the extinction of species and the over-consumption of resources. First, what do religions have to say about the value of nature and non-human living beings and the ethics of human actions affecting nature? Second, what are religious communities actually doing today to solve environmental problems? The seminar will consider Judaism, Christianity, Islam, the religions of India, China and Japan and Native American as well as other indigenous religious traditions. Open only to Honors Program scholars. 3 credits. Offered as needed; day.

REL 350/SCI 350 Religion and Science: History, Method, Dialogue

An interdisciplinary team-taught Honors Seminar that explores the dialogue that is occurring between scientists and theologians. It examines the historical context of the methods of inquiry used in the sciences and those used in religion and the similarities and differences between them. Included are varied case studies where scientists and theologians are engaged in dialogue. Open only to Honors Program scholars. 3 credits. Offered as needed; day.

REL 351 Christian Ethics: An Honors Seminar

Students in this seminar will study key works of important recent and contemporary Christian theologians in the field of ethics in the Roman Catholic, Protestant and Orthodox Christian traditions. The course will focus on the method and central concerns of each theologian. Such questions as: how do we arrive at moral judgments? What ethical questions are most important in the Christian moral life? The roles of scripture, tradition, reason and experience in theological ethics will shape the inquiry. The course will attempt to assess the contribution of each author studied to Christian ethics. Open only to Honors Program scholars. 3 credits. Offered as needed; day.

REL 352, 353/PSY 352, 353 Images of Human Nature in Western, Indigenous and Eastern Cultures: An Interdisciplinary Honors Seminar I, II

Students in this seminar are exposed to conceptions of human nature as they have existed in Eastern and Western cultures. The seminar focuses both upon universal aspects of human experience and on unique historical and cultural conceptions of human identity. These conceptions may be expressed in art, myths, literature, sacred books, philosophical or political treatises, etc., and are in various ways reflected in day-to-day living. The seminar is team-taught, stresses broad interdisciplinary perspectives and emphasizes original readings. Visits to plays, operas, movies and museums form an integral part of the seminar. Open only to Honors Program scholars. 3 credits per semester. Offered as needed; day.

REL 354/PHI 354 The Holocaust and Forgiveness: Looking in the Abyss

Forgiveness is not a theoretical attitude—it is a decision that one must make. However one ultimately decides, in order to make this decision in a properly informed way, it is necessary to reflect on the evil against which the possibility of forgiveness is to be measured, and what—if anything—would constitute repentance for such an evil. This course will examine the efforts to address these matters with respect to the Holocaust.
Among the questions to be considered are: What was the evil of Nazism? Why does it remain a source of fascination? Is it possible for Germany to repent of its past? Is forgiveness possible after Auschwitz? 3 credits. Offered as needed; day.

REL 375 Approaches to the Study of Religion

A study of the main methods of the modern study of religion including the history of religions, sociology, psychology and philosophical and theological approaches. The study will be conducted through reading the writings of major scholars of religion. The course will be taught in seminar format. 3 credits. Offered as needed; day.

REL 400 Seminar

The course deals intensively in seminar format with specific subjects that will be announced. May be taken more than once. 3 credits. Offered as needed; day.

REL 401 Independent Study

Directed research in a topic in religious studies selected by the student. Open to qualified juniors and seniors who have completed at least three courses (9 credit hours) in religious studies. Prerequisite: Written permission of the department chairman. May be taken more than once. 1-3 credits. Offered as needed; day.
DIVISION OF SOCIAL SCIENCES

The Division is responsible for educating all students in the basic principles of the social sciences. Through theoretical and empirical study, students learn about the institutions, relationships and ideas involved in life. An understanding of society and of their own places within it is expected to enhance not only their future careers, but also their ability to participate in and contribute to the society of which they are a part.

Departments:
  Economics
  Education
  History, Political Science and Social Studies
  Psychology
  Sociology and Criminal Justice
Economics

Office: Room 205A
Phone: (718) 489-5266

Chairman
Dr. Paddy Quick

Professor
Quick

Assistant Professor
Tabrizi

Adjuncts
Clement
Cook
Huato
Jo
Kalmans
Poma

Department Mission

The economics major opens the door to a wide range of careers in business, finance and public policy. Economics majors enjoy the benefits of a broad liberal arts education, allowing students the flexibility needed to advance in today’s rapidly changing job market. In addition, students have the opportunity for more specialized training in finance, international economics or public policy. Economics is also an appropriate major for students interested in pursuing graduate studies, not only in economics but also in business, law and public administration.

Goals and Objectives

To provide students with a solid understanding of the principles of economics and the ability to apply these principles to real-world situations.

To enable students to understand their own roles in the domestic and international economy and the social responsibilities that these roles entail.

To familiarize students with the magnitude of current economic variables and develop their ability to interpret economic statistics.

To make students aware of the role that different economic theories and different economic interests play in disagreements over economic policy.

Requirements for Department Majors and Minors

Major in Economics—Required Courses and Credits

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum, including Mathematics 109 and 110</td>
<td>42</td>
</tr>
<tr>
<td>A six-credit or eight-credit sequence in Accounting, Information Technology, Management or International Cultural Studies 240 and 241</td>
<td>6-8</td>
</tr>
<tr>
<td>A six-credit sequence in Foreign Languages, History, Political Science or Sociology; or a combination of one course from Political Science 1304, 1306 or 2309 and one course from Sociology 301, 312 or 408</td>
<td>6</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 301</td>
<td>3</td>
</tr>
</tbody>
</table>
Political Science 2404 .......................................................................................................................... 3
Economics 1201; 2202; 2306; 3313; 4406; 4998 .................................................................................. 18
Six Economics electives ...................................................................................................................... 18
Free electives ..................................................................................................................................... 25-27 a
Health Science 100A or 100B or Physical Education 100 [A-L] .......................................................... 2
The successful completion of ECO 4998 satisfies the College's Comprehensive Examination/Thesis requirement.

Total credits required .......................................................................................................................... 128

* Students who receive 8 credits in Accounting will have only 25 free elective credits.

Major in Economics—Concentration in Finance—Required Courses and Credits

Credits

Core curriculum, including Mathematics 109 and 110 ........................................................................ 42
A six-credit sequence in Foreign Languages, History, Political Science or Sociology .......................... 6
Accounting 101, 102 ........................................................................................................................... 8
Information Technology 101 .............................................................................................................. 3
Political Science 2404 ....................................................................................................................... 3
Economics 1201; 2202; 2306; 3313; 4406; 4998 ................................................................................. 18
Economics 3331/Finance 301 ............................................................................................................... 3
Two from the following, total of 6:
  Economics 3332/Finance 302
  Economics 3333/Finance 312
  Economics 3334/Finance 534
  Economics 4433/Finance 412
Any three Economics electives ........................................................................................................... 9
Free electives ..................................................................................................................................... 28
Health Science 100A or 100B or Physical Education 100 [A-L] .......................................................... 2
The satisfactory completion of ECO 4998 satisfies the College's Comprehensive Examination/Thesis requirement.

Total credits required .......................................................................................................................... 128

Major in Economics—Concentration in International Economics—Required Courses and Credits

Credits

Core curriculum, including Mathematics 109 and 110 ........................................................................ 42
A six-credit sequence in Foreign Languages or a six-credit sequence in History
  or Political Science courses relating to countries other than the U.S. .................................................. 6
Information Technology 101 .............................................................................................................. 3
International Cultural Studies 240 and 241 ..................................................................................... 6
Political Science 2404 ....................................................................................................................... 3
Economics 1201; 2202; 2306; 3313; 4406; 4998 ................................................................................. 18
Economics 3304; 4403 ........................................................................................................................ 6
Economics 3305 / International Cultural Studies 305 .................................................................... 3
Any three Economics electives ........................................................................................................... 9
Free electives ..................................................................................................................................... 30
Health Science 100A or 100B or Physical Education 100 [A-L] .......................................................... 2
The successful completion of ECO 4998 satisfies the College's Comprehensive Examination/Thesis requirement.

**Total credits required** ................................................................. 128

**Major in Economics—Concentration in Public Policy—Required Courses and Credits**

Credits

Core curriculum, including Mathematics 109 and 110 ........................................ 42
Human Resources 201 and Business 101 ...................................................... 6
Information Technology 101 ........................................................................... 3
Political Science 1304; 1306; or 2309 ............................................................ 3
Political Science 2404 .................................................................................. 3
Sociology 301; 312; or 408 .............................................................................. 3
Economics 1201; 2202; 2306; 3313; 4406; 4998 .................................................. 18
Three courses from Economics 3303; 3307; 3308; 3309; 3310; 3319; 3340 ........ 9
Any three Economics electives ........................................................................ 9
Free electives ............................................................................................. 30
Health Science 100A or 100B or Physical Education 100 [A-L] .......................... 2

The satisfactory completion of ECO 4998 satisfies the College's Comprehensive Examination/Thesis requirement.

**Total credits required** ................................................................. 128

**Minor in Economics—Required Courses and Credits**

A minor in economics provides students with an introduction to the basic principles of economics and an opportunity to explore their application to contemporary issues. It provides a valuable supplement to the educational experience of students in both the professional and liberal arts majors.

For Management Majors

Economics 1201; 2202; and 2306 .................................................................... 9

Three Economics courses, with the exception of Economics 3331/Finance 301,

with the second finance (FIN) course used to fulfill the finance requirement

for the management major ............................................................................. 9

**Total credits required** ......................................................................... 18

For Accounting Majors

Economics 1201; 2202; and 2306 .................................................................... 9

Three Economics courses, with the exception of Economics 3331/Finance 301 ........ 9

**Total credits required** ......................................................................... 18

For All Other Majors

Economics 1201; 2202; and 2306 .................................................................... 9

Any three other Economics courses ................................................................ 9

**Total credits required** ......................................................................... 18
Economics [ECO] Courses

Throughout the section below, the asterisk (*) indicates the following restrictions:

1. The course may not be used to satisfy requirements for liberal arts electives in the core curriculum or departmental requirements.

2. The course may not be used by accounting and management majors to satisfy their department’s requirements for elective credits in economics.

3. Management majors may not use Economics 3331/Finance 301, Corporate Finance or the second finance course used to fulfill the finance requirement for the management major to satisfy the requirements for a minor in economics.

4. Accounting majors may not use Economics 3331/Finance 301, Corporate Finance, to satisfy the requirements for a minor in economics.

ECO 1201 Principles of Macroeconomics

Macroeconomics; the foundation of economic analysis; national income, employment and economic growth; aggregate demand and supply, saving and investment; economic fluctuations; monetary and fiscal policy; the international economy. 3 credits. Every semester; day and evening.

ECO 2202 Principles of Microeconomics

Microeconomics; markets, the price system and the allocation of resources; competition, monopoly, monopolistic competition and oligopoly; government and business; the distribution of income. Prerequisite: ECO 1201. 3 credits. Every semester; day and evening.

ECO 2306 Money and Banking

Money and credit; commercial banking; central banking; monetary theory and practice; financial regulation. Prerequisite: ECO 1201, MAT 050 or passing grade on math placement test. 3 Credits. Every semester; day and evening.

ECO 3302 Economic Development of the United States

From the economics of Native Americans to colonial settlement and slavery; from independence and the development of a free-labor market to the rise of the U.S. as an international economic power; through periods of expansion and economic crises, a study of U.S. economic development gives powerful insights into the process of economic change and the achievements and problems of the U.S. today. Prerequisite: ECO 1201. Fall Semester 2004; day.

ECO 3304 Economics of Less Developed Countries

Empirical and theoretical issues relating to the process of economic development in Third-World countries. The measurement of economic growth and the meaning of economic development; the mobilization of economic resources; poverty, unemployment
and unequal income distribution; the debt crisis and development strategies. Discussion of modernization, dependency and neoclassical theories of economic development. Prerequisite: ECO 1201. 3 Credits. Fall Semester 2003; day. Fall Semester 2004; evening.

ECO 3305/ICS 305 European Economies

A study of the European Union, the economies in transition in Eastern Europe and the Balkans. Particular emphasis will be placed on the question of nationalism and the issues confronting multinational states in Europe today. Prerequisite: ECO 1201. 3 Credits. Spring Semester; day.

ECO 3307 Environmental Economics

The impact of production and consumption decisions on the environment. The principles of sustainable economic development and their implications for policy in both developed and less developed countries. Prerequisite: ECO 1201. 3 Credits. Fall 2003; day.

ECO 3308 Urban Economics

The interaction between private decisions on the location of production and housing and forms of transportation, together with an analysis of the impact of government policy. A critical discussion of the impact of economic crises on cities and states. An analysis of contemporary urban problems such as homelessness, unemployment, racial antagonism and pollution. Prerequisite: ECO 1201. 3 Credits. Spring Semester; day.

ECO 3309 Labor Economics

The operation of labor markets, including an analysis of wage structure and unemployment. Labor-management relations and their effect on productivity, profitability and wage levels. Current labor legislation. An evaluation of institutional and radical approaches that challenge traditional neoclassical analysis of labor market dynamics. Prerequisite: ECO 1201. 3 Credits. Spring Semester 2004; day. Spring Semester 2005; evening.

ECO 3310 Health Economics

An introductory study of health economics that explores a variety of health-related issues. On the basis of given scarce resources and using economic tools, this course analyzes the process of the production of health care and its distribution in the United States as compared to other countries. This analysis will include a critical approach to the details of private and public health care systems. Prerequisite: ECO 1201. Fall Semester 2003; evening. Fall Semester 2004; day.

ECO 3313 Applied Statistics for Economics

This course provides students with an introduction to the ways in which economists make use of data in the analysis of both micro- and macroeconomic issues. Students will learn to apply some of the basic tools of statistics, such as regression analysis, to address both theoretical questions and policy issues. Prerequisites: ECO 1201 and MAT 301. 3 Credits. Spring Semester; day.

ECO 3319 The Economics of Discrimination

Discrimination on the basis of race/ethnicity, gender, sexual orientation and age. An examination of differential access to education and jobs. Historical trends in earnings differentials. A critical discussion of alternative theoretical perspectives, including those of neoclassical and political economists. The effectiveness of anti-discrimination policies such as affirmative action and comparable worth legislation. Prerequisite: ECO 1201. 3 Credits. Spring Semester 2005; day.
ECO 3331/FIN 301 Principles of Finance

Aspects of financing corporate entities in the functioning of the economy; equity financing, capital structure; bond flotation, mergers and takeovers; holding companies; security underwriting and market rights; warrants and options. The use of financial ratios, time value of money and other techniques of financial analysis. Prerequisites: MAT 050 or exemption by placement examination; ACC 101 or 150; ECO 1201 and either ECO 2202 or 2306. 3 Credits. Every semester; day and evening.

ECO 3332/FIN 302 Managerial Finance

Focuses on the efficient management of the financial resources of the firm. Consideration is given to the time value of money, the statistical analysis of risk and the use of financial ratios. Explores financial statements, analysis, financial planning, working capital management, short- and long-term financing and optimal capital structure. Lease vs. purchase and dividend policies are studied. Prerequisite: ECO 3331/FIN 301. 3 Credits. Fall Semester; evening. Spring Semester; day.

ECO 3333/FIN 312 Security Analysis

Quantitative and qualitative methods of analyzing industrial securities, with emphasis on common stock; principles underlying the selection and management of both individual and institutional portfolios; market timing and technical strategies. Prerequisite: ECO 3331/FIN 301. Lab fee. 3 Credits. Fall Semester; day. Spring Semester; evening.

ECO 3334/FIN 334 Government Finance

A study of government budgets and the budgetary process. The role of federal, state and local governments in production and the provision of Social Security. The economic impact of alternative expenditure on income distribution. The impact of government borrowing on financial markets. Prerequisite: ECO 1201. 3 Credits. Fall Semester; day.

ECO 3340 Gender and the Economy

An exploration of the ways in which economic systems are structured by gender. The course will revisit economic history, paying particular attention to changes in the gender division of labor and the gendered distribution of production. It will look at economic issues facing women in the world today, in advanced countries such as the United States and in less developed countries. It will also explore the ways in which economic theory is changing as economists work to broaden their perspective and overcome their historical blindness to issues of gender. Prerequisite: ECO 1201. 3 Credits. Spring Semester 2004; day.

ECO 4403 International Economics, Trade and Finance

Principles, practices and problems of international trade and finance. The development and current state of regulations and treaties governing international economic relations. Economic integration and disintegration as seen, for example, in the European Union and the former Soviet Union, respectively. Prerequisites: ECO 2306 and junior status. 3 Credits. Fall Semester; day.

ECO 4406 Development of Economic Thought

A survey of economic thought principally from the seventeenth century to the present day; mercantilism; physiocracy and the emergence of the science of economics; the Classical School; the rise of socialist protest; marginalism and the neo-classical synthesis; Keynes and post-Keynesian economics; monetarism. Prerequisites: ECO 2202; 2306 and senior status. 3 Credits. Spring Semester; day.
ECO 4411 Concepts in Economic Analysis

Intermediate micro- and macroeconomic theory. This course is highly recommended for students who intend to pursue graduate studies. Prerequisites: ECO 2202; 2306; juniors and seniors only. 3 Credits. Spring Semester; day.

ECO 4433/FIN 412 Portfolio Management (formerly MGT 412)  

The construction and analysis of both individual and institutional investment portfolios; portfolio objectives, strategies and constraints; economic and non-economic variables impacting portfolios; performance measurement. Prerequisite: ECO 3331/FIN 301. 3 Credits. Fall Semester; evening.

ECO 4990 Internship

Students with significant accomplishments in the major may be granted permission by the chairman of the Economics Department to serve as an intern in selected workplaces. Assignments depend on availability of suitable internships. The student must maintain a comprehensive daily log of work activities and report regularly to the chairman throughout the internship. Prerequisite: Permission of department chairman. Open only to Economics majors. 3 Credits. Every semester, as students qualify.

ECO 4995 Independent Study

Individual research and study with the approval of the Department of Economics. 1-3 Credits. Every semester, as students qualify; day.

ECO 4998 Seminar in Economics

A thesis seminar primarily for economics seniors, in which the main project is the writing of a research paper on a topic to be chosen by the student in consultation with the instructor. Prerequisites: ECO 2202; 2306; 3313 and senior status. 3 Credits. Fall Semester; day.
Candidates accepted into the Teacher Education program may prepare for Initial New York State Certification in Childhood Education (Grades 1-6) or Physical Education (Grades K-12). Each program includes three areas of study: (1) general liberal education; (2) academic major or concentration that is planned and monitored collaboratively by both the academic department and education faculty; and (3) pedagogical studies. Students may prepare for B.A. English/Childhood Education, B.A. Social Studies/Childhood Education, B.S. Biology/Childhood Education, or the B.S. Physical Education. The technology-rich programs of professional studies incorporate theory, field experience, supported pedagogy and a semester of full-time, supervised student teaching. Candidates for certification must complete an approved academic major and maintain an index of at least 3.0 in that major. Students who are interested in earning a New York State Initial Teaching Certificate should consult with the chairman of the Education Department and an academic department faculty advisor during their freshman year to discuss program requirements and construct an approved sequence of courses to meet certification standards. Please note that program design, registration advisement and completion of the academic major must be arranged in coordination with the appropriate academic department.

The College is committed to preparing our future educators to provide childhood-level (1-6) students with learning experiences that are academically challenging, developmentally appropriate and personally supportive. Additionally, we will prepare our students to develop a curriculum that is comprehensive, challenging, purposeful, integrated and New York State Education standards-based. We will expose our students to high-need schools that will immerse its childhood-level students with an educational program that is enhanced by genuine involvement of St. Francis student teachers, school children and their families, along with the greater school community. Finally, we are dedicated and committed to make meaningful changes in the lives of children in both the private and public school sector.

St. Francis College’s education teacher training program for initial certification in childhood (grades 1-6) is a small program that allows faculty to give personalized attention to its participants. Students’ work is closely monitored and their fieldwork supervised. Our faculty have extensive experience with the NYC Public School System as both teachers and administrators. The Education Department faculty work collaboratively with all academic core departments to discuss and update the pedagogy classes. Faculty work closely with the Information Technology Department and its technology specialist to learn and implement current software applications.
Admission to Certificate Programs

A declaration of intent to apply for the certificate program may be submitted after:

Completion of at least 24 St. Francis College credits with a grade of 2.75 or higher;
An earned academic index of at least 2.75;
Completion of Education 201 and Education 202/Psychology 203 and all courses in the
academic major with a St. Francis grade point index of 3.0 or higher;
An academic index of 3.0 or higher in academic major courses.

Formal acceptance into the certificate program requires a satisfactory essay, portfolio of essays
and an oral screening assessment. Please discuss these requirements with an advisor from the
Education Department.

Advisement

All certificate courses require the approval of the Assistant Academic Dean, Chair of the
Education Department or a designated faculty advisor. An academic index of at least 2.75
(with 3.0 or higher in the academic major) is required to remain in the program. Candidates
interested in pursuing an Initial Teacher Certification in Childhood 1-6 may refer to the

Advisement for major courses and sequences is determined by program advisors in the specific
academic department. All registration forms must be signed by both the major department
advisor and the Teacher Education advisor. Advisement for professional courses and sequences
is determined by an assigned program advisor in the Department of Teacher Education.
Candidates are expected to observe all concentration requirements in the major and in profes-
sional studies and are responsible for successful completion of their specified program.

Students who successfully complete their approved Teacher Education program with an index
of 3.0 or higher in their pedagogical and academic major courses will be recommended for a
NYSED Initial Certification by the Department of Teacher Education.

To earn this recommendation, candidates must also pass the three New York State
Certification Examinations (LAST, ATSW, and CST) and received certificates of completion
in approved day-long, non-credit courses in:

Identification and Prevention of Child Abuse
Conflict Resolution and Prevention of School Violence (students may opt for
SOC 319 to satisfy this requirement)
Identification and Prevention of Substance Abuse
Program Requirements

Initial Certification for Childhood Education (Grades 1-6)—Required Courses and Credits

Mission Statement

The Childhood Education Program prepares childhood school teachers committed to the values of freedom, tolerance and respect for diversity, lifelong learning and service in the Franciscan tradition. A strong academic major and liberal arts core curriculum are the foundations on which the pedagogical studies rest.

Goals and Objectives

The goals of the St. Francis Elementary Level Teacher Education Program are to prepare teachers for Grades 1-6 who are:

- Familiar with the New York State Learning Standards and New York City commencement outcomes in their concentration—English, Social Studies and Biology.
- Familiar with current research and practices in elementary education and their content area.
- Disposed to be reflective, ethical and caring learners who strive for subject mastery and excellence in teaching.
- Models of active, informed citizenship, including lifelong learning.
- Committed to continually increasing their knowledge of content and pedagogy.
- Determined to create a classroom environment where learning and respect for individual diversity are priority.
- Effective communicators to learners, parents, peers and community members.
- Advocates for systems thinking and integrated learning within high need schools serving at-risk populations.

The College also seeks to prepare Education Department graduates to meet the standards set by the New York State Board of Regents:

- All students will meet high standards;
- All educational institutions will meet high performance standards;
- The public will be served by qualified, ethical professionals who remain current and reflect the diversity of New York State.
All students, regardless of concentration area, must complete the following:

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications 203</td>
<td>3</td>
</tr>
<tr>
<td>English 103</td>
<td>3</td>
</tr>
<tr>
<td>English Literature</td>
<td>3</td>
</tr>
<tr>
<td>English 105 or Psychology 203</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts 401 or 403 and Fine Arts 402</td>
<td>6</td>
</tr>
<tr>
<td>Soc Studies NYSED Requirement (HIS 1201 and SOC 203)</td>
<td>6</td>
</tr>
<tr>
<td>Math NYSED Requirement (MAT 103 and 104)</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy</td>
<td>9</td>
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<tr>
<td>Health Science 100A or 100B or Physical Education 100 A-L</td>
<td>2</td>
</tr>
<tr>
<td>Religion</td>
<td>3</td>
</tr>
<tr>
<td>SFC 101</td>
<td>1</td>
</tr>
<tr>
<td>Science NYSED Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Information Technology 101 or 101E</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td>Psychology 333</td>
<td>3</td>
</tr>
<tr>
<td>Education 201 and Education 202/Psychology 230</td>
<td>6 *</td>
</tr>
<tr>
<td>Education 303 and Education 402/Psychology 231</td>
<td>6</td>
</tr>
<tr>
<td>Education 410/English 263 and Education 411/English 264</td>
<td>6</td>
</tr>
<tr>
<td>Education 412; 413; 414; 415; 416; 430</td>
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</tr>
<tr>
<td>Education 404</td>
<td>6 **</td>
</tr>
<tr>
<td>Education 405 [Optional]</td>
<td>1-3</td>
</tr>
<tr>
<td>Concentration (see below)</td>
<td>30</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td>129</td>
</tr>
<tr>
<td><em>(130-132 if ED 405 is elected)</em></td>
<td></td>
</tr>
</tbody>
</table>

Requirements for Biology/Childhood Education Concentration

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology I-II (BIO 103-104)</td>
<td>10</td>
</tr>
<tr>
<td>General Chemistry 111-112</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 107</td>
<td>4</td>
</tr>
<tr>
<td>Two of the following three: Biology 204; 250; 260</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total required credits in the concentration</strong></td>
<td>30</td>
</tr>
</tbody>
</table>

Requirements for Social Studies/Childhood Education Concentration

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 1101 and 1102</td>
<td>6</td>
</tr>
<tr>
<td>History 3401 and 3402</td>
<td>6</td>
</tr>
<tr>
<td>One of the following two: History 3307 or History 3311</td>
<td>3</td>
</tr>
<tr>
<td>One of the following six: History 2303/Political Science 2312; History/Political Science 2320-2323; History 3310; Political Science 2302; Political Science 2360; Sociology 305</td>
<td>3</td>
</tr>
<tr>
<td>Political Science 1202 and 1204</td>
<td>6</td>
</tr>
<tr>
<td>Economics 1201 and 2202</td>
<td>6</td>
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<tr>
<td><strong>Total required credits in the concentration</strong></td>
<td>30</td>
</tr>
</tbody>
</table>
Requirements for English/Childhood Education Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 210; 252; 261; 262</td>
<td>12</td>
</tr>
<tr>
<td>English 399 or 398</td>
<td>3</td>
</tr>
<tr>
<td>English 256 or 257</td>
<td>3</td>
</tr>
<tr>
<td>One of the following five:</td>
<td>3</td>
</tr>
<tr>
<td>English 352; English 353; English 354; English 355;</td>
<td></td>
</tr>
<tr>
<td>English 356</td>
<td></td>
</tr>
<tr>
<td>One of the following four:</td>
<td>3</td>
</tr>
<tr>
<td>English 371; English 372; English 373; English 374</td>
<td></td>
</tr>
<tr>
<td>One of the following five:</td>
<td>3</td>
</tr>
<tr>
<td>English 357; English 358; English 369; English 393;</td>
<td></td>
</tr>
<tr>
<td>English 394</td>
<td></td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>
Total required credits in the concentration | 30      |

* Candidates for initial certification must earn grades of B or higher in these two courses in order to be considered for admission into the program. Appointments for written and oral examinations are made after completing ED 201.

** Satisfactory completion of ED 404 or ED 404P meets the College's Comprehensive Examination/Thesis requirement.

All above courses require five hours field experience for each credit earned. A two-credit course requires 10 hours; a three-credit course requires 15 hours. Field experience hours may not be combined. Students may enroll in ED 405 if unable to meet field experiences portion of the previous education courses.

Students are reminded that they must successfully complete the three New York State Education Certification Examinations: Liberal Arts and Science Test (LAST); Assessment of Teaching Skills-Written (ATS-W); and Content Area Specialty (CST) Exam.

Physical Education Initial Certificate (Grades K-12)—Required Courses and Credits

Goals and Objectives

The goals of the St. Francis Physical Education Program are to prepare teachers who are:

Familiar with the New York State Learning Standards and New York City commencement outcomes in Physical Education.

Familiar with current research and practices in Physical Education.

Disposed to be reflective, caring learners who strive for excellence in teaching.

Models of health and fitness and active, informed citizens including lifelong learning.

Committed to continually increasing their knowledge of content and pedagogy.

Determined to create a classroom environment where health, fitness and good sportsmanship is a priority.

Effective communicators to learners, parents and peers.

Advocates for health, fitness, systems thinking and integrated learning.
Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications 203</td>
<td>3</td>
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<tr>
<td>English 103</td>
<td>3</td>
</tr>
<tr>
<td>English Literature</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 100</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts 401 or 403 and Fine Arts 402</td>
<td>6</td>
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<tr>
<td>History 1201</td>
<td>3</td>
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<tr>
<td>Sociology 203</td>
<td>3</td>
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<td>Chemistry 105-106</td>
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<td>Philosophy</td>
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<td>Religion</td>
<td>3</td>
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<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
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<tr>
<td>SFC 101</td>
<td>1</td>
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<tr>
<td>Information Technology 101 or 101E</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td>Psychology 203</td>
<td>3</td>
</tr>
<tr>
<td>Biology 107-108</td>
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</tr>
<tr>
<td>Health Science 206; 207</td>
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</tr>
<tr>
<td>Pedagogy Education Sequence: Education 201; Education 202 / Psychology 230; Education 303; Education 402 / Psychology 231</td>
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<tr>
<td>Physical Education Skills: From I-X or PE 211</td>
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<tr>
<td>Physical Education 103 (or WSL certification); 208; 209; 243; 301; 302; 304; 305; 308; 316; 322; 402; 405</td>
<td>30-31</td>
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<tr>
<td>Education 404P</td>
<td>6 **</td>
</tr>
<tr>
<td>Total credits required</td>
<td>129-130</td>
</tr>
</tbody>
</table>

* Candidates for initial certification must earn grades of B or higher in these two courses in order to be considered for admission into the program. Appointments for written and oral examinations are made after completing ED 201.

** Satisfactory completion of ED 404 or ED 404P meets the College's Comprehensive Examination/Thesis requirement.

All above courses require five hours field experience for each credit earned. A two-credit course requires 10 hours; a three-credit course requires 15 hours. Field experience hours may not be combined. Students may enroll in ED 405 if unable to meet field experiences portion of the previous education courses.

Students are reminded that they must successfully complete the three New York State Education Certification Examinations: Liberal Arts and Science Test (LAST); Assessment of Teaching Skills-Written (ATS-W); and Content Area Specialty (CST) Exam.

Secondary Education (Grades 7-12)

The department recommends that students interested in a career in secondary level teaching pursue an undergraduate degree in an appropriate academic discipline in one of the following areas: Biology, Chemistry, English, Mathematics, Social Studies. At a minimum, students must maintain an overall grade point average of 3.0 within their major.

Students are encouraged to take any of the following professional education courses (not to exceed 15 credits) in preparation for the Master of Arts in Secondary Education: Education 201; Education 202/Psychology 230; Education 204/Psychology 333; Education 303 or
Education 402/Psychology 231. Students are advised to take 6 credits in any foreign language (or CLEP credits). Students should also complete the three NYSE tests: LAST, ATS-W and the CST, as well as the Identification and Prevention of Child Abuse, Conflict Resolution and Prevention of School Violence and Identification and Prevention of Substance Abuse programs.

Current and future students interested in secondary education should speak with the chairman of the Education Department in order to plan for the effective completion of their studies.

**Childhood Education Program [ED] Courses**

**ED 201 Foundations of Education: History and Philosophy**

Examination of various philosophies and theories of education from ancient times to the present, including curricular movements, current issues and standards-based education. This course is a prerequisite to the professional course sequence in Teacher Education. A grade of B or higher is required for admission into the teacher education program. Prerequisite: Open to all students with an Overall GPA 2.75. Field Experience: 15 hours. 3 credits. Fall Semester; day and evening.

**ED 202/PSY 230 Educational Psychology**

A study of the application of psychological theory and research to educational practice from a developmental perspective. Topics include: human growth and development, learning theory, teaching effectiveness and differentiating instruction and classroom management. Technology-assisted education. A grade of B or higher in this course is required for admission into the teacher education program. Prerequisite: Open to all students with an Overall GPA 2.75. Field Experience: 15 hours. 3 credits. Fall Semester; day and evening.

**ED 204/PSY 333 The Psychology of the Exceptional Child**

Considers the physical, intellectual, emotional and social characteristics of the atypical child. It explores discrepancies in growth and development, learning disabilities, behavioral and societal problems of the gifted and handicapped and the implications for curriculum and instruction to meet and exceed state and local learning standards. This course will fulfill part of the Special Education requirement for NY State Certification and New York City teaching licenses. Prerequisite: Open to all students with an Overall GPA 2.75. Field Experience: 15 hours. 3 credits. Every semester, including summer; day and evening.

**ED 303 Effective Teaching Methods/Strategies**

First course in the professional sequence. Focuses on the learning process and the application of strategies that promote students' active involvement in learning, addressing NY State and NY City standards across the curriculum. Knowledge of computer applications required. Prerequisite: A grade of B or higher in ED 201 and ED 202 and permission of the department. Co-requisite: Field Experience, 15 hours. 3 credits. Every semester; day and evening.

**ED 402/PSY 231 Assessment and Evaluation***

An introduction to statistical methodology, reliability and validity applied to formal and informal assessment techniques in the classroom. Development and use of rubrics across the curriculum. Evaluation of high stakes testing programs related to local, state and national curriculum and learning standards.
Prerequisite: A grade of B or higher in ED 201 and ED 202. Field Experience: 15 hours. 3 credits. Every semester; day and evening.

ED 404 Supervised Student Teaching in Elementary School

Two full-time placements in elementary school during last semester of senior year. Includes a bi-weekly seminar at the College. Restrictions apply regarding the number of other courses that may be taken during this semester. Departmental approval required. 6 credits. Every semester; day.

ED 404P Supervised Student Teaching in Physical Education

During last semester of senior year, students in the Physical Education Program spend a minimum of one semester of full-time, supervised instructional experience in an approved physical education program in elementary and/or secondary school. Includes a bi-weekly seminar at the College. Prerequisite: PE 401; 402; 403 and permission of department. 6 credits. Every semester; day.

ED 405 Extended Field Experience

Taken during first semester of senior year. Two days per week of full-time, supervised field experience in an approved elementary school setting. Bi-weekly seminar attendance. Requires permission of Department. 1-3 credits. Day.

Prerequisites: ED 303 and ED 402; knowledge of computer applications. Co-requisite: Field Experience: 15 hours. 3 credits. Fall Semester; day and evening.

ED 411/ENG 264 Models and Strategies in the Teaching of Elementary Reading

An analysis of alternative approaches to reading and literacy instruction that address NY State and NY City standards. Includes an examination of techniques to detect and remedy reading problems in the classroom. Each student will be required to collect, construct and evaluate materials for use in a classroom situation, a small-group situation and individual instruction. Prerequisites: ED 303; 402 and 410. Field Experience: 15 hours. 3 credits. Spring Semester; day and evening.

ED 412 Elementary Language Arts Methods

The principles, methods and materials employed in literacy instruction across the curriculum to meet NY State and NY City standards. Includes teaching of listening and speaking, composition and writing skills in the elementary school. Prerequisites: ED 303 and 402; ENG 103;105 and one English literature course. On campus 30 hours. Field experience 10 hours. 2 credits. Fall Semester; day and evening.

ED 413 Elementary Mathematics Methods

The principles and practices employed in teaching and assessing learning of numeracy and problem solving in mathematics in elementary schools to address NCTM, NY State and NY City standards. Hands-on experience with age appropriate manipulatives and technology. Prerequisites: MAT 103 and 104; ED 201; 303 and 402. Field Experience: 10 hours. 2 credits. Spring Semester; day.
ED 414 Literature for Children

Investigation and analysis of literature written for children. Emphasis on children's classics and literature from all curriculum areas. Use of audiovisual aids. Exploration of illustrations of children's books. Prerequisites: ED 201; 303 and 402. On campus: 30 hrs. Field experience: 10 hrs. 2 credits. Fall Semester; day.

ED 415 Elementary Social Studies Methods

The resources, methods, and materials of a sound elementary social studies program. Focus on instruction and activities that foster critical thinking, geography and map making skills. Prerequisites: HIS 1201 and SOC 203; ED 201; 303 and 402. Field Experience: 10 hours. 2 credits. Spring Semester; day and evening.

ED 416 Elementary Science Methods

Principles and techniques employed in teaching science in the elementary schools. Prerequisites: 6 credits of a science course (Biology, Earth Science, Chemistry or Physics); ED 201; 303 and 402. Field Experience: 10 hours. 2 credits. Spring Semester; day and evening.

ED 430 Teaching Geography

Exploration of maps, mapmaking physical features of the earth and their impact on history, economics and the development of culture. This course takes advantage of the large number of online resources. Field experience: 10 hours. 2 credits. Spring Semester; day and evening.

ED 431 Reading Assessment in the Classroom

A study of formal and informal methods of diagnosis, special in-classroom procedures; analysis of the services rendered by clinics and other professional groups. On-campus: 30 hours. Field experience: 15 hours. Field Experience: 15 hours. 3 credits. Offered as needed in Spring Semester; day and evening.

ED 500 Independent Study in Education

Independent work in an area of special interest. Special project, report or term paper. Prerequisite: Departmental approval. 1-3 credits. Every semester; day and evening.

***In order to enroll in any 400-level class, students must pass the LAST test.

Physical Education Program [PE] Courses

PE I Skills Activities

Theory, instruction and practice in the fundamentals of team sports and games; techniques in soccer and volleyball, including coaching techniques. 2 credits, 2 hours. Spring Semester; day.

PE II Skills Activities

Theory, instruction and practice in the fundamentals of team sports and games; techniques in basketball, softball and baseball, including coaching methods. 2 credits, 2 hours. Spring Semester; day.

PE III Skills Activities

Theory, instruction and practice in individual and dual sports techniques in badminton, racquetball and tennis, including coaching methods. 2 credits, 2 hours. Fall Semester; day.

PE VI Skills Activities

Theory, instruction and practice in the fundamentals of team sports and games; techniques in hockey and team handball, including coaching methods. 2 credits, 2 hours. Fall Semester; day.
PE VII Skills Activities

Theory, instruction and practice in the fundamentals of team and individual sports; techniques in football, track and field and golf; includes coaching techniques. 2 credits, 2 hours. Fall Semester; day.

PE IX Skills Activities

Theory, instruction and practice in fitness activities; techniques in aerobic training, weight training, and exercise program development. 2 credits, 2 hours. Spring Semester; day.

PE X Advanced Skills

Theory, instruction and practice in officiating and coaching team sports and individual and dual sports: techniques for indoor and outdoor sports. 2 credits, 2 hours. Spring Semester; day.

PE 100A/HS 100B Exercise, Fitness, and Weight Control

An interdisciplinary (Health Science and Physical Education) approach to the relationship of exercise to health, including weight control, stress reduction and cardiovascular fitness. The course includes classroom work as well as participation in fitness assessment and activities. One of the 2-credit HS, PE, HS/PE options required of all students for graduation. 2 credits. Every semester; day and evening.

PE 100H Water Safety Instructor Course

Students work toward an American Red Cross Water Safety Instructor Certificate. Prerequisite: Advanced swimming ability. 2 credits. Offered as students qualify; day.

PE 100I Unarmed Self-Defense

Instruction in the skills of unarmed self-defense. 2 credits. Every semester, day.

PE 100M Fencing

Students will be introduced to basic fencing movement concepts and strategies. Conditioning exercises are included. 2 credits, 2 hours. Every semester.

PE 103 Elementary Aquatics

Fundamentals and development of forms and style in stroke mechanics. Students must demonstrate basic swimming proficiency. Physical education majors who hold current WSI Certification are exempt. 1 credit, 2 hours. Fall Semester; day.

PE 208 Kinesiology

An overview of the skeletal, muscular and nervous systems in producing purposeful human movement. Topics include movement analysis, techniques with emphasis on non-cinematographical analysis. Prerequisites: BIO 107 and 108; CHE 105 and 106. 3 credits, 3 hours. Fall Semester; day.

PE 209 Biomechanics

The application of kinesiological concepts to the mechanical analysis of movement and motor skills. Topics include force, velocity, momentum, angular motion and cinematographical analysis. Prerequisites: PE 208; BIO 107 and 108; CHE 105 and 106. 2 credits, 2 hours. Spring Semester; day.

PE 211 Movement Education and Physical Education in Elementary Schools

Techniques and methods in conducting elementary games; theory and practice in rhythmic activities and movement education applicable to different age levels. Prerequisite: Any skill activities or departmental approval. 2 credits, 2 hours. Spring Semester; day.
PE 243 Ethics in Sport and Physical Education
Selected situations in sport and physical education are explored from ethical and moral perspectives. 2 credits, 2 hours. Fall Semester; day.

PE 244 Sociology of Sport
Discusses the structure and function of sport as an institution within society. Included topics are social stratification, mobility, race, sex and the socioeconomic dimensions of sport. 2 credits, 2 hours. Spring Semester; day.

PE 301 History and Principles of Physical Education
Introduction to the history and principles of physical education; current trends and problems in physical education are analyzed and evaluated. 2 credits, 2 hours. Spring Semester; day.

PE 302 Adapted Physical Education
Development of exercise programs and modified athletic activities to meet the specific needs of the disabled. Practical experiences (including field experiences) are included. Prerequisite: PE 208. 3 credits, 3 hours. Spring Semester; day.

PE 304 Organization and Administration of Physical Education
Emphasis on organization and administrative policies and procedures; purchase and care of equipment and supplies; public and professional relations; structural and functional aspects of a school program in physical education, athletics and intramurals. Prerequisite: Any skills activities or departmental approval. 2 credits, 2 hours. Fall Semester; day.

PE 305 Physiology of Exercise
An overview of the physiological effects of exercise on the human body. Topics include systematic response to the demands of exercise, testing and training procedures and laboratory assessment of physiological function and status. Prerequisites: BIO 108 and CHE 105 or departmental approval. 3 credits, 3 hours. Fall Semester; day.

PE 308 Motor Learning
An introduction to the concepts, principles and theories of movement and motor learning. 3 credits, 3 hours. Spring Semester; day.

PE 316 Psychology of Sport
An introduction to the psychological concepts of athletes; the social psychology of sports and effective coaching techniques of athletic skills. Introduction to personality tests employed in the field; the effects of behavior on athletic performance. 3 credits. Spring Semester; day.

PE 322 Introduction to Legal Issues
Relates basic legal concepts to sport and physical education environments. Includes torts, contract law, constitutional law, negligence and Title IX issues. 3 credits, 3 hours. Fall Semester; day.

PE 401 Special Methods of Teaching Physical Education in Schools (formerly PE 501B) ***
Methods of teaching physical education in elementary and secondary schools; planned observation at both levels; preparation of lesson plans; selection and use of equipment; and instructional aids are stressed. Prerequisite: 9 credits in physical education or departmental approval. 3 credits. Every semester; day.
**PE 402 Evaluation of Physical Education**

Methods and procedures used in the construction, administration and interpretation of standardized testing in physical education; introduction to elementary statistical methods. Prerequisites: ED 402 and any skills activities. 2 credits, 2 hours. Fall Semester; day.

**PE 450 Field Experience in Physical Education**

Observation and supervised experience of at least 100 hours in an area of the student's expressed professional interest. Prerequisites: Junior or senior standing and departmental approval. 2 credits, 6 hours. Every semester; day.

**PE 500 Independent Study**

Independent study and readings in an area of specialization in the discipline of physical education. Conferences, report, special project or term paper. Prerequisite: Departmental approval. 1-3 credits. Every semester; day.

***In order to enroll in any 400-level class, students must pass the LAST test.
History, Political Science and Social Studies

Office: Room 713R
Phone: (718) 489-5232

Chairman
Dr. Arnold Sparr

Adjuncts
Alexander
Artiles

Professors
Hughes
Macchiariola
Sorrentino
Sparrow

Belonzi
Bogart
Buckley
Calcagno
Capano
Dorinson

Associate Professor
Sennick

Falkin
Houlihan
Humins
Kaczynski
LeVeness
Matthews
Singh
Williams

Department Mission

The department of History, Political Science and Social Studies houses three courses of study, each with a unique and complementary approach to liberal learning. History is an encompassing discipline that integrates the liberal arts by drawing upon both the humanities and the social sciences to reach understandings about historical causation and the institutional and cultural forces that have shaped our increasingly complex and interconnected modern world. Political science takes a traditional and behavioral approach to liberal learning. It is a social science chiefly concerned with the description and analysis of political and governmental institutions and processes. Social studies provide an interdisciplinary approach to the humanities and the social sciences. Resting upon four disciplines (economics, history, political science and sociology), it directs student learning across the College's entire humanities and social sciences curriculum. In addition, the department actively engages with the division of education in the preparation of elementary and secondary social studies teachers.

Together the department of History, Political Science and Social Studies provides its majors with a foundational education grounded in the liberal arts tradition of St. Francis College. At the same time, the department interfaces with the general education objectives of the College as it prepares its majors in the necessary cognitive and communication skills essential to their post-collegiate careers and for intelligent participation in our American democratic society. The skills encouraged within the department—to articulate significant questions, to frame hypotheses, to gather evidence, to look for patterns and relationships, to weigh alternative methods and interpretations and, finally, to articulate substantive arguments and conclusions with clarity and persuasion—are proficiencies that are in high demand in a wide variety of professions.
Goals and Objectives

To require a capstone senior project of history, political science and social studies majors where they demonstrate research and critical thinking skills through the successful completion of a substantive senior thesis.

To provide courses in history and political science, and interdisciplinary courses in social studies, as significant components of the liberal arts and the core curriculum.

To provide students with the preparation necessary for careers in teaching, business, law, government, public administration, and archival and museum work.

To prepare students with the skills necessary for success in graduate and professional schools, including law school.

To offer departmental majors and minors, as well as other students on the campus, the opportunity to explore the historical roots of contemporary civilization, and to develop in students the analytical skills necessary to live in a complex political society.

To continue to complement course offerings with a full range of off campus activities, including foreign tours, internships, field trips, museum and cultural visits, and study abroad.

Requirements for Department Majors and Minors

The department strongly urges all majors to attain competency in a foreign language at the advanced level, especially if graduate school is anticipated.

Major in History—Required Courses and Credits

The history major is an important component of the liberal arts curriculum. Historical inquiry provides broad understandings of the institutional and cultural foundations of contemporary civilizations. In its attention to research, writing and critical analysis, the history major prepares the student in the lifelong habits of a self-educating person. History graduates pursue a variety of careers in both the public and private sectors: teaching, business, government, public administration and archival and museum work. History is also an excellent preparation for a career in law. Successful completion of a senior thesis is a requirement for graduation.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum</td>
<td>42</td>
</tr>
<tr>
<td>SFC 101</td>
<td>1</td>
</tr>
<tr>
<td>Communications 300/400-level elective</td>
<td>3</td>
</tr>
<tr>
<td>Economics 1201 and 2202</td>
<td>6</td>
</tr>
<tr>
<td>Any combination of Foreign Languages; Mathematics 301; Political Science 3450; Information Technology 101, 103 and/or any other Information Technology course with departmental approval</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics or Science</td>
<td>6 *</td>
</tr>
<tr>
<td>Political Science 1204 or Sociology 404</td>
<td>3</td>
</tr>
<tr>
<td>History 3202 or 3301; 3312 or 3403 or 3404; 3401; 3402; 4998 and 2000-, 3000-, 4000-level History electives</td>
<td>30</td>
</tr>
</tbody>
</table>

138 History, Political Science and Social Studies
Free electives ........................................................................................................... 24
Health Science 100A or 100B or Physical Education 100 [A-L]........................ 2
The satisfactory completion of HIS 4998 satisfies the College's comprehensive
examinations/thesis requirement.

Total credits required .......................................................................................... 129

* If mathematics is used to satisfy the core curriculum requirement, then science must be selected or vice versa.

Major in Political Science—Required Courses and Credits

Political science prepares the student to critically analyze the problems of society on the local,
national and international levels. Through study of the major fields of the discipline—international
relations, comparative politics and American government—the contemporary issues
are defined, developing in the student the analytical skills necessary to live in a complex political
society. The political science major also provides the opportunity to study various areas of
public policy, including foreign policy, urban policy, transportation policy and public admin-
istration, one of the major subdivisions of the discipline.

Political science graduates pursue a variety of careers in both the public and private sectors:
teaching, business, government and public administration. While law schools do not require
a specific major, political science is a natural pre-law major because of its emphasis on the
study of law and institutions. The department offers courses in law, the judicial system, con-
stitutional law, and various other areas that are directly related to legal practice. Successful
completion of a senior thesis is a requirement for graduation.

| Core curriculum ..........................................................................................42 |
| SFC 101 ...........................................................................................................1 |
| Communications 300/400-level elective ........................................................3 |
| Economics 1201 and 2202 ...........................................................................6 |
| Any combination of Foreign Languages; Mathematics 301; Political Science 3450;
  Information Technology 101, 103, and/or any other Information Technology course
  with departmental approval ...........................................................................12 |
| History 1101; 1102; and 3402 ........................................................................9 |
| Mathematics or Science ..............................................................................6 * |
| Political Science 1202; 1204; 3301; 3406; 4998; and 2000-, 3000-, 4000-level
  Political Science electives .........................................................................30 |
| Free electives ..............................................................................................18 |
| Health Science 100A or 100B or Physical Education 100 [A-L] ...................2 |
| The satisfactory completion of PSC 4998 satisfies the College's comprehensive
  examination/thesis requirement. ..................................................................129 |

* If mathematics is used to satisfy the core curriculum requirement, then science must be selected or vice versa.

Major in Social Studies—Required Courses and Credits

Social studies is an integrated major that permits the students to enter into association with
four disciplines: economics, history, political science and sociology. Social studies majors enter
law, government service, banking and other professions. Successful completion of a senior thesis is a requirement for graduation.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum</td>
<td>42</td>
</tr>
<tr>
<td>SFC 101</td>
<td>1</td>
</tr>
<tr>
<td>Communications 300/400-level elective</td>
<td>3</td>
</tr>
<tr>
<td>Economics 1201 and 2202</td>
<td>6</td>
</tr>
<tr>
<td>History 1101 and 1102</td>
<td>6</td>
</tr>
<tr>
<td>Two courses selected from 2000-, 3000-, 4000-level History electives</td>
<td>6</td>
</tr>
<tr>
<td>Political Science 1204 and 1304</td>
<td>6</td>
</tr>
<tr>
<td>Sociology 301</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Social Studies 4998</td>
<td>3</td>
</tr>
<tr>
<td>Social Studies electives</td>
<td>18*</td>
</tr>
<tr>
<td>Free electives</td>
<td>30</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
<tr>
<td>The satisfactory completion of SS 4998 satisfies the College's comprehensive examination/thesis requirement.</td>
<td></td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>129</strong></td>
</tr>
</tbody>
</table>

*Economics, history, political science and sociology courses may be selected with the approval of the advisor.

**Minors in History or Political Science—Required Courses and Credits**

These minors provide students with the opportunity to acquire a systematic overview of either history or political science.

**History**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 1101; 1102; 1201; and two other History courses</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Political Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political Science 1202; 1204; and three other Political Science courses</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Department Courses**

History (HIS), Political Science (PSC) and Social Studies (SS) courses are sequenced at the introductory (1000), intermediate (2000/3000) and advanced (4000) levels.

1000-level courses are foundational in nature. They are designed for students who have little general background in the disciplines of history or political science or with the specific content areas that these courses address. While content-driven, these courses also train students in basic critical thinking and communication skills essential for continued success in the major. Thus, History 1201 and Political Science 1202 and 1204 often act as prerequisites for many of the intermediate and advanced courses which follow.
2000- and 3000-level intermediate courses build upon the knowledge and skills found within the introductory courses and/or within the general college curriculum. Adequate background knowledge is assumed but not necessarily in the same field.

4000-level advanced courses include departmental research seminars, independent study and field experience. The capstone of the history and political science and social studies majors is the research seminar where students complete a research paper that integrates prior learning and analytical and communication skills developed earlier in the major. Independent study and directed internships involve extensive and focused engagement in a topic and/or field experience not usually found in the regular curriculum. Both usually involve the production of a major end-of-term paper or project report.

**History [HIS] Courses**

**HIS 1101 Survey of Western Civilization (to 1500)**

A survey of the principal historical events, forces and movements from the dawn of civilization to the Reformation; ancient, medieval and early modern developments. 3 credits. Fall Semester; day and evening.

**HIS 1102 Survey of Western Civilization (since 1500)**

A survey of modern times, beginning with the Renaissance and Reformation; the rise of national states; the Enlightenment; the Age of Revolutions; and the nineteenth and twentieth centuries. 3 credits. Spring Semester; day and evening.

**HIS 1201 History of the United States: 1896 to Present**

The major economic, social, intellectual, and political movements of the twentieth century in the United States. 3 credits. Every semester; day and evening.

**HIS 1303/PSC 1312 The World in the Twentieth Century**

A study of the evolution of the nation-state system in the twentieth century. Concepts such as imperialism, nationalism, fascism, communism, neocolonialism, power politics and containment are studied. 3 credits. Every semester; day and evening.

**HIS 2308/PSC 2310 Terrorism**

An examination of the use of violence as a form of political behavior. Study of the origins of terror groups. Analysis of current trends and problems. Prerequisite: HIS 1201 or minimum of 15 college credits. 3 credits. Offered as needed.

**HIS/PSC 2320-2323 Current Problems**

Analysis of major economic, social and developmental issues of a region from a global perspective. Lecture/discussion format with lectures conducted by leading figures in academic, political and diplomatic fields. Prerequisite: HIS 1201 or a minimum of 15 college credits. 3 credits. Spring Semester; day.

**HIS/PSC 2320—Current Problems: Asia**

**HIS/PSC 2321—Current Problems: Africa**

**HIS/PSC 2322—Current Problems: Latin America**

**HIS/PSC 2323—Current Problems: Middle East**

**HIS 2330/PSC 2330 War, Peace and Cold War**

This course seeks to review, analyze and evaluate the events surrounding the World War era and its aftermath. From the Japanese invasion of China to the collapse of the Soviet Union, the episodes that mark the period are examined from military, social, economic and political viewpoints.
Prerequisite: HIS 1201 or minimum of 15 college credits. 3 credits. Offered as needed.

HIS/PSC 2380-2389 Nations of the Modern World—Study Abroad

Study abroad. On-site study of the history, politics and culture of a nation or region through department-sponsored tour. Scheduled principally during intersession and/or spring break. Preparation classes and papers are required. Prerequisite: consent of instructor. 3 credits. Offered as needed.

HIS/PSC 2380—France
HIS/PSC 2381—Latin America:
   Argentina, Brazil and Mexico
HIS/PSC 2382—Russia
HIS/PSC 2383—Germany
HIS/PSC 2384—Italy
HIS/PSC 2385—England
HIS/PSC 2386—China
HIS/PSC 2387—Ireland
HIS/PSC 2388—Greece
HIS/PSC 2389—Spain

HIS 2409/PSC 2409 The American Presidents

A study of the historical evolution of the Presidency from the eighteenth century to the present, emphasizing both the institution and the characters of the men who have held the office. Prerequisite: HIS 1201 or minimum of 15 college credits. 3 credits. Offered as needed.

HIS 3202 Ancient History

A study of ancient history from the origin of man to the fall of Rome; contributions made by the ancient world to modern civilization. Prerequisite: HIS 1201. 3 credits. Spring Semester; day.

HIS 3301 Medieval History

A survey of the history of the Middle Ages; feudalism, universities, monarchy, the Church, the Hundred Years’ War.

Prerequisite: HIS 1201. 3 credits. Fall Semester; day.

HIS 3307 American Minorities

A survey of the peoples of the North American continent, with particular emphasis on the United States. Prerequisite: HIS 1201. 3 credits. Offered as needed.

HIS 3310 Latin American History

A survey of Latin American history from pre-conquest days to the present. Prerequisite: HIS 1201. 3 credits. Offered as needed.

HIS 3311 African-American History

A study of African-American life from 1619 to the present, with emphasis placed on the African-American experience in the United States during the twentieth century. Prerequisite: HIS 1201. 3 credits. Offered as needed.

HIS 3312 Renaissance and Reformation

Intellectual and religious movements during the transition from the Middle Ages to modern times. Prerequisite: HIS 1201. 3 credits. Offered as needed.

HIS 3370 History of American Labor

Dedicated to the study of the American worker, this course begins with a study of colonial labor systems, the emergence of nineteenth-century workingmen’s parties and the origin and development of industrial and craft unions. It also treats working-class culture and the work ethic in American history. American labor leaders and labor ideologies are assessed. Labor-management relations and the federal role in labor-management disputes are also studied. Prerequisite: HIS 1201. 3 credits. Offered as needed.
HIS 3401 History of the United States: The Age of Discovery-1789

A survey from the earliest explorations and discoveries to government under the Constitution; the colonial struggle; the dominance of Great Britain; the Revolutionary War; and the Critical Period. Prerequisite: HIS 1201. 3 credits. Fall Semester; day or evening.

HIS 3402 History of the United States: 1789-1896

A study of the United States as it struggled to set its new government into motion; political, economic, cultural and diplomatic developments in the nineteenth century. Prerequisite: HIS 1201 3 credits. Spring Semester; day and evening.

HIS 3403 Modern European History: 1600-1763

A study of the history of Europe from the end of the religious revolts to the end of the Seven Years’ War; the Thirty Years’ War; the commercial revolution; the rise of the nation-state; and the age of absolutism and enlightenment. Prerequisite: HIS 1201. 3 credits. Fall Semester; day.

HIS 3404 Modern European History: 1763-1900

A study of the causes and effects of the French Revolution; the Era of Metternich; emphasis on the Franco-Prussian War; and the growth of nationalism, socialism and democracy. Prerequisite: HIS 1201. 3 credits. Offered as needed.

HIS 3407 Survey of United States Foreign Relations

A survey of American diplomacy from 1775 to the present: Manifest Destiny, the Civil War, the United States as a world power and the United States after two world wars.

Prerequisite: HIS 1201. 3 credits. Offered as needed.

HIS 3410 The American City

The historical evolution of the city, from the foundation of Jamestown to the present day; the major trends in urban development; the importance of the city in American history; and the problems confronting urban America today. Field trips are an important component of the course. Prerequisite: HIS 1201. 3 credits. Offered as needed.

HIS 3415/PSC 3410 Constitutional Law I: The Structure of American Government

This course will investigate, through the study of Supreme Court opinions and the theories underlying those opinions, the meaning of the American Constitution. The course will include the role of the Court in interpreting and enforcing the Constitution; separation of powers; the powers of Congress, the President and the Courts; federal-state relations; and the expansion of national governing powers. Prerequisite: HIS 1201 or PSC 1202 or PSC 1204. 3 credits. Fall Semester; day.

HIS 3416/PSC 3411 Constitutional Law II: Civil Liberties

This course will investigate, through the study of Supreme Court opinions, the relationship between the individual and his or her government in the United States. The course will include the following issues: freedom of expression; the rights of persons accused of crimes; equality before the law; protection of the right to vote; and the rights of citizenship. Prerequisites: HIS 1201 or PSC 1202 or PSC 1204. 3 credits. Spring Semester; day.

HIS 4990 Internship

Students may intern at approved sites under professional supervision. Internships are
available at the national, state and local governments. In addition, internships are available with the United Nations, law firms, museums and historical societies. Internships must be approved by the department chairman and are subject to availability. Prerequisite: HIS 1201. 1-6 credits. Offered as needed.

**HIS 4995 Independent Study**

This course is for students who have a special subject interest not available among the published catalogue offerings. It is usually limited to students with 3.0 indexes or above. Students who believe they qualify must meet with the department chairman. After approval of the project, the student will seek a departmental professor and they will draw up a contract specifying the nature of the work. A paper is usually required in this course. Prerequisite: HIS 1201. 1-3 credits. Offered as needed.

**HIS 4998 Historical Seminar**

Advanced instruction in the methods and skills of critical analysis, research and writing. A research paper is a major requirement of the course. Under the direction of the course instructor, students select a topic suitable for investigation. Students then communicate their results in a clearly presented, properly documented essay. Prerequisites: HIS 1201; 3202 or 3301; 3312 or 3403 or 3404; 3401; and 3402. 3 credits. Fall Semester; day.

**Political Science [PSC] Courses**

**PSC 1202 Introduction to Political Science—Scope and Method**

This survey of the major contemporary trends in political science research enables the student to understand and work with a variety of analytical tools. 3 credits. Every semester; day. Offered as needed in the evening.

**HIS 5420 New York City in the American Urban Experience (Honors Seminar)**

This course employs an interdisciplinary approach to the study of the American city. Utilizing New York City as a model for the evolving urban metropolis, it explores selected themes in the American urban experience from colonial times to the present. Images of the city as portrayed in literature and the popular media are also considered. Guest speakers and walking tours and visits to New York City museums, landmarks and neighborhoods are important methodological components of the course. Open to students in the College honors program only. Prerequisite: HIS 1201. 3 credits. Offered as needed; day.

**HIS 5710 Petrarch to Shakespeare (Honors Seminar)**

Renaissance and Reformation (1300-1600). The course will examine culture, religion and other themes dominating the age. Open to students in the College honors program only. Prerequisite: HIS 1201. 3 credits. Offered as needed; day.
PSC 1304 State and Local Government

Historical background and constitution-making structures and operations of both levels with an emphasis on the politics of local government in New York City and the New York State government; federalism; federal-state-local intergovernmental relations. 3 credits. Every semester; day and evening.

PSC 1306 Metropolitan Government and Politics

Definition of the metropolitan region; traditional urban and suburban forms of government; the politics of reorganization; metropolitan forms of government; regional socio-economic problems and public policies. 3 credits. Offered as needed.

PSC 1312/HIS 1303 The World in the Twentieth Century

A study of the evolution of the nation-state system in the twentieth century. Concepts such as imperialism, nationalism, fascism, communism, neocolonialism, power politics and containment are studied. 3 credits. Every semester; day or evening.

PSC 2302 Government and Politics of Africa and Asia

Regional approach on alternating basis between the two continents; stress on characteristics of the Third-World nations; one-party government, military dictatorship, socio-economic underdevelopment, inter-group conflict, geographic impediment. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2303 American Political Parties

The origins and nature of the two-party system; party organization on the federal, state and local levels; party politics and governmental institutions; the nomination and electoral processes through party; voters and special interests. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2305 Politics and Administration in Latin America

Contemporary government systems of representative nations of the Caribbean, Central and South American regions. The course combines a standard approach (governmental structures and operations) with special emphasis on particularly applicable topics (elite-mass relationship, political instability, economic development, inter-hemispheric politics). Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2309 Public Administration

A study of administration in terms of theory and practice. Closely examines the interrelationships of public administration with the political, governmental and private environments. Surveys decision making, financial administration, administrative organization, legislative and judicial administration and administrative responsibility. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2310/HIS 2308 Terrorism

An examination of the use of violence as a form of political behavior. Study of the origins of terror groups. Analysis of current trends and problems. Prerequisite: HIS 1201 or minimum of 15 college credits. 3 credits. Offered as needed.

PSC/HIS 2320-2323 Current Problems

Analysis of major economic, social and developmental issues of a region from a global perspective. Lecture/discussion format with lectures conducted by leading figures in academic, political and diplomatic fields. Prerequisite: HIS 1201 or a minimum of 15 college credits. 3 credits. Spring Semester; day.
HIS/PSC 2320—Current Problems: Asia
HIS/PSC 2321—Current Problems: Africa
HIS/PSC 2322—Current Problems: Latin America
HIS/PSC 2323—Current Problems: Middle East

PSC 2325 Women and Politics

This course will analyze women and American political life. The Women's Movement and some of the interpretations of its meaning will be reviewed. The cultural roles of women in American society will be studied. This configuration of materials presented will assist in examining the transforming impact that women's actions have on the political process and American political life. It will also examine how politics impact on women in society: expanding the rights of women in employment and education; and familial and reproductive rights. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2330/HIS 2330 War, Peace and Cold War

This course seeks to review, analyze and evaluate the events surrounding the World War era and its aftermath. From the Japanese invasion of China to the collapse of the Soviet Union, the episodes that mark the period are examined from military, social, economic and political viewpoints. Prerequisite: HIS 1201 or minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2340 Culture and Politics of Italy

This course investigates the history, political culture, government structure, economy and social structure of Italy. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2350 The Government and Politics of Russia

Investigates the role of ideology, governmental structure, the nationality component, the political culture, economic planning and decision making in Russia. In addition, the course investigates and explores Russian foreign policy. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed; day.

PSC 2360 The Government and Politics of China

Investigates the political culture, governmental structure, role of ideology, the historical setting and the foreign policy of China. Prerequisite: minimum if 15 college credits. 3 credits. Offered as needed; day.

PSC 2370 The Culture and Politics of Italian-Americans

This course investigates the historical setting of Italy prior to migration, patterns of migration, early experience in America, approaches to upward mobility, political behavior, political subculture, relationships with other ethnic, racial and religious groups and contemporary status, behavior and attitudes of Italian-Americans. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC/HIS 2380-2389 Nations of the Modern World—Study Abroad

Study abroad. On-site study of the history, politics and culture of a nation or region through department-sponsored tour. Scheduled principally during intersession and/or spring break. Preparation classes and papers are required. Prerequisite: consent of instructor. 3 credits. Offered as needed.
HIS/PSC 2380—France
HIS/PSC 2381—Latin America:
   Argentina, Brazil and Mexico
HIS/PSC 2382—Russia
HIS/PSC 2383—Germany
HIS/PSC 2384—Italy
HIS/PSC 2385—England
HIS/PSC 2386—China
HIS/PSC 2387—Ireland
HIS/PSC 2388—Greece
HIS/PSC 2389—Spain

PSC 2404 Government and Business: 1865—Present

A study of the relation of government to business as a control and as an aid; the commerce clause as the source of extended power of government control; decisions of the courts; state police powers. Prerequisite: minimum of 24 college credits. 3 credits. Every semester; day and evening.

PSC 2407 United States Congress

This course examines the evolution of Congress, the principles on which it is based, its method of operation, its struggles and its place in America's future. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2409/HIS 2409 The American Presidents

A study of the historical evolution of the Presidency from the eighteenth century to the present, emphasizing both the institution and the characters of the men who have held the office. Prerequisite: HIS 1201 or minimum of 15 college credits. 3 credits. Offered as needed.

PSC 2424 The United Nations

This course is designed to develop an awareness of the United Nations. Its purpose and the evolution of its functions are examined with special emphasis on its role in the post-Cold War world. Attention is focused on its humanitarian activities; the problem of peacekeeping and peacemaking; the evolution of its structure and new models for reform of the UN. Prerequisite: minimum of 15 college credits. 3 credits. Offered as needed.

PSC 3301 Comparative Government

The course will acquaint students with the government and politics of wide-ranging countries. Determining the essential aspects of governing through functional analysis, the course will focus on Britain, Germany, France, Russia and Japan. Attention will be directed at the changes in China and Iran. Brazil and South Africa will be analyzed. Prerequisite: PSC 1202. 3 credits. Fall Semester; day.

PSC 3405 Introduction to Law and the American Judicial Process

The nature of law and its role in society, the politics of the administration of justice; selection of judges, criminal and civil procedure, judicial and jury decision making, courtroom operations, etc. Prerequisite: PSC 1204. 3 credits. Offered as needed.

PSC 3406 International Relations

Post-World War II international politics viewed through concepts (sovereignty, national interest, power) and the instruments for the conduct of foreign policy (diplomacy, war, global economics, world organizations and international law). Prerequisite: PSC 1202. 3 credits. Offered as needed.

PSC 3410/HIS 3415 Constitutional Law I: The Structure of American Government

This course will investigate, through the study of Supreme Court opinions and the theories underlying those opinions, the meaning of the American Constitution. The course will include the role of the Court in interpreting and enforcing the Constitution; separation of powers; the powers of Congress,
the President and the Courts; federal-state relations; and the expansion of national governing powers. Prerequisite: HIS 1201 or PSC 1202 or PSC 1204. 3 credits. Fall Semester; day.

**PSC 4990 Internship**

Students may intern at approved sites under professional supervision. Internships are available with the national, state and local governments. In addition, internships are available with non-governmental organizations at the United Nations, law firms, museums and historical societies. Internships must be approved by the department chairman and are subject to availability. Prerequisites: PSC 1202 and 1204. 1-15 credits. Offered as needed; day.

**PSC 4995 Independent Study**

This course is for students who have a special subject interest not available among the published catalogue offerings. It is usually limited to students with 3.0 indexes or above. Students who believe they qualify must meet with the department chairman. After approval of the project, the student will seek a departmental professor and they will draw up a contract specifying the nature of the work. A paper is usually required in this course. Prerequisites: PSC 1202 and 1204. 1-3 credits. Offered as needed.

**PSC 4998 Political Science Seminar**

A thesis seminar for political science majors. The main project is a research paper in one of the sub-disciplines of political science. The students develop a research design based on the methodology utilized in the political science courses. Prerequisites: PSC 1204; 3301; 3406. 3 credits. Offered as needed; day.
Social Studies [SS] Courses

SS 3320 Lewis and Clark to the Space Age, 1803-2003

A lecture series on the expansion of the United States over the past 200 years. Beginning with the purchase of Louisiana by Thomas Jefferson, the lectures cover the transcontinental railroad, the Mexican acquisition, the explosive growth of world events, the space age and a series of new frontiers as a superpower. Prerequisite: HIS 1201. 3 credits. Fall Semester 2003; day.

SS 3330 Civil Rights, 1954-2004

A lecture series on the civil rights movement of the past fifty years. Beginning with two intensive survey lectures on the background of race in America, the lectures move to presentation on the Brown v. Board of Education case, the Montgomery bus boycott and the national focus of policy and legislation designed to correct centuries of segregation and discrimination in America. Prerequisite: HIS 1201. 3 credits. Fall Semester 2004; day.

SS 4995 Independent Study

This course is for students who have a special subject interest not available among the published catalogue offerings. It is usually limited to students with 3.0 indexes or above. Students who believe they qualify must meet with the department chairman. After approval of the project, the student will seek a departmental professor and they will draw up a contract specifying the nature of the work. A paper is usually required in this course. Prerequisite: HIS 1201. 1-3 credits. Offered as needed.

SS 4998 Social Studies Seminar

A thesis seminar. Advanced instruction in the methods of research, analysis and writing. Students are required to complete a research paper indicating mastery of the content and skills taught in the major. Prerequisites: ECO 1201; HIS 1201; PSC 1204; SOC 203. 3 credits. Fall Semester; day.
Psychology

Office: Room 6068  
Phone: (718) 489-5286

Chairman  
Dr. Steven A. Anolik

Adjuncts  
Alicea  
Bourgeois  
Broman  
Karitanos  
Magdaleno  
Pagan  
Perrone  
Polnariev  
Toussaint  
Walsh

Professors  
Anolik  
Gielan

Assistant Professors  
Goodstein  
Hirsch  
Lancaster

Department Mission

The Psychology Department offers a major in psychology, combining methodological and theoretical courses with fieldwork and the development of applied skills. Students learn about the origins and foundations of psychology through a wide array of courses and activities, including statistics, developmental psychology, the psychology of learning, social psychology, history and systems of psychology, experimental psychology, theories of personality, abnormal psychology, brain and behavior, seminar in cross-cultural psychology, seminar in identity and multiculturalism and seminar in health psychology. The department prepares students for the applied fields in psychology through courses in tests and measurements, group dynamics, industrial and organizational psychology, addictions, the psychology of the exceptional child, applied psychology and field experience in psychology.

Goals and Objectives

Develop in students the knowledge of the scientific foundations in psychology and how research is conducted in the field.

Require all students to demonstrate their understanding of research by conducting their own experimental study through a thesis project.

Strengthen students’ awareness of careers in psychology through applied courses, including field experience and through advisement by faculty.

Provide students with extracurricular activities to enhance their knowledge and appreciation of psychology through club activities, symposia and field trips.

Encourage faculty in psychology to support and carry out departmental goals through an atmosphere of mutual respect for both colleagues and students.
Institute for International and Cross-Cultural Psychology

Directed by Dr. Uwe P. Gielen, the Institute for International and Cross-Cultural Psychology was founded in 1998. The institute sponsors research, publications, conferences and lectures by visiting scholars, as well as workshops in international and cross-cultural psychology. It is designed to help internationalize the psychology curriculum at St. Francis College.

Requirements for Department Majors and Minors

**Major in Psychology—Required Courses and Credits**

A major in psychology, when combined with a broad program of other courses, prepares the student for future careers in mental health, social service, experimental research, business and law. The program provides a solid foundation for future graduate studies at the master’s and doctoral levels in areas such as clinical, forensic, developmental, school, counseling, experimental and industrial-organizational psychology. There are opportunities for supervised field placement and independent research.

Core curriculum, including 6 credits of Natural Science ...........................................42
Foreign Language .............................................................................................................6
Mathematics .....................................................................................................................3
Psychology 100; 101; 203; 205; 207; 300; 411; 416; 417; 420; 460 and 470 .................41
Two courses from Psychology 307; 312; 313 and 409 .................................................6
Free electives ....................................................................................................................28
Health Science 100A or 100B or Physical Education 100 [A-L].................................2
The satisfactory completion of PSY 416 and PSY 417 satisfies the College’s Comprehensive Examination/Thesis requirement.

**Total credits required .................................................................128**

**Minor in Psychology—Required Courses and Credits**

Psychology 100; 101; 203 and 411 ................................................................................12
Two courses from Psychology 307; 312; 313 or 409 .................................................6

**Total credits required ........................................................................18**

**Psychology [PSY] Courses**

**PSY 100 General Psychology (formerly PSY 201)**

General introduction to the basic concepts, methods and findings of contemporary psychology. 3 credits. Every semester; day. Offered as need in the evening.

**PSY 101 Introduction to Psychological Research**

Designed for psychology majors, minors and undeclared students with a strong interest in psychology. Introduction to basic principles of research in psychology. Students learn about the scientific method, how to search for and evaluate psychological research and conduct simple psychological experiments to illustrate what has been learned in PSY 100. Students will also learn APA style and basic
methods of evaluating data using computer software. Prerequisite: PSY 100. Three lectures and one lab hour per week. 4 credits. Fall and Spring Semesters; day. Offered as needed in the evening and Summer Semester.

**PSY 203 Developmental Psychology I: Child and Adolescent Psychology**

Human development from conception through adolescence; examination of physical, cognitive, emotional and behavioral changes. 3 credits. Every semester; day. Offered as needed in the evening.

**PSY 204 Developmental Psychology II: Adulthood and Aging**

A study of the adult life cycle covering early, middle and late adulthood. 3 credits. Spring Semester; day.

**PSY 205 Psychology of Learning**

Major theories of learning and significant research findings in the areas of learning, memory, motivation and behavior modification. Students are required to conduct an experimental study as part of the course requirements. Prerequisite: PSY 101. 3 credits. Spring Semester; day.

**PSY 207 Tests and Measurements**

The theoretical framework, underlying principles and techniques of psychological tests; emphasis is placed upon applied techniques of intelligence testing, interviewing, career assessment and personality testing. Prerequisite: PSY 100, 101. 3 credits. Fall Semester only; day.

**PSY 208 Life-Span Development**

A one-semester course designed to cover all of the significant stages of development including infancy, childhood, adolescence and adulthood. 3 credits. Offered as needed; day and evening.

**PSY 214 Human Sexuality**

A social-psychological approach to the study of human sexual behavior. All sexual behaviors (autoerotic, bisexual, heterosexual, homosexual and others) are studied, along with historical, anthropological and moral perspectives. 3 credits. Every semester; day. Offered as needed in the evening.

**PSY 225/HS 305 Coping with Stress**

This interdisciplinary course explores theories, research and techniques related to the impact and management of stress. Emphasis upon the application of stress reduction techniques through class exercises in progressive muscle relaxation, autogenic and imagery training, systematic desensitization, assertiveness training, time management and problem-solving. 3 credits. Offered as needed; day and evening.

**PSY 230/ED 202 Educational Psychology**

A study of the application of psychological theory and research to educational practice from a developmental perspective. Topics include: human growth and development, learning theory, teaching effectiveness and differentiating instruction and classroom management. Technology assisted education. A grade of B or higher in this course is required for admission into the teacher education program. Pre-requisite: Open to all students with an Overall GPA 2.75. Field Experience: 15 hours. 3 credits. Fall Semester; day and evening.

**PSY 231/ED 402 Assessment and Evaluation**

An introduction to statistical methodology, reliability and validity applied to formal and informal assessment techniques in the classroom. Development and use of rubrics across the curriculum. Evaluation of high stakes testing programs related to local, state and national curriculum and learning standards.
Prerequisite: A grade of B or higher in ED 201 and ED 202; student has passed the LAST test. Field Experience: 15 hours. 3 credits. Every semester; day and evening.

**PSY 300 Statistical Methods in Psychology**

Intended for sophomores. The use of statistics in psychology; descriptive and inferential techniques, prediction and tests of significance. Use of computers in statistical analysis is emphasized. Prerequisite: PSY 101. Three lectures and one lab hour per week. Proficiency in MAT 070. 4 credits; Every semester; day.

**PSY 301/HS 301 Health Counseling**

Not intended for psychology majors. This interdisciplinary course focuses on both issues and techniques of health counseling. It investigates ways in which a health professional can detect needs of clients and work cooperatively to foster better health. It explores the helping relationship’s impact on health behavior. 3 credits. Offered as needed; day and evening.

**PSY 307 Theories of Personality**

A comparison of major personality theories with special focus on personality development and personality structure. Prerequisite: Three PSY courses. 3 credits; Spring Semester only; day. Offered as needed in the evening.

**PSY 312 Social Psychology**

Selected topics in conformity, obedience, sexual attitudes and behavior, aggression, prejudice and the contrast between biological and social views of human nature. Prerequisite: PSY 100, 101. 3 credits; Fall Semester only; day.

**PSY 313 Group Dynamics**

An introduction to group processes. Emphasis is placed upon individual members’ psychological functioning. Students engage in classroom activities that demonstrate styles and methods of group interaction. 3 credits; Spring and Summer Semesters; day and evening.

**PSY 317 Industrial and Organizational Psychology**

Psychological theories, methods, research and specific applications concerning work behavior are discussed. Topics include selection and evaluation of personnel, training and development, leadership, work motivation, psychological conditions of work, consumer psychology and the role of psychologists in business environments. 3 credits. Offered as needed; day and evening.

**PSY 329 Psychology of Women**

A general survey of the role of women and current modes of psychological adjustment in the face of our changing social structure. 3 credits. Offered as needed; day.

**PSY 330/CJ 209A Addictions I**

Review of research and theories concerning all forms of addiction, including drug, alcohol, gambling and sex addictions. Prerequisite: SOC 203. 3 credits. Offered as needed.

**PSY 331/CJ 209B Addictions II**

Review of therapeutic techniques for all forms of addictive behavior. Outside resources will be used to supplement class materials. Prerequisite: PSY 330/CJ 209A. 3 credits. Offered as needed.

**PSY 333/ED 204 Psychology of the Exceptional Child**

Considers the physical, intellectual, emotional and social characteristics of the atypical child. It explores discrepancies in growth and development, learning
disabilities, behavioral and societal problems of the gifted and handicapped and the implications for curriculum and instruction to meet and exceed state and local learning standards. This course will fulfill part of the Special Education requirement for NY State Certification and New York City teaching licenses. Prerequisite: Open to all students with an overall GPA of 2.75. Field experience: 15 hours. 3 credits. Every semester, including summer; day and evening.

PSY 352, 353/REL 352, 353 Images of Human Nature in Western, Indigenous and Eastern Cultures: An Interdisciplinary Honors Seminar I, II

Students in this seminar are exposed to conceptions of human nature as they have existed in Eastern and Western cultures. The seminar focuses upon universal aspects of human experience and on unique historical and cultural conceptions of human identity. These conceptions may be expressed in art, myths, literature, sacred books, philosophical or political treatises, etc., and are in various ways reflected in day-to-day living. The seminar is team-taught, stresses broad interdisciplinary perspectives and emphasizes original readings. Visits to plays, operas, movies and museums form an integral part of the seminar. Open only to Honors Program scholars. 3 credits per semester. Offered as needed; day.

PSY 380/ICS 380 Cross-Cultural Psychology and Communication

An introduction to the theories, methods and findings of cross-cultural psychology, with special attention given to communication and encounters between members of different cultures. Socialization, moral and personality development, gender roles, abnormal behavior, belief systems, culture contact, culture change and problems of identity in and across societies are considered. Prerequisite: ICS 240-241 or two PSY courses. 3 credits. Spring Semester 2005; day.

PSY 409 Abnormal Psychology

Study of maladaptive behavior focusing on emotions, social behavior, thoughts and treatment. Emphasis is placed upon the consideration of biological, psychosocial and socio-cultural viewpoints of abnormal behavior. Prerequisite: PSY 101 and 203. 3 credits. Every semester; day.

PSY 411 History and Systems of Psychology

The history of modern psychology since the seventeenth century. Emphasis is placed upon the major schools of thought including structuralism, functionalism, behaviorism, psychoanalysis and humanistic psychology. Prerequisite: Four PSY courses. 3 credits. Fall Semester; day. Offered evenings and other semesters as needed.

PSY 415 Clinical and Counseling Psychology

A survey course dealing with the fields of clinical and counseling psychology. Areas covered include the historical record of these disciplines, diagnosis and assessment and approaches to therapeutic interventions. Students are required to fulfill a twenty-hour introductory field placement within a clinical or counseling setting. Prerequisites: PSY 100, 101 and 409. 3 credits. Offered as needed; day.

PSY 416 Experimental Psychology I (formerly PSY 400)

Research methodology emphasizing experimental design. Students learn how to conduct and report upon experimental research. This course partially satisfies the requirement for the senior thesis in psychology. Prerequisites: PSY 101 and 300. Three lecture and one lab hour per week. 4 credits. Fall Semester; day. Offered as needed in the spring.
PSY 417 Experimental Psychology II (formerly PSY 401)

Research techniques applied in the laboratory and in the field. Students choose a major research topic to investigate. They then conduct research, including a literature review, development of research procedures, gathering of appropriate subjects, collection of data, statistical analysis and a significant research report guided by the American Psychological Association publication style. Students also present their projects at a Psychology Science Fair held each Spring Semester at the College. This course satisfies the requirement for the senior thesis in psychology. Prerequisites: PSY 101, 300 and 416. Three lectures and one lab hour per week. 4 credits. Spring Semester; day.

PSY 420 Applied Psychology

Supervised experience in selected applied settings, including schools, hospitals, community clinics, social service agencies, city and federal forensic agencies and business settings. Open to junior or senior psychology majors. Lectures inform students about career choices in psychology and related disciplines. Two lecture hours per week. A 100-hour supervised field experience is required. 4 credits. Fall Semester; day.

PSY 421, 422 Field Experience in Psychology I, II

Observation and supervised experience within selected applied settings. Prerequisite: PSY 420. 1-3 credits per semester. Every semester; day.

PSY 455, 456 Independent Research in Psychology I, II

Individual investigation into a topic of research in psychology under the direction of a faculty member of the department. Prerequisite: PSY 417 and approval of the department chairman. 3 credits. Every semester; day.

PSY 460 Brain and Behavior

Study of the brain and other parts of the nervous system. Topics covered include the organizational structure of the nervous system, and neurological influences upon learning, memory, motivation, emotion, sleep and arousal and mental illness. Prerequisite: Four PSY courses. 3 credits. Spring Semester; day. Offered as needed other semesters.

PSY 470 Seminar in Psychology

This course covers one particular topic for each section offered. Topics include but are not limited to the psychology of multiculturalism, cross-cultural and international psychology, school psychology, clinical and counseling psychology, health psychology, and forensic psychology. Topics are chosen to reflect both the interests of the students and current areas of concern in psychology. Students are allowed to take two seminar courses. Prerequisites: Four psychology courses. 3 credits. Spring Semester; day. Offered as needed other semesters and in the evening.
Sociology and Criminal Justice

Office: Room 202S
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Chairman
Dr. Michael Kaune

Associate Professor
Kaune

Assistant Professors
Ellis-Davis
Mathur

Adjuncts
Boian
Bruno
Capela
Ford-Anderson
Fox
Gjelaj
Ketcham
Kimmel
Long
Lynn
Pollini

Department Mission

Sociology is a dynamic field of contemporary study that seeks to analyze and understand societal structures and functioning. The field contributes substantially to the goals of liberal education.

The sociology major is recommended both for students seeking the traditional liberal arts degree and also for those students seeking an interdisciplinary program with emphasis on the contemporary urban situation. It trains the student to think analytically and critically, and thus provides an excellent foundation for graduate studies. The study of sociology also fosters the values of competence and integrity, both of which are necessary for moral citizenship. At the same time, the sociology curriculum provides an interdisciplinary program with an emphasis on the current urban situation. From this perspective, it is recommended for students planning to enter the fields of law, law enforcement, community organization, probation and parole and social service.

The sociology curriculum assists students in making occupational choices. Field experience with academic credit is available to qualified students. The concentration in social work gives a foundation for students intending to acquire the graduate degree for professional social work. It also prepares students for entry-level para-professional work in the human services. Students planning careers in prison service, probation and parole and police work will also benefit from this program of study.

Finally, students in other programs may strengthen their understanding of social institutions and organizations by minoring in sociology.
Requirements for Department Majors and Minors

Major in Sociology—Required Courses and Credits

Core curriculum .................................................................................................................................................. 42
Economics 1201 and 2308 ................................................................................................................................. 6
Two courses in one foreign language or two courses in information technology ........................................ 6
Mathematics or Science .................................................................................................................................. 6
Political Science 2304 or 2306 ......................................................................................................................... 3
Psychology 100 and 312 or 313 ......................................................................................................................... 6
Sociology 301; 311; 312; 400; 402 or 407; 404; 411 and 303A-303B or 308A-308B; 600 .................................................................. 30
Sociology electives .......................................................................................................................................... 9
Free electives .................................................................................................................................................. 18
Health Science 100A or 100B or Physical Education 100 [A-L] ....................................................................... 2
Total credits required ....................................................................................................................................... 128

* If mathematics is used to satisfy the core curriculum requirement, then science must be selected or vice versa.

Major in Sociology—Concentration in Social Work—Required Courses and Credits

Core curriculum .................................................................................................................................................. 42
Sociology 301; 308A; 308B; 310; 311; 312 or 313; 318; 400; 402; 404 and 411 ................................................... 33
Economics 1201 and 2308 ................................................................................................................................. 6
Mathematics or Science .................................................................................................................................. 6
Psychology 100; 203; 204; and 312 or 313 ...................................................................................................... 12
Two courses in one foreign language or two courses in information technology other than IT 101 .............................................................................................................................................. 6
Information Technology 101 ........................................................................................................................... 3
Free electives .................................................................................................................................................. 18
Health Science 100A or 100B or Physical Education 100 [A-L] ....................................................................... 2
The completion of an acceptable senior thesis satisfies the College's Comprehensive Examination/Thesis requirement.
Total credits required ....................................................................................................................................... 128

* If mathematics is used to satisfy the core curriculum requirement, then science must be selected or vice versa.

Minor in Sociology—Required Courses and Credits

Sociology has relevance for almost every academic major. In the fields of business and accounting, graduates are expected to have some sociological sophistication. The other social and behavioral sciences—economics, political science, psychology—require basic sociological knowledge. Students aspiring to the world of communications also need more than a passing understanding of today's society. The sociology minor aims to provide these students with a concentration in sociology to complement their chosen major fields.
Sociology 203; 301 and 311 or 404 ............................................................................................................. 9
Two elective courses to be selected in consultation with Sociology
Department faculty ............................................................................................................................ 6
Total credits required ....................................................................................................................... 15

Major in Criminal Justice—Required Courses and Credits

The preservation of peace, the protection of life and property, the safeguarding of civil liberties and the maintenance of social order and domestic tranquility are all essential to the survival of a free society. The objectives of the criminal justice curriculum are to instruct the student in the systems and institutions of American society which function to implement these values and to nurture respect for them. For both majors and non-majors, this curriculum aims to instruct concerning police, courts, probation, parole, institutionalization; e.g., the strengths and weaknesses of the American criminal justice system. Students who elect to pursue this degree often have vocational goals that include law and/or law enforcement, corrections in general, courts-related occupations or private security. While this curriculum does not train students for specific occupations, it does provide a desirable background for students with such aspirations.

Credits

Core curriculum ................................................................................................................................. 42
Criminal Justice 200; 201; 204; 206; 215; 217; 300; 301; 302; 400 .................................................. 30
Criminal Justice electives ................................................................................................................ 12
Sociology 301, 311, 411 ..................................................................................................................... 9
Information Technology 101 ........................................................................................................... 3
Psychology 100 ............................................................................................................................... 3
Two courses in a foreign languages or two courses in information technology
other than IT 101 ............................................................................................................................... 6
Liberal Arts Electives ....................................................................................................................... 9
Free electives .................................................................................................................................... 12
Health Science 100A or 100B or Physical Education 100 [A-L] ....................................................... 2
Total credits required ....................................................................................................................... 128

Associate in Applied Science in Criminal Justice—Required Courses and Credits

Students applying for Criminal Justice Associate Degrees must take at least 9 credit hours in Criminal Justice courses at St. Francis College, including CJ 200 and CJ 201.

Credits

Core curriculum ................................................................................................................................. 30
Criminal Justice 200 and 201 ........................................................................................................... 6
Criminal Justice Electives ................................................................................................................ 9
Political Science 2304, 2306 or 3405 ................................................................................................. 3
Psychology 100 and 312 or 313 ...................................................................................................... 6
Sociology 301 .................................................................................................................................. 3
Free Electives ................................................................................................................................. 6
Total credits required ....................................................................................................................... 63
SOC 203 Principles of Sociology

An analysis of the basic structure and dynamics of society; social interaction, social organization, social change, social processes; a summary of ideas of seminal sociologists. This course is a prerequisite for all sociology courses and for CJ 200. 3 credits. Every semester; day and evening.

SOC 301 Social Problems

An inquiry into the nature of social problems, both causes and consequences, within a complex industrial society, from a sociological perspective. Special emphasis is given to problems of contemporary American society and current events. Prerequisite: SOC 203. 3 credits. Offered during the day in Fall Semester and in the evening in Spring Semester.

SOC 303A/CJ 200 Criminology

The course will explore the study of crime causation, primarily from a sociological perspective. The student will be introduced to theories that explain the patterns of criminal and delinquent behavior in contemporary society. Prerequisite: SOC 203. 3 credits. Fall Semester.

SOC 303B/CJ 201 Introduction to Criminal Justice

This course introduces the student to the structure, operations and philosophy of the American system of criminal justice. 3 credits. Every semester.

SOC 305 Social Anthropology

An inquiry into the concept of culture as applied to both simple and complex societies; the ethnology of pre-literate peoples with emphasis on social, economic, and political organization. Prerequisite: SOC 203. 3 credits. Offered every other Spring Semester.

SOC 307/ICS 307 Caribbean Culture and Society

The societies of the English-, French- and Dutch-speaking Caribbean are the outcome of mass movements of population through slavery, indenture and migration. This course examines important aspects of the complex cultural variants that have resulted against the background of the economic, social and political forces that produced them: cultural communities from Africa and Europe, patterns of race and ethnic relations, forms of cultural expression, the family and class structures. Another focus is on issues that form contemporary Caribbean society, such as the impact of tourism, poverty, emigration, links with America and Europe, problems of ethnic and racial identity and pressures on women and the family. Students develop an appreciation of Caribbean culture, of the challenges facing Caribbean societies and the cultural resources available to meet them. Prerequisite: SOC 203. 3 credits. Spring Semester; day.

SOC 308A Introduction to Social Work

Designed to introduce students to the field of social work; deals with the history and philosophy of social work; analyzes the three major areas of social work: case work, group work and community organization; describes the major programs for special client groups: families, children, the elderly, the mentally ill, the handicapped, etc. Students are also introduced to the field of counseling and different therapeutic strategies. Prerequisite: SOC 203. 3 credits. Fall Semester; day.

SOC 308B Social Work Practicum

Students are given the opportunity to work as interns in a social work-related field. In addition, students participate on a weekly basis in the classroom environment where they integrate their field work experience with their
theoretical study. Prerequisite: SOC 203 and SOC 308A; junior or senior status. 3 Credits. Offered every other year.

SOC 309 Sociology of Communication

Primary and secondary communication systems; language in socialization, social organization and social control; theories of communication; modern mass communication media; structure, content, and effects. Prerequisite: SOC 203. 3 credits. Fall Semester; day.

SOC 310/CJ 205 Child Welfare

Traces the development of rights of the child in relation to parental rights; explores the methods of care of dependent and neglected children in their own homes, foster homes and institutions; reviews the adoption process and the social trends toward integration in family and child care. Prerequisite: SOC 203. 3 credits. Fall Semester; day.

SOC 311 Social Research Methods

This course introduces students to the methods and techniques of sociological research. The stages of research are described. Prerequisite: SOC 203. 3 credits. Fall Semester; day.

SOC 312/CJ 206 Sociology of Minority Groups

The course will analyze interactions among racial, ethnic and religious groups in the United States. Included will be the study of the structure, dynamics and problems in this topic. Prerequisite: SOC 203 and CJ 201. 3 credits. Fall Semester.

SOC 318/CJ 218 Law and Society

This course explores the socio-historical roots of law in a comparative manner. Law is examined from a variety of theoretical perspectives. The organization of law, its role in conflict resolution, social control and social change are examined. Prerequisite: SOC 203. 3 credits. Fall Semester; day.

SOC 319 Conflict Resolution

This seminar course applies theories of conflict resolution to case studies of interpersonal and inter-group conflicts; surveys major traditions of non-violence and studies approaches to conflict resolution, with an emphasis on methods of mediation. Prerequisite: SOC 203. 3 credits. Fall Semester.

SOC 400 Sociology Seminar

A coordinating seminar for senior sociology majors only, for the purpose of integrating sociological knowledge and for considering sociology's scientific status, the place of values in the study of society and the relationship of sociology to other academic fields. Prerequisites: SOC 411 and senior status. 3 credits. Every semester; day.

SOC 402 Sociology of the Family

The structure and functions of the family; comparison of families in primitive and industrial societies in order to demonstrate the nature of problems associated with institutional change and civilization processes. Prerequisite: SOC 203. 3 credits. Offered every other Fall Semester.

SOC 404 Theory and History of Sociology

A systematic survey of the growth of sociological theory; a study of influential individuals and representative schools from Auguste Comte to the present day. Prerequisite: SOC 203. Junior or senior status. 3 credits. Fall Semester; day.

SOC 407 Sociology of Religion

A sociological approach to the institution of religion. The role, development and emergence of religions are critically analyzed. Special emphasis will be given to conversion
and religious consciousness in industrialized and modernized cultures. Prerequisite: SOC 203. 3 credits. Offered every other Spring Semester.

**SOC 408 Complex Organizations: Structure and Process**

The course covers all types of organizations: business, government, social welfare, education, medicine, voluntary, etc.; examines how structure contributes to processes such as power and conflict, leadership and decision-making, communication and change, etc.; shows how organizations interact with each other and with society in general. Prerequisite: SOC 203. 3 credits. Offered as needed.

**SOC 410 Contemporary Migration (Honors Seminar)**

This course takes a multi-disciplinary approach to the study of contemporary migration. The major focus is on the United States, with an international context. Migration is related to many central issues for contemporary society, such as international relations, the development of cities, urban politics, social policy, citizenship and racial and ethnic identity. Prerequisite: SOC 203. 3 credits. Offered as needed.

**SOC 411 Quantitative Methods for Sociology**

In this course, students will be instructed in the use of specific statistical measures; the rationales for their use; the limitations of statistical inference and the computation of data. Sociological data will be used throughout. Prerequisite: SOC 203. SOC 311 recommended. 3 credits. Spring Semester; day.

**SOC 500 Independent Study**

Individual research or field work under the direction of a faculty member with the approval of the department chairman only. Prerequisite: SOC 203. Junior or senior status. 1-3 credits. Offered every semester as students qualify; day.

**SOC 600 Internship**

Interns are matched with approved organizations that provide exposure to applied sociology. Approval of the department chairman is required. Prerequisite: SOC 203; SOC 311 and junior or senior status. 1-3 credits. Offered every semester as students qualify; day.

**Criminal Justice [CJ] Courses**

**CJ 200/SOC 303A Criminology**

The course will explore the study of crime causation, primarily from a sociological perspective. The student will be introduced to theories that explain the patterns of criminal and delinquent behavior in contemporary society. Prerequisite: SOC 203. Required course for the criminal justice major. 3 credits. Fall Semester.

**CJ 201/SOC 303B Introduction to Criminal Justice**

This course introduces the student to the structure, operations and philosophy of the American system of criminal justice. Required course for the criminal justice major. 3 credits. Every semester.

**CJ 202 Problems of Urban Law Enforcement**

The role of the law enforcement officer in the modern urban setting will be studied. Particular attention will be paid to the use of community policing and the operation of law enforcement in a multicultural setting. Prerequisite: CJ 201 This course is a criminal justice elective. 3 credits. Every other Spring Semester.
CJ 204 The Sociology of Correctional Institutions

This course will address many issues concerning correctional institutions, for example: the organization and function of the prison system; the role of the corrections officer in the rehabilitative process; modern thought concerning prison reform; the character of the modern prisoner; and prisoners' and officers' rights. Prerequisite: CJ 201. Required course for the criminal justice major. 3 credits. Every other Spring Semester.

CJ 205/SOC 310 Child Welfare

Traces the development of rights of the child in relation to parental rights; explores the methods of care of dependent and neglected children in their own homes, foster homes and institutions; reviews the adoption process and the social trends toward integration in family and child care. Prerequisite: SOC 203. This course is a criminal justice elective. 3 credits. Fall Semester; day.

CJ 206/SOC 312 Sociology of Minority Groups

The course will analyze interactions among racial, ethnic and religious groups in the United States. Included will be the study of structure, dynamics and problems in this topic. Prerequisites: SOC 203 and CJ 201. Required course for the criminal justice major. 3 credits. Fall Semester.

CJ 209A/PSY 330 Addictions I

Review of research and theories concerning all forms of addictive behavior, including drug, alcohol, gambling and sex addictions. Prerequisite: SOC 203. This course is a criminal justice elective. 3 credits. Offered as needed.

CJ 209B/PSY 331 Addictions II

Review of therapeutic techniques for all forms of addictive behavior. Outside sources will be used to supplement class materials. Prerequisite: CJ 209A/PSY 330. This course is a criminal justice elective. 3 credits. Offered as needed.

CJ 210 Forensic Science

This course will introduce the student to the techniques of scientific criminal investigation with emphasis on the value of various scientific aids to the officer, detective or field investigator. This course will examine techniques used in investigating major criminal cases such as kidnapping, arson, bombings and organized crime. Prerequisite: CJ 201. This course is a criminal justice elective. 3 credits. Offered as needed.

CJ 211 Security and the Private Sector

This is an introduction to the field of private security. An overview of security organizations, policies and personnel is presented. Prerequisite: CJ 201. This course is a criminal justice elective. 3 credits. Offered as needed.

CJ 212/AV 355 Aviation Security

The course will analyze the security procedures, programs, systems and equipment in the aviation industry. Pertinent legislation concerning aviation security is reviewed from a historical and modern perspective. Prerequisite: CJ 201. This course is a criminal justice elective. 3 credits. Offered as needed.

CJ 213 Organized Crime

The course will trace the history and development of organized crime in this country. Investigative techniques for penetrating organized criminal activities and prosecution strategies will be discussed. Prerequisite: CJ 201. This course is a criminal justice elective. 3 credits. Offered as needed.

CJ 214 Juvenile Justice

The nature, prevalence and causality of juvenile delinquency are studied in this course. The criminal justice system's response to delinquency is also discussed in detail.
Prerequisite: CJ 201. Required course for the criminal justice major. 3 credits. Offered every other Fall Semester.

**CJ 215 Probation and Parole**

The historical and legal foundations of the modern practices of probation and parole in America are studied. The course will emphasize the administration and organization of the probation and parole system. Prerequisite: CJ 201. Required course for the criminal justice major. 3 Credits. Offered every other Spring Semester.

**CJ 216 White-Collar Crime**

The course will study the history and prevalence of occupational, corporate, and computer crimes in a modern setting. Investigative and prosecution strategies will also be addressed. Prerequisite: CJ 201. This course is a criminal justice elective. 3 credits. Offered as needed.

**CJ 217 Rights of the Accused and the Victim**

This course will present a legal review of the constitutional, statutory and procedural rights of the accused in the matters of lawful arrest, fair trial and just sentence. Prerequisite: CJ 201. Required course for the criminal justice major. 3 credits. Spring Semester.

**CJ 218/SOC 318 Law and Society**

The course explores the socio-historical roots of law in a comparative manner. Law is examined from a variety of theoretical perspectives. The organization of law, its role in conflict resolution, social control and social change are examined. Prerequisite: SOC 203. This course is a criminal justice elective. 3 credits. Fall Semester; day.

**CJ 300 Internship**

Students may intern at approved sites under professional supervision. Internships must be approved by the department chairman and are subject to availability. Prerequisites: a minimum of 24 criminal justice credits and junior or senior status. Required course for the criminal justice major. 1-3 credits. Offered every semester as students qualify.

**CJ 301 Criminal Law**

This course provides a survey of the basic elements of American criminal law and provides an analysis of current legal issues. Particular attention is given to state laws in New York. Prerequisite: CJ 201. Required course for the criminal justice major. 3 credits. Fall Semester.

**CJ 302 Police Practices and Procedures**

This course provides the student with a comprehensive review of current police practices and procedures. Particular attention will be paid to the development of police ethics; control of corruption; and the administration of a large police agency. Prerequisites: CJ 201. Required course for the criminal justice major. 3 credits. Spring Semester.

**CJ 400 Criminal Justice Senior Thesis**

A culminating seminar for senior criminal justice majors only. This course will integrate concepts, knowledge and practices that the student has acquired during the course of his/her studies in criminal justice. The student will produce a paper of scholarly status on a selected topic of criminal justice research. Prerequisites: a minimum of 30 Criminal Justice credits and senior status. Required course for the criminal justice major. 3 credits. Every semester.
CJ 401 Criminal Justice Independent Study

This course allows the student to engage in a semester-long detailed examination of a criminal justice topic. The course may be taken only with the permission of the instructor and the department chairman. Prerequisites: CJ 201. This course is a criminal justice elective. 1-3 credits. Offered as needed.
DIVISION OF MANAGEMENT SCIENCE

To graduate students of integrity and responsibility with a sound foundation in Liberal Arts and with the necessary professional courses and skills to acquire and develop a career in business, government, and commerce, the Division of Management Science is responsible for developing and offering business-related and professional courses.

Departments:
- Accounting and Business Law
- Aviation Management
- Information Technology
- Management
Accounting and Business Law

Office: Room 510R
Phone: (718) 489-5283

Chairman
Dr. Geoffrey R. Horlick

Professor Emeritus
Diamond

Professors
Horlick
Yellin

Adjuncts
Celano
Friedman
Keller
Lesman
Rubin

Assistant Professors
Breschel
Nogara

Department Mission

Within the context of a liberal education, the Accounting and Business Law Department seeks to provide all management and accounting majors with the appropriate skills, knowledge and abilities to become successful professionals.

The accounting major prepares the student for a career in public accounting, private accounting (corporate) or not-for-profit accounting (government agencies, foundations and associations such as hospitals, religious organizations and arts groups). Upon satisfactory completion of the major in accounting, the student may sit for professional certification examinations such as the CPA exam or CMA exam. The degree requirements are fully registered with the State of New York.

Internship programs that provide a guided practical experience in corporate, public and not-for-profit accounting are occasionally available to students. Graduates of the accounting program of St. Francis College have been employed by a broad range of CPA firms, corporations, banks, brokerage houses, manufacturing firms, retail establishments, governmental agencies and not-for-profit groups.

Goals and Objectives

To provide students with the ability to prepare and interpret financial statements in accordance with generally accepted accounting principles, auditing standards and other appropriate professional pronouncements of the accounting profession.

To provide students with the ability to use current computer software applicable to specific accounting procedures.

To provide students with the opportunity to engage in research and prepare written oral presentations.

To encourage mutual respect between faculty and students and to graduate students who will conduct themselves in an appropriate professional manner, with honesty and integrity in all professional endeavors.
**SPECIAL NOTE FOR STUDENTS SEEKING CPA CERTIFICATION**

**Current Requirement**

The curriculum currently offered by St. Francis College for accounting majors (indicated below) is registered with New York State and satisfies all current requirements of the State for sitting for the CPA examination. To obtain a license to practice as a CPA in New York State, the individual must pass the CPA exam and have two years of appropriate professional experience (reduced to one year if the individual possesses a master's degree).

**The 150-hour requirement—CHANGE COMING IN 2009**

On or after August 1, 2009, New York State will require that individuals who apply for licensure in public accountancy must have completed a registered 150-credit-hour program or the equivalent. In addition, the experience requirement will be reduced from two years to one year for applicants who complete a 150-hour registered program in public accountancy or its equivalent.

**The curriculum for accounting majors seeking CPA certification at St. Francis College**

The curriculum for accounting majors seeking CPA certification will change in accordance with requirements of New York State. The changes (already approved by New York State) will be introduced in 2004 (applicable to graduates of 2009). The curriculum will provide students with the additional courses needed to meet the State requirements. Students will be required to take 21 additional credits (7 courses) in order to sit for the CPA exam.

**Requirements for Department Majors and Minors**

**Major in Accounting—Required Courses and Credits**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum, including Mathematics 109; 110</td>
<td>42</td>
</tr>
<tr>
<td>SFC 101</td>
<td>1</td>
</tr>
<tr>
<td>Accounting 101; 102; 201; 202; 303; 305; 401; 404; 405; 406</td>
<td>34</td>
</tr>
<tr>
<td>Business Law 201; 202</td>
<td>6</td>
</tr>
<tr>
<td>Economics 1201; 2202; 2306</td>
<td>9</td>
</tr>
<tr>
<td>Business 101; 490</td>
<td>6</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Finance 301</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 201</td>
<td>3</td>
</tr>
<tr>
<td>Operations Research and Management 308</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 301</td>
<td>3</td>
</tr>
<tr>
<td>Free electives</td>
<td>3</td>
</tr>
<tr>
<td>Liberal Arts electives</td>
<td>6</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
</tbody>
</table>
Two from the following..................................................................................total of 6
Economics, any course
History 1303; 2406; 3307; 3370; 3410; 3415; 3416
Political Science 1204; 2309; 2404; 3406; 3410; 3411
Psychology 100; 312; 313; 317
International Cultural Studies 240; 241; 307

The satisfactory completion of Accounting 404 satisfies the College's Comprehensive Exam requirement.

Total credits required ..................................................................................130

Minor in Corporate Accounting—Required Courses and Credits

The minor in corporate accounting introduces students to the field of accounting and provides them with an overview of financial and managerial accounting, taxation and an introduction to computers. It allows students majoring in other areas to obtain some knowledge and understanding of various accounting practices and procedures used today. A minor in accounting may be pursued by students in any major degree program.

Required Courses and Credits for liberal arts majors

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting 101; 102; 211; 405</td>
<td>14</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Total credits required</td>
<td>17</td>
</tr>
</tbody>
</table>

Required Courses and Credits for management majors

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting 101; 102; 211; 405</td>
<td>14</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Accounting 409 or Accounting 305</td>
<td>3</td>
</tr>
<tr>
<td>Total credits required</td>
<td>20</td>
</tr>
</tbody>
</table>

Accounting [ACC] Courses

**ACC 101 Elementary Accounting I**

An introduction to the basic principles of accounting including the accounting cycle, classified financial statements and the measurement and valuation of current assets, current liabilities and non-current assets. Prerequisite: MAT 050 or a passing grade on the math placement test. Co-requisite: BUS 101. 4 credits. Every semester; day and evening.

**ACC 102 Elementary Accounting II**

A continuation of the basic accounting principles learned in Accounting I. Specific topics include accounting for partnerships, corporate owners’ equity, long-term liabilities, statement of cash flows, financial statement analysis and aspects of managerial accounting. Prerequisite: ACC 101. 4 credits. Every semester; day. Offered in the evening Spring Semester.

**ACC 150 Introduction to Accounting**

Intended for non-business majors. An introduction to accounting as the universal language of business. A study of the postulates and concepts underlying the preparation of basic corporate financial statements.
ACC 201 Intermediate Accounting I

An in-depth analysis of accounting theory and financial reporting, combining theory and problems. Emphasizes asset and liability valuation and the corresponding measurement of revenues and expenses. Specific topics include the accounting process and adjustments, classified financial statements, conceptual framework underlying financial accounting and recognition and measurement of current and non-current assets. Several assignments using EXCEL are required during the semester. Prerequisites: ACC 102 and IT 101 (IT 101 may be taken concurrently). 4 credits. Fall Semester; day and evening.

ACC 202 Intermediate Accounting II

A continuation of Intermediate Accounting I. Specific topics include recognition and measurement of current and non-current liabilities, stockholders' equity, dilutive securities, investments, revenue recognition problems, accounting for income taxes, accounting changes and errors and statement of cash flow. Several assignments using EXCEL are required during the semester. Prerequisite: ACC 201. 4 credits. Spring Semester; day and evening.

ACC 211 Accounting Information Systems

This course is designed to introduce the student to computer applications in accounting. Students learn about the design and development of accounting systems. In addition, students learn how to computerize a manual system of accounting using a general ledger package. A variety of accounting problems are demonstrated. Students have hands-on experience completing various computer projects. Prerequisites: ACC 101 and IT 101. Computer lab fee. 3 credits. Spring Semester; day.

ACC 303 Cost Accounting

The managerial use of cost data for routine planning, budgeting and control, and for long-range planning; product costing using job order, process and standard costs. Prerequisites: IT 101 (may be taken concurrently), ACC 102 or ACC 150. 3 credits. Fall Semester; day and evening.

ACC 305 Auditing Principles

Principles, standards, procedures and techniques of auditing. Emphasis on the analytical approach; including electronic data processing, statistical sampling, risk assessment; types of audit examinations with appropriate reports, evaluation of assets and substantiation of liability and equity accounts. Prerequisite: ACC 201. 3 credits. Spring Semester; day and evening.

ACC 401 Advanced Accounting Problems

The course provides a comprehensive study in the areas of business combinations, consolidated financial statements, foreign currency transactions, segment reporting, fund accounting and governmental accounting. A detailed analysis is conducted on the use of the purchase method of accounting for investments in subsidiaries. The underlying concepts behind accounting for nonprofit and governmental entities are also examined. Prerequisites: ACC 202 and ECO 3331/FIN 301. 3 credits. Fall Semester; day and evening.

ACC 404 Senior Seminar in Accounting

A study of current literature, current accounting topics and recent professional pronouncements through active participation, oral presentations and a research paper. Maximum enrollment of 15 students. Prerequisite: ACC 401. 3 credits. Spring Semester; day and evening.
ACC 405 Taxation I

A study of the basic principles of federal income taxation as applied to individuals. Prerequisite: ACC 102 or ACC 150. 3 credits. Fall Semester; day and evening.

ACC 406 Taxation II

A study of the basic principles of federal taxation emphasizing corporations, individuals, partnerships, estates, trusts and gift taxes. Special emphasis is given to the differences between federal income tax principles and financial reporting according to GAAP. Review and application of individual tax returns using computer software packages. Prerequisite: ACC 405. 3 credits. Spring Semester; day and evening.

ACC 408 New York State and City Taxation

A study of the basic principles of New York State and City taxation emphasizing corporations, individuals, partnerships, estate trusts and sales taxes. Special emphasis is given to the difference between federal and state taxes. Prerequisite: ACC 405. 2 credits. Spring Semester; day.

ACC 409 Internal Auditing

Provides the tools and techniques needed to enter the corporate internal audit department. Included are the standards and components of internal auditing, report writing, computer control and audit, operational auditing and the major differences between external and internal auditing. Prerequisites: ACC 102 or ACC 150 and BUS 101. 3 credits. Offered as needed.

Business Law (BL) Courses

BL 201 Business Law I

An introduction to law; the court system and legal process; the law of torts, business crimes, contracts and sales; Article 2 of the Uniform Commercial Code. Prerequisite: Sophomore standing. 3 credits. Every semester; day. Offered in the evening Fall Semester.

BL 202 Business Law II

The law of commercial paper; Articles 3 and 4 of the Uniform Commercial Code; the law of property, bankruptcy and business organizations: sole proprietorships, partnerships and corporations. Prerequisite: BL 201. 3 credits. Every semester; day. Offered in the evening Spring Semester.
Aviation Management

Office: Room 514R
Phone: (718) 489-5201

Program Director
Dr. Reeves D. Gandy

Adjunct Instructor
Keller

Assistant Professor
Gandy

Special Notice

The final offering of required courses in Aviation Administration, Aviation Business Studies and Airway Science major and minor programs will be Fall 2003, Spring 2004 or Fall 2004. All current Aviation majors and minors are directed to speak with their academic advisor in order to plan for the effective completion of their studies. However, elective courses in Aviation will continue to be offered.

Department Mission

To graduate students of professional responsibility and knowledge who are prepared to take their place in the public and private sectors of the aviation, transportation and tourism communities.

The aviation administration curriculum provides students with the necessary technical and managerial skills for the aviation field while insuring that they receive a broad-based liberal arts background. The curriculum enables students to qualify for entry- and mid-level management positions with airlines, airports, manufacturers, transportation companies, consultants, fixed-base operators, travel agencies, tour operators and hospitality service providers.

Department Majors and Minors

Major in Aviation Administration—Required Courses and Credits

Please refer to the Special Notice at the beginning of this section and the course descriptions for important information on course availability

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum including Mathematics 109 and 110</td>
<td>42</td>
</tr>
<tr>
<td>Accounting 101</td>
<td>4</td>
</tr>
<tr>
<td>Accounting 102 or Finance 301</td>
<td>3 or 4</td>
</tr>
<tr>
<td>Aviation 101; 102; 310; 320; 330; 340; 420; and 440</td>
<td>24</td>
</tr>
<tr>
<td>Aviation Management course selected in consultation with advisor</td>
<td>3</td>
</tr>
<tr>
<td>Aviation or complementary field Specialty Track, or minors (electives)</td>
<td>15</td>
</tr>
<tr>
<td>Business Law 201</td>
<td>3</td>
</tr>
<tr>
<td>Economics 1201 and 2202</td>
<td>6</td>
</tr>
<tr>
<td>Business 101</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 301</td>
<td>3</td>
</tr>
</tbody>
</table>
Political Science 2404 .................................................................................................................. 3
Psychology 100 or 313 .................................................................................................................. 3
Liberal Arts electives .................................................................................................................. 6
Free electives .......................................................................................................................... 5
Health Science 100A or 100B or Physical Education 100 [A-L] .................................................. 2
The satisfactory completion of AV 440 and the passing of a comprehensive examination satisfy the College's Comprehensive Examination/Thesis requirement.

The student's interests and goals, as well as specific graduate school requirements, should be considered when choosing liberal arts, free or health-related electives.

Total credits required .............................................................................................................128-129

Major in Aviation Business Studies—Required Courses and Credits

Please refer to the Special Notice at the beginning of this section and the course descriptions for important information on course availability.

The Aviation Business Studies program furnishes the graduate with the knowledge and skills necessary to advance into management positions within the industry. The program is designed primarily for students who fall within one of the following categories:

Holders of an FAA certificate or license
Persons with current or previous employment in the aviation industry
Transfer students from other colleges with aviation or related majors
Graduates of technical aviation programs
Graduates of two-year college aviation-related programs
Continuing education students who desire a change in career

Students who are not in any of these categories may be admitted to the Aviation Business Studies program with the approval of the program director.

Credits

Core curriculum .................................................................................................................. 21
Aviation 310; 320; 330; 340; 420; and 440 ........................................................................ 18
Aviation Management course selected in consultation with advisor .................................. 3
Aviation or complementary field Specialty Track, or minors (electives) ......................... 15
Accounting 101 ............................................................................................................... 4
Business 101 ..................................................................................................................... 3
Information Technology 101 .......................................................................................... 3
Business Law 201 ............................................................................................................. 3
Mathematics 301 ............................................................................................................. 3
Political Science 2404 ....................................................................................................... 3
Psychology 100 or 313 ...................................................................................................... 3
Liberal Arts Electives ........................................................................................................ 33
Free Electives ................................................................................................................ 15
Health Science 100A or 100B or Physical Education 100 [A-L] ..................................... 2
The satisfactory completion of AV 440 and the passing of a comprehensive examination satisfy the College's Comprehensive Examination/Thesis requirement.

Total credits required ........................................................................................................ 129
Major in Airway Science—Required Courses and Credits

Please refer to the Special Notice at the beginning of this section and the course descriptions for important information on course availability.

Aviation Management majors wishing to specialize in a concentration of courses designed to prepare them for employment with the Federal Aviation Administration may do so through the Airway Science major.

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum including Mathematics 301</td>
<td>21</td>
</tr>
<tr>
<td>Aviation 101; 203; 213; 310; 320; 330; 340; 350; 410; 420; 430; and 440</td>
<td>36</td>
</tr>
<tr>
<td>Information Technology 101 and IT electives</td>
<td>9</td>
</tr>
<tr>
<td>Chemistry 103</td>
<td>4</td>
</tr>
<tr>
<td>Business 101</td>
<td>3</td>
</tr>
<tr>
<td>Business Law 201</td>
<td>3</td>
</tr>
<tr>
<td>Human Resources 310 and 304</td>
<td>6</td>
</tr>
<tr>
<td>Operations Research 308</td>
<td>3</td>
</tr>
<tr>
<td>Economics 1201, 1202 and 3309</td>
<td>9</td>
</tr>
<tr>
<td>Mathematics 202</td>
<td>4</td>
</tr>
<tr>
<td>Physics 101 and 102</td>
<td>8</td>
</tr>
<tr>
<td>Political Science 2404</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 100; 307; and 313</td>
<td>9</td>
</tr>
<tr>
<td>Liberal Arts electives</td>
<td>6</td>
</tr>
<tr>
<td>Free electives</td>
<td>3</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
</tbody>
</table>

The satisfactory completion of AV 440 and the passing of a comprehensive examination satisfy the College’s Comprehensive Examination/Thesis requirement.

Total credits required .................................................. 129

Minor in Aviation Administration—Required Courses and Credits

Please refer to the Special Notice at the beginning of this section and the course descriptions for important information on course availability.

A minor in Aviation Administration provides students majoring in other disciplines with a basic understanding of the aviation industry. The professional knowledge gained will be valuable to anyone considering a career in an aviation-related field, including tourism and the hospitality industry.

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation 101</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 102</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 310</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 320</td>
<td>3</td>
</tr>
<tr>
<td>Aviation elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total credits required .................................................. 15
Minor in Travel and Tourism—Required Courses and Credits

Please refer to the Special Notice at the beginning of this section and the course descriptions for important information on course availability.

The minor is intended to provide the student with a basic knowledge of travel and tourism and the hospitality industries. It is particularly suited to students interested in sales, marketing, international cultural studies and who have a keen interest in national and international tourism.

Select five of the following courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation 103</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 204</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 365 or Business 201</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 370</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 415</td>
<td>3</td>
</tr>
<tr>
<td>Business 205</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Aviation [AV] Courses**

**AV 101 Introduction to Air Transportation**

The history of aviation, focusing on the events that led to the development of today's air transportation system. A survey of the components of the aviation business community including air carriers, manufacturers, private aircraft operators, government agencies and trade associations. 3 credits. Fall 2003—Final Offering. Day.

**AV 102 Aviation Operations**

Describes the conduct of professional flight operations, including those of air carriers, corporations, F.B.O.s and the military. Introduces aircraft types, air routes, personnel, information systems, regulations and safety. 3 credits. Spring 2004—Final Offering. Day.

**AV 103 Introduction to Travel and Tourism**

This course provides the student with a basic knowledge of travel and its various purposes: business, educational, cultural, therapeutic, recreational and family activities. The factors affecting demand and supply are studied in detail. The course concludes with the major elements of tourism: foundations of transportation/accommodations, business and special activities that lure people to travel. 3 credits. Fall Semester; day and evening.

**AV 204 Travel and Economic Geography**

This course provides the vital geographical information required as a successful travel and tourist manager. Comprehensive discussions of the elements of geography including population, physical landforms, climate and cultural setting. Cartographical understanding of desirable regions and places. An in-depth examination of the relationship between geography, travel and tourism. 3 credits. Fall 2003; evening. Spring 2004; day.

**AV 310 Aviation Marketing and Economics**

An examination of the marketing theory and practices of the major components of the air transportation industry; air carriers, aircraft
manufacturers, F.B.O.s and aircraft component suppliers. Topics include market structure, strategy, advertising and research. Prerequisite: MAT 105 or equivalent; ACC 101. 3 credits. Fall 2003—Final Offering. Day.

**AV 320 Airport and Airway Facilities**

National and international air navigation facilities, their history, structure and administration. Airport operations and development including design, equipment, management, funding and community relations. 3 credits. Fall 2003—Final Offering. Day.

**AV 330 Aviation Personnel Practices**

A study of human resources management in the aviation industry. Topics include industry hiring practices, management development, employee motivation and labor relations practices. The course examines labor's influence on industry economics, government regulations and manpower allocation programs. The impact of participative management and employee ownership on human resource management is examined. 3 credits. Fall 2003—Final Offering. Day.

**AV 340 Aviation Communications Practicum**

Provides a working knowledge of the means by which communications are accomplished within the aviation industry, including written correspondence, telephone systems, airport-identifier codes, two-way radio, and computer information systems. Communication skills for career development are also emphasized. Prerequisites: ENG 103 and COM 203. 3 credits. Spring 2004—Final Offering.

**AV 355/CJ 212 Aviation Security**

The course will analyze the security procedures, programs, systems and equipment in the aviation industry. Pertinent legislation concerning aviation security is reviewed from a historical and modern perspective. Prerequisite: CJ 201. This course is a criminal justice elective. 3 credits. Offered as needed.

**AV 360 Transportation Management**

Examines principles of rail, highway, air, marine, pipeline and waterway transportation and logistics. Considers the impact of transportation on economic, political and social factors. Advantages and disadvantages as well as principle operating and financial factors for each mode of transportation is examined. A thorough analysis of the decision-making process for both carrier and user is developed. 3 credits. Fall 2004—Final Offering. Day.

**AV 365 Air Cargo Management**

Intensive study of the management practices and problems involved in the air cargo industry. Background, services, facilities and competition are discussed. Course includes IATA rate and tariff problems and an overview of Dangerous Goods Regulations. Field trips to air cargo and air freight forwarder facilities reinforce the course content. 3 credits. Fall 2004—Final Offering. Day.

**AV 370 Tourism and Travel Management**

A critical examination of the management and organization of travel and tourist enterprises. The utilization of tourism planning, development and marketing is explored. Students analyze the resources of tourist areas and formulate goals and strategies. Discussions focus the uses of target marketing and the development of regional organizations and management support systems to enhance the success of destinations around the globe. 3 credits. Offered as needed; day.

**AV 410 Aviation Safety**

Examines key areas of air and ground operations that contribute to accidents in the air transportation system. Basic elements of human psychology are integrated with the
regulatory framework of the aviation system to explore the causes and issues that stem from actual air carrier accidents. The course also involves safety analysis within aviation organizations to determine hazards and potential problems and to select preventive measures. Safety program preparation, implementation and evaluation within the industry are also discussed. 3 credits. Fall 2004; day.

AV 415 Tourism Development

The impact of tourism on the economic development and social structure of destination countries is explored. The course critically examines the disruption of traditional society by tourism, maximum desirable tourist density and potential incompatibility between tourists and the environment. 3 credits. Offered as needed; day.

AV 420 Aviation Law and Business Policy

An examination of governmental regulatory functions that impact the aviation industry. Includes manufacturing and operating regulations, contracts, torts, insurance and security. Legal and ethical considerations of business policy are addressed. Prerequisite: BL 201. 3 credits. Spring 2004—Final Offering. Day.

AV 430 Airport Management

An analysis of the role of the airport manager and his/her involvement with day-to-day and long-term management and operations of an airport. Course includes planning, operations, role of government agencies, community involvement, environmental issues and human relations management. Site visits to several airports and guest lecturers enhance the presentation. Prerequisites: BUS 101 and AV 320. 3 credits. Spring 2004—Final Offering. Day.

AV 440 Current Trends

This is the capstone course for Aviation Administration and Aviation Business Studies majors. The course is also available to those minoring in Aviation Administration on a selected basis. The course focuses on the management analysis and decision-making process in the running of an aviation enterprise in a contemporary business environment. The course relies heavily on an airline simulation model wherein the student participants, acting in various managerial and functional roles, provide decision inputs that affect the performance of the business enterprise in competition with similar enterprises. During the semester, the students will be required to analyze various case studies (incidents) and provide a rationale for the selected course of action. Additionally, students will prepare an annual report at the end of each simulation year and at the completion of the third year will conduct a shareholders’ meeting. 3 credits. Spring 2004 and Fall 2004—Final Offerings. Day.

AV 600, 601 FAA Cooperative Education Program

The Federal Aviation Air Traffic Control Training Internship. The program consists of up to four three-credit semesters during which the student is employed by the FAA at an air traffic facility as a trainee. The student is evaluated and graded by the FAA facility manager and by the chairman of the aviation department. Prerequisites: Approval of department chairman and acceptance into program by FAA. 3 credits per semester. Every semester.

AV 610, 611 Internships and Cooperative Education Programs

Cooperative education and internship training programs are set up with various aviation and tourism industry organizations. The student is placed in academic and work-related positions within the company. The student is required to develop a job description and work schedule in conjunction with
his/her sponsor. A written report is required at the end of the semester. Prerequisites: Junior or senior standing, approval of the program director and an aviation or tourism sponsor. 3 credits per semester. Every semester.

* Qualifies for Aviation Management requirement for Aviation Administration or Aviation Business Studies majors.
Information Technology

Office: Room 305A  
Phone: (718) 489-5324

Chairman  
Dr. Allen Burdowski

Professor  
Burdowski

Instructor  
Westcott

Lecturer  
Vaughn

Special Lecturer  
Benjamin

Adjuncts  
Ashley  
Barnet  
Barrett  
Bogler  
Bratus  
Carpino  
Catalano  
D’Esposito  
Hemway  
Keller  
Ladejola-Diaba  
MacNamee  
Mello  
Sloane  
Smolizza  
Valcin

Department Mission

The mission of the department is to prepare students for careers in the rapidly changing field of information technology. We provide and offer state-of-the-art information technology courses for majors as well as students studying other disciplines.

Goals and Objectives

The department offers a B.S. degree in information technology and four bridge courses for qualified students leading to a M.S. degree in computer science from Polytechnic University. The Department also offers a full spectrum of courses for all qualified students from the basic computer tools through web design and database management in support of the respective majors in the College. Most organizations use information technology to achieve competitive advantages in the market place. Students may study decision support systems, telecommunications, system design, educational technology, medical informatics and related topics to show how information technology is used to identify and resolve issues related to an organization's IT-related opportunities. The department offers courses in cooperation with the Management Department that prepare students for careers in business and e-commerce.

Requirements for Department Majors and Minors

The information technology major prepares future managers and analysts to use information technology to help people and organizations to perform more efficiently and effectively. As information technology spreads throughout an organization’s structure, information managers interact with all the components of an organization. The IT major prepares students with the skills needed to analyze a range of organizational problems and provides them with knowledge of applications of computer and information technology. In consultation with their advisors,
students are encouraged to use their elective courses to select an application track in a discipline that relies heavily on information technology. These tracks include business and management, biology, health care management, education and nursing.

**Major in Information Technology—Required Courses and Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum, including Mathematics 105 and 107</td>
<td>43</td>
</tr>
<tr>
<td>SFC 101</td>
<td>1</td>
</tr>
<tr>
<td>Information Technology 101; 103; 104</td>
<td>9</td>
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<tr>
<td>Information Technology 201; 203; 210</td>
<td>9</td>
</tr>
<tr>
<td>Information Technology 301; 303; 305; 310</td>
<td>12</td>
</tr>
<tr>
<td>Information Technology 500</td>
<td>3</td>
</tr>
<tr>
<td>Any four Information Technology electives</td>
<td>12</td>
</tr>
<tr>
<td>Economics 1201</td>
<td>3</td>
</tr>
<tr>
<td>Organizational Research and Management 301</td>
<td>3</td>
</tr>
<tr>
<td>Liberal Arts electives</td>
<td>24</td>
</tr>
<tr>
<td>Free electives</td>
<td>9</td>
</tr>
<tr>
<td>Health Science 100A or 100B or Physical Education 100 [A-L]</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>130</strong></td>
</tr>
</tbody>
</table>

**Minor in Information Technology—Required Courses and Credits**

The minor in information technology provides students with basic skills necessary to function productively in today's computerized office and workplace environments. The focus is on microcomputers and their applications to real-world problems. Students study programming, hardware, systems software and applications designed for personal productivity, data communications, database management and other tasks.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Technology 101</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 103</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 104</td>
<td>3</td>
</tr>
<tr>
<td>Any three Information Technology 200- to 500-level courses</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

**Alliance with Polytechnic University**

St. Francis College has joined with Polytechnic University in a collaborative educational effort. The program is designed to produce highly qualified personnel who will complete the Bachelor's degree from St. Francis College and the Master of Science degree in Computer Science from Polytechnic University in a five-year period.

Students in the program will study IT courses that will serve as bridge courses to Polytechnic University. Courses include: IT 103; IT 104; IT 105; IT 340; IT 380; IT 404; MAT 202; MAT 203 and one year of a laboratory science (physics, biology, chemistry). These courses are either in addition to or part of the students' courses in their major. Students who have finished the bridge courses and have a GPA of at least 3.6 are eligible to take graduate courses at Polytechnic University in computer science. Contact the department chairman for further information.
Information Technology (IT) Courses

IT 101 Computer Tools

Introduction to the basic concepts and vocabulary of computers, computer applications and information systems. Students learn to utilize computer application packages for word processing, spreadsheets, presentations, databases and electronic mail. Students will also familiarize themselves with the World Wide Web and learn to utilize it as a research resource, as well as create their own Web pages. Lab fee. 3 credits. Every semester; day and evening.

IT 101E Computer Tools for Education Majors

Open only to education majors who have not taken IT 101. Introduction to the basic concepts and vocabulary of computers, computer applications and information systems. Students learn to utilize computer application packages for word processing, spreadsheets, presentations, databases and electronic mail. Students will also familiarize themselves with the World Wide Web and learn to utilize it as a research resource, as well as create their own Web pages. Lab fee. 3 credits. Every semester; day and evening.

IT 103 Computer-Based Information Systems

Information technology has radically changed the internal operations of organizations and market places in which they compete. The tool kit of skills of the business professional must include the understanding of the fundamentals of information technology and its impacts on the other areas of business—strategic management, finance, accounting, marketing and operations. This course is intended to provide this basic set of skills. Although it is necessary to have a technology basis, the focus will be on how technology can be applied in business, how it can be used to create products, how it can serve as an agent of change in reorganizing business processes and how it can radically improve business decision making. Lab fee. Prerequisite or co-requisite: IT 101. 3 credits. Every semester; day and evening.

IT 104 Programming I

This course stresses three major themes: a rigorous introduction to the process of algorithm problem solving, the organization of computers upon which the resulting programs run and an overview of the logical and ethical context in which the field of computing exists. Topics include basic ideas on arithmetic problem solving and programming, principles of top-down design, step-wise refinement and procedural abstraction. Introduction to programming in a structural programming language, basic control structures, data types and input/output conventions. Lab fee. Prerequisite: IT 101. 3 credits. Every semester; day and evening.

IT 105 Programming II

An introduction to Object-Oriented Programming using C++ and/or Java. Topics include: Advanced Features in Structured Programming; using UNITS; and an introduction to and the use of Object-Oriented Programming (OOP) techniques. Prerequisite: IT 104. Lab fee. 3 credits. Every semester; day.

IT 201 Telecommunications and Networking

An introduction to data communications hardware and software and their applications in computer networks. Topics include: communication system components, communication sharing, packet switching, network control, common carrier issues and local area vs. global area networks. Prerequisite: IT 103. Lab fee. 3 credits. Fall Semester; day.
IT 203 Web Design

The World Wide Web has grown beyond all expectations. The Web has increased from a limited number of networked computers to more than twenty million computers worldwide. With the increase of network computing comes the increase in demand for Web page design. This course deals with the design principles of building and maintaining Web pages. Topics include site design, HTML, JavaScript, principles of XML, Dreamweaver and Flash. Prerequisites: IT 101. Lab fee. 3 credits. Every semester; day and evening.

IT 205 Multimedia Design and Technologies

This course develops core concepts and practical skills in multimedia design and production. Practical experience is offered in project planning and development, including design, production, prototyping, testing and publishing. The course provides effective techniques for preparing graphics, animation, text, digital audio and video for multimedia applications including CD-ROM titles, Web sites, marketing presentations, and interactive kiosks. Among the key software tools explored are Director, PhotoShop, Illustrator, Premiere, After Effects, Dreamweaver and Flash. Web design and development issues include Dynamic HTML, Shockwave, streaming audio and video and QuickTime VR. Also examined are systems configuration and hardware requirements of the multi-platform digital production studio. Lab fee. Prerequisite: IT 101. 3 credits. Spring Semester; day.

IT 210 Database Management Systems

Design, structure and applications of database systems. Deals with problems associated with management of information. The course considers concepts such as logical and physical database organization, data security and database life cycle. Stresses application development through fourth-generation programming techniques. The course emphasizes basic knowledge in data structures, normalization of data, modeling and database methods. Prerequisite: IT 103. Lab fee. 3 credits. Fall Semester; day and evening.

IT 230 Computers in Education

A course that focuses on the use of computers in an educational environment. Encourages the implementation of computers and computer assisted learning in a classroom. Provides the tools to evaluate educational software. The course covers the latest techniques in instructional technology as well as the role of on-line methodologies. Prerequisite: IT 101. Lab fee. 3 credits. Offered as needed.

IT 250 Medical Informatics

Medical informatics studies the organization of medical information, the effective management of information using computer technology and the impact of such technology on medical research, education and patient care. The field explores techniques for assessing current information practices, determining the information needs of health care providers and patients, developing interventions using computer technology and evaluating the impact of those interventions. This research seeks to optimize the use of information in order to improve the quality of health care, reduce costs, provide better education for providers and patients and to conduct medical research more effectively. Prerequisite: IT 101. Lab fee. 3 credits. Spring Semester; evening.

IT 301 Project Management

This course is an introduction to project management. Topics include: overview and concepts of project management and strategies; planning successful projects (defining, specifying, delivery of scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule,
adjustments, corrections, record keeping, status reporting, communications); managing conflict; time management; performance measurement; contract documentation; data transfer; lessons learned. Prerequisites: IT 203 and IT 210. Lab fee. 3 credits. Fall Semester; day and evening.

IT 303 E-Commerce Integration

This course integrates the primary business functions of marketing and finance with the advances made through computers and information technology. Topics include internet marketing, business to business commerce, business-to-consumer commerce, distribution and tracking channels. Students will prepare an e-commerce business plan that will include pro forma financial statements. Prerequisites: IT 203 or MKT 340. 3 credits. Offered every semester; day and evening.

IT 305 Information Technology Law and Ethics

The overnight entry of companies such as Amazon.com and Napster.com into mature and established industries has served as a wake-up call to business leaders everywhere to protect their innovations. Included in these new commercial developments are challenges to the fundamentals of intellectual property law, including patent, trademark, copyright and trade secret laws. This course will provide an understanding of the fundamentals of intellectual property law and how it is being used and adapted by businesses to protect their intellectual capital in cyberspace. Also included in this course offering are discussions about patenting new methods of doing business; the interplay between domain names and trademarks; cyberspace copyright issues including text and graphical infringement, software and web-site registration; and the impact of technological developments on trade secret agreements. Prerequisite: IT 203. 3 Credits. Fall Semester; day.

IT 309 Business Applications

The use of computers and business and financial software packages. The course includes familiarization with budgeting, accounting and inventory management software. Additional topics will deal with advanced techniques in Excel and basics of Visual Basic. Lab fee. Prerequisites: IT 203, IT 210. 3 credits. Spring Semester; evening.

IT 310 Systems Analysis and Design

Traditional analysis, design and implementation of information systems through data flow analysis and the systems development life-cycle approach. The fundamentals of systems analysis and how it is applied to the development of information systems in the business environment. Major topics include methods of systems investigation, feasibility study, input-output design, system documentation, communication, implementation of new systems, control and security. Also treated are data structures, data definition, normalization of data, and the use of Computer Aided Software Engineering (CASE) tools. Prerequisite: IT 210. Lab fee. 3 credits. Spring Semester; day.

IT 311 Decision Support Systems

Introduction to the use of information and mathematical modeling to support managerial analysis and decision making. Develops the skills required to solve problems using computer-based modeling in selected disciplines, such as marketing or finance. Topics may include the examination of components of a decision support system, simulation model development, group decision-making technology and intelligent support systems. Lab fee. Prerequisite: IT 210. 3 credits. Offered as needed.

IT 313 Computer Support Systems

The essential skills for the support and management of end-user computing, including applications development, end-user troubleshooting and formulating of end-user
management strategies. Strategy implementation using policies, procedures, standards and guidelines are provided. Prerequisite: IT 103. Lab fee. 3 credits. Offered as needed.

**IT 320 IT Organizational Management**

An advanced course that provides a thorough and comprehensive analysis of systems theory concepts and information systems (IS) terminology and concepts in the context of the management of the business organization. Emphasis is placed on IS topics relevant to students seeking to become managers or IS professionals. Existing modeling, planning, design, implementation, evaluation, integration, management and control approaches for various types of IS systems are presented. Theory and practical application considerations are highlighted in each topic. Emerging topics and technologies are also explored. Prerequisite: IT 103. Lab fee. 3 credits. Spring Semester; day.

**IT 340 Computer Architecture and Organization**

A top-down approach to computer design. The fundamentals of computer architecture including an introduction assembly line language of programming and machine language set design. Major topics include: computer organization; logical modules, CPU, memory and I/O units; instruction cycles and the control unit; hardwiring and microprogramming; datapath implementation of the CPU. Also treated are memory structure and timing, I/O interface, interrupts, programmed I/O and DMA. Prerequisite: IT 105. 3 credits. Fall Semester; day.

**IT 380 Operating Systems**

Overview of user interface. Major topics include: process structure, creation and context switching; system calls; process cooperation; memory management; virtual memory; I/O management; interrupt handling; file structure; directories, fault-tolerance. Students will design projects involving construction of portions of the operating system required. Prerequisite: IT 105. 3 credits. Spring Semester; day.

**IT 404 Data Structures**

Concepts of data representations and manipulation. Processing of linearly-linked lists and multi-linked data structures. Operations with tree structures. Sorting and searching techniques. Data management systems. Programs using different structure and algorithms will be studied. Prerequisite: IT 103. Lab fee. 3 credits. Spring Semester; day.

**IT 425 Knowledge Systems and Data Mining**

Intelligence as a basic component of information systems is rapidly becoming a necessity. Rapid advancements in the nature of commerce, in particular the emergence of the Internet as an exchange and delivery channel, have led to an explosion in the quality and quantity of data. This class will cover the process of converting raw data into the knowledge that is required to support decision-making by automating the process of knowledge discovery. The class will also explore how data mining increases productivity. Prerequisite: IT 210. Lab fee. 3 credits. Spring Semester; evening.

**IT 440 Internship**

Students majoring in the department who have maintained a general GPA of 2.7 and a major or minor in the IT Department GPA of 3.0 (and who, in the opinion of the department, have the ability and the need to study topics not included above) may enroll for an internship. The internship must be pre-approved by the department chairman at registration. Projects must be scheduled for completion within the semester. Lab fee. Approval of chairman required. 1-3 credits. Every semester.
IT 450 Independent Study

Students majoring in the department who have maintained a general GPA of 2.7 and a major or minor in the IT department with a GPA of 3.0 (and who, in the opinion of the department, have the ability and the need to study topics not included above) may enroll in an independent study. The independent study must be pre-approved by the department chairman at registration. Projects must be scheduled for completion within the semester. Lab fee. Approval of chairman required. 1-3 credits. Every Semester.

IT 500 Capstone Project

This course provides students with an opportunity to apply their theoretical knowledge to a practical problem in the area of information systems. This project is a general investigation and report within the subject area of information systems. The student group can develop a mock business demonstrating how information technology may be integrated into the operating system of that company. Students work under the supervision of the course director. Prerequisites: Senior standing. Majors only. Lab fee. 3 credits. Every semester; day.

IT 480 Special Topics

Information technology is a rapidly changing discipline. The focus of this course is to address the need to cover different topics that are on the cutting edge of IT. Topics vary from semester to semester. Lab fee. 3 credits. Day and evening.
Management

Office: Room 507R
Phone: (718) 489-5347

Chairman
Dr. John R. Dilyard

Instructor
Gunasti

Professors
Gomori
Petrucelli

Adjuncts
Cassianoa
Daly
Diodata
Egan
Fazio
Honig
Kirrane

Assistant Professors
Dilyard
Gandy

Professors Emeriti
Barcun
Goldberg

Pauoratta
Macchiola
McCabe
Mulligan

Special Lecturer
Ende

Paguaga
Sloan
Tamparo
Williams

Department Mission

The College offers a BS degree in management, an associate degree in applied science in business administration and a minor in business. Students in the BS program are encouraged to select a concentration in one of the following areas: finance, human resources, international business, marketing, operations research, e-commerce, general business or law and commerce. Management majors may also obtain minors within the Division of Management Science in accounting, information technology or travel and tourism.

The department seeks to develop, refine and present professional courses that create a foundation in the areas of finance, marketing, operations research, international business, law and ethics and human resources from which students can further develop their career and educational goals.

Requirement for Department Majors and Minors

Major in Management—Required Courses and Credits

The Management Department provides an academic environment in which students study the current techniques for the operation and management of small and large business organizations, international companies, government agencies and non-profit institutions. Graduates are prepared to enter MBA programs, public administration and law schools. Emphasis is placed on the acquisition of skills and the integration of marketing, domestic and international business, finance and human resource management disciplines. Students develop the ability to describe and understand economic data and to apply mathematical and statistical solutions to business problems. Students are offered internship programs in work-related areas
and government organizations as well as independent study of special business topics. Seniors are required to pass a comprehensive examination in management principles. Through the College Career Development Center, local and national business firms, government agencies and financial institutions interview senior management students for various positions.

Credits

Core curriculum, including Mathematics 109 and 110 .................................................. 42
SFC 101 ........................................................................................................................ 1
Accounting 101 and 102 .............................................................................................. 8
Business Law 201 and 202 .......................................................................................... 6
Economics 1201; 2202 and 2306 ................................................................................ 9
Two courses from History, Political Science, Economics, Psychology or Sociology .... 6
Human Resources 201 and one other course in Human Resources ...................... 6
Business 101 and 490 .................................................................................................. 6
Information Technology 101 ...................................................................................... 3
Finance 301; and one other course in Finance ......................................................... 6
Marketing 201 and one other course in Marketing .................................................. 6
Operations Research 301 and one other course in Operations Research .......... 6
Political Science 2404 ................................................................................................. 3
Free electives .............................................................................................................. 16
Liberal Arts electives .................................................................................................. 3
Health Science 100A or 100B or Physical Education 100 [A-L] ......................... 2

The passing of a senior-year comprehensive examination satisfies the College's Comprehensive Examination/Thesis requirement.

Total credits required ..................................................................................................... 129

Minor in Business—Required Courses and Credits

The minor in business introduces non-business majors to the various professions within the field of business and to the interrelationships that exist among them. It allows students, independently of their majors, to appreciate the dynamics of the work place. The minor enhances the student’s ability to understand business systems and their function in the work place.

Credits

Business 101 ................................................................................................................ 3
Human Resources 201 ................................................................................................. 3
Marketing 201 .............................................................................................................. 3
Information Technology 101 ...................................................................................... 3
Accounting 101 or 150 .............................................................................................. 3-4
Finance 301 ................................................................................................................ 3
Economics 1201 ......................................................................................................... 3

Total credits required .................................................................................................. 21-22

Associate in Applied Science—Business Administration—Required Courses and Credits

This degree program permits adults with work experience and others who do not expect to be able to complete a BS degree program to gain a broad understanding of the business environment in which they are employed or expect to be employed. The program also provides an introduction to the liberal arts.
Core curriculum, including Mathematics 109 and 301 ........................................30
Accounting 101 and 102 ..................................................................................8
Business Law 201 and 202 ..............................................................................6
Information Technology 101 ..........................................................................3
Economics 1201 and either 2202 or 2306 .......................................................6
Human Resources 201 .....................................................................................3
Business 101 ....................................................................................................3
Finance 301 .....................................................................................................3
Marketing 201 ..................................................................................................3
Total credits required ......................................................................................65

Concentrations

A student may elect to concentrate in General Business, International Business, Marketing, Finance, Law and Commerce, Operations Management, Human Resources or E-Commerce in addition to his/her major in Management. This would require the student to select courses from the following groups in addition to the required groups in management. There is a sufficient number of free electives in the program to allow for this.

General Business Concentration—Required Courses and Credits

The General Business Concentration is particularly suited to those students who have an interest in smaller, family owned or closely held businesses. The objectives of the General Business concentration are:

To foster entrepreneurship among students.

To prepare students to successfully manage and develop family enterprises, including the challenges of globalization.

Select 5 from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business 201</td>
<td>3</td>
</tr>
<tr>
<td>Business 204</td>
<td>3</td>
</tr>
<tr>
<td>Business 205</td>
<td>3</td>
</tr>
<tr>
<td>Business 250</td>
<td>3</td>
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<tr>
<td>Business 496</td>
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<tr>
<td>Business 497</td>
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<tr>
<td>Finance 340</td>
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</tr>
<tr>
<td>Marketing 340</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 316</td>
<td>3</td>
</tr>
</tbody>
</table>

Total credits required .............................................................................15

International Business Concentration—Required Courses and Credits

The International Business Concentration is a highly interdisciplinary program that takes elements from economics, finance, human resources, information technology, marketing, political science and strategic planning and shows how they combine to affect the way in which firms operate and compete in a global environment. The program prepares students for an international-related career in business firms, financial institutions or government agencies that requires flexible thinking, strong analytical skills and refined communication skills.
The objectives of the International Business Concentration are:

To provide students an appreciation of the complexity and challenge facing any size firm that operates and competes in markets other than those in its home country.

To prepare students to function successfully in a business environment in which change is a constant and in which adaptation and innovation are keys to competitive success.

To help students realize that there is no one right way to solve an international problem, but that some right ways may be better than others.

Select 5 from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business 201</td>
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</tr>
<tr>
<td>Marketing 330</td>
<td>3</td>
</tr>
<tr>
<td>Economics 4403</td>
<td>3</td>
</tr>
<tr>
<td>Finance 420</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 360</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 303</td>
<td>3</td>
</tr>
<tr>
<td>International Cultural Studies 240, 241, 305, 306 or 307</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Marketing Concentration—Required Courses and Credits

The study of marketing provides the necessary qualitative and quantitative skills to be successful in careers throughout the business spectrum. This concentration introduces students to areas of customer relationship. Marketing that integrates advertising, sales promotion, pricing, distribution and product strategies, public relations, merchandising, international marketing, direct marketing and Internet marketing/e-commerce.

Students are encouraged to explore the professional marketing community by participating in opportunities such as marketing internships, advanced marketing projects, and student membership in marketing organizations.

The objectives of the Marketing Concentration are:

To challenge students to learn, interrelate and apply the basic concepts and practices of modern marketing in practical Internet applications and realistic situations.

To enhance the values, attitudes, knowledge and skills of students so that they develop into citizens who will contribute to the betterment of society with maximum personal and professional growth.

To prepare students for entry-level careers with profit, non-profit and public service companies with emphasis in the areas of sales and marketing.
Select 5 from the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing 202</td>
<td>3</td>
</tr>
<tr>
<td>Communications 307</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 307</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 309</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 315</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 316</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 330</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 340</td>
<td>3</td>
</tr>
<tr>
<td>Marketing 440</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Finance Concentration**

The Finance Concentration introduces students to several areas within the finance field. After successfully completing Principles of Corporate Finance (FIN 301), students can select from several courses that provide exposure to various professions such as investment analysis, managerial finance, personal finance and international finance.

**The objectives of the Finance Concentration are:**

- To prepare the student for entry level positions within the finance professions.
- To adequately prepare students to pursue advanced study in graduate school.
- To provide a broad interdisciplinary approach that enhances appreciation of the importance of other subject areas necessary for success in a career in finance.

Select 5 from the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finance 216</td>
<td>3</td>
</tr>
<tr>
<td>Finance 302/Economics 3332</td>
<td>3*</td>
</tr>
<tr>
<td>Finance 312/Economics 3333</td>
<td>3*</td>
</tr>
<tr>
<td>Finance 334/Economics 3334</td>
<td>3*</td>
</tr>
<tr>
<td>Finance 340</td>
<td>3</td>
</tr>
<tr>
<td>Finance 412/Economics 3433</td>
<td>3*</td>
</tr>
<tr>
<td>Finance 420</td>
<td>3</td>
</tr>
<tr>
<td>Finance 422</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

* May be taken as a Liberal Arts/Economics Elective

**Law and Commerce Concentration**

All organizations function within the scope of a code of law. As business and society expand and become more complex, so too must law adapt to the needs of society. This concentration is specifically suited to those students who may be interested in pursuing a career in Law or a combination of law and business.
The objectives of the Law and Commerce Concentration are:

To provide a foundation in business law for all Management and Accounting Majors.

To develop and integrate appropriate Law and Commerce courses in support of various disciplines and concentrations (e.g., Aviation, Criminal Justice, Ethics, E-Commerce, Information Technology and Finance).

To foster ethical practices in the business community.

Select 5 from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business 342</td>
<td>3</td>
</tr>
<tr>
<td>Finance 340</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 305</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 420</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Justice 301</td>
<td>3</td>
</tr>
<tr>
<td>Political Science 3410</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 303</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

* May be taken as Liberal Arts/Philosophy requirement only if taught or team-taught by at least one member of the Philosophy faculty.

Operations Research and Management Concentration

The Operations Management Concentration applies mathematical and analytical concepts to solve of business problems and enhance competitive positions in such areas as forecasting, probability, quality control, production scheduling, transportation and logistics, project management and inventory control.

The objectives of the Operations Management Concentration are:

To introduce students to the applications of theoretical mathematics to real-world problems.

To apply mathematical technique to business situations.

To develop analytical reasoning skills for managerial appreciation.

To provide the mathematical foundation for the applications of computers and information technology systems solutions.

Select 5 from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operations Research and Management 308</td>
<td>3</td>
</tr>
<tr>
<td>Operations Research and Management 309</td>
<td>3</td>
</tr>
<tr>
<td>Operations Research and Management 310</td>
<td>3</td>
</tr>
<tr>
<td>Operations Research and Management 311</td>
<td>3</td>
</tr>
<tr>
<td>Information Technology 103</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 360</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>
Human Resources Management Concentration

The Human Resources Management Concentration introduces the student to the full spectrum of personnel management, including employee motivation, organizational structure, compensation and benefit plans, appraisals and labor relations.

The objectives of the Human Resources Concentration are:

To recognize and apply the appropriate people management skills to the business enterprise.

To acquire knowledge of information technology applicable to the human resources function.

To develop an appreciation for the various personnel practices for a global business enterprise.

Select 5 from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business 201</td>
<td>3</td>
</tr>
<tr>
<td>Human Resources 304</td>
<td>3</td>
</tr>
<tr>
<td>Human Resources 310</td>
<td>3</td>
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<td>Human Resources 409</td>
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<td>Human Resources 410</td>
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<td>Information Technology</td>
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<td>Sociology 301</td>
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<td>Sociology 319</td>
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<td><strong>Total credits required</strong></td>
<td>15</td>
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E-Commerce Concentration

The advent of the World Wide Web has revolutionized the process of domestic and international commerce in business-to-business and business-to-consumer relationships. The E-Commerce Concentration is a multi-discipline program that integrates courses from information technology, marketing and intellectual property law.

The objectives of the E-Commerce Concentration are:

To prepare students for the dynamic opportunities presented by E-Commerce.

To use E-Commerce as the tool to apply a foundation in the basic management discipline.

To provide a vehicle for related majors with appropriate prerequisites to develop marketable skills.

Select 5 from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Information Technology 203</td>
<td>3</td>
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<td>Information Technology 210</td>
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<td>Information Technology 303</td>
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<tr>
<td>Information Technology 305</td>
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<tr>
<td>Marketing 340 or 440</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits required</strong></td>
<td>15</td>
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</tbody>
</table>
BUS 101 Organization and Management

Introduces the major areas of concern to business and not-for-profit enterprises today. The business environment, economic issues, international affairs and rising importance of ethical conduct are discussed. The roles of marketing, finance and management theory are introduced and the roles of such diverse components within the firm as human resources, the law, accounting and computers are considered. Includes Business Advisory Council-sponsored guest lecturers, role-play exercises and videos. 3 credits. Every semester; day and evening.

BUS 201 Global Business

Businesses of any size are now able to engage in some aspect of international business and the shape and pattern of international business is constantly evolving. In this course, students learn what forces have shaped and continue to shape international business, how the firms engaged in international business influence its evolution, and what decisions a firm goes through to decide where, when and how it will engage in international business. Emphasis is placed on how the study of international businesses crosses different disciplines within and without the management field. 3 credits. Offered as needed; evenings.

BUS 204 Business and Society

Provides the student with an understanding of the many organizations with which a business maintains a relationship. The student gains an awareness of the strategies and tactics businesses use to manage the diversity of demands of such groups as stockholders, workers, consumers, community groups and government regulators. 3 credits. Offered as needed.

BUS 205 Management of a Small Business

Emphasis is placed on the individual responsibilities involved in operating a family business or in starting up a business such as a retail store, a distribution warehouse, a sales organization, a contracting firm or any other type of small business. Students study the legal aspects, financial processes, marketing methods, managerial techniques and general operating procedures that will increase their abilities to achieve and maintain a profitable business entity. 3 credits. Fall Semester; day. Spring Semester; evening.

BUS 250 Business Communication

Intended to increase the student's ability to write effective communications through memos and letters. Students learn the proper way to write sales letters, good news announcements, collection and adjustment letters, long and short business reports and the general routine correspondence typical for business executives in the average organization. Special consideration is given to employment-seeking letters and the resumes that must accompany them. 3 credits. Offered as needed.

BUS 342/PHI 342 Philosophy of Business Ethics

An introduction to the philosophical questions and theories associated with business ethics, with discussions based on the study of sample actual business cases. Topics include: applying moral philosophy to business ethics, social responsibility, organizational culture and ethical decision making, development of an effective ethics program and business ethics in a global economy. Prerequisite: PHI 201 or 203. 3 credits. Every Semester; day.
BUS 490 Business Policies

The focus of this capstone course is a dynamic, competitive business simulation in which students run a company, filling the roles of managers in such areas as strategic planning, production, operations, marketing, and finance. Students first learn about the role of strategic planning through case analysis and then apply their skills in the simulation. Prerequisite: senior standing. 3 credits. Every semester; day and evening.

BUS 496 Business Research

An interdisciplinary approach to the study of recognizing and isolating business problems, while demonstrating the use of research as a management tool in guiding executive thinking and decision making; cases and problems employed with emphasis on quantitative and analytical techniques. Prerequisite: junior or senior standing and permission of the instructor. 3 credits. Offered as needed.

BUS 497 Internship

Supervised work experience in various fields of business including submission of a written report. Maximum two semesters. Prerequisites: prior application and approval of the chairman. 1-3 credits. Every semester.

BUS 498 Independent Study

Individual research and study with the approval of the Management Department. Prerequisite: prior application and approval of the department chairman. 1-3 credits. Every semester.

Finance [FIN] Courses

FIN 216 Personal Finance

Analysis of the many aspects of personal finance in modern society. Topics include: personal budgeting, investments, mortgages, insurance and taxes. Prerequisite or co-requisite: FIN 301. 3 credits. Fall Semester; evening. Spring Semester; day.

FIN 301/ECO 3331 Principles of Finance

Aspects of financing corporate entities in the functioning of the economy; equity financing; capital structure; bond flotation, mergers and takeovers; holding companies; security underwriting and market rights; warrants and options. The use of financial ratios, time value of money and other techniques of financial analysis. Prerequisites: Prerequisite: MAT 050 or exemption by placement examination; ACC 101 or 150; ECO 1201 and either ECO 2202 or 2306. 3 credits. Every semester; day and in the evening Fall Semester.

FIN 302/ECO 3332 Managerial Finance

Focuses on the efficient management of the financial resources of the firm. Consideration is given to the time value of money, the statistical analysis of risk and the use of financial ratios. Explores financial statements, analysis, financial planning, working capital management, short- and long-term financing and optimal capital structure. Leases versus purchases and dividend policies are studied. Prerequisite: ECO 3331/FIN 301. 3 credits. Fall Semester; evening. Spring Semester; day.

FIN 312/ECO 3333 Security Analysis

Quantitative and qualitative methods of analyzing industrial securities, with emphasis on common stock; principles underlying the selection and management of both individual and institutional portfolios; market timing and technical strategies. Prerequisite: ECO 3331/FIN 301. Lab Fee. 3 credits. Fall Semester; day. Spring Semester; evening.
FIN 334/ECO 3334 Government Finance

A study of government budgets and the budgetary process. The role of federal, state and local governments in production and the provision of Social Security. The economic impact of alternative expenditure on income distribution. The impact of government borrowing on financial markets. Prerequisites: ECO 1201. 3 credits. Fall Semester; day.

FIN 340 Insurance and Risk Management

To learn and understand risk management and all the insurance implications of the business world including property, liability, underwriting, reinsurance, retention of risk, and claims management. To recognize the importance of insurance and risk management within all business industries in our society and to be exposed to the opportunities in this field. Prerequisite: FIN 301/ECO 3331 or exemption. 3 credits. Fall Semester; day. Spring Semester; evening.

FIN 412/ECO 3433 Portfolio Management

The construction and analysis of both individual and institutional investment portfolios, portfolio objectives, strategies and constraints, economic and non-economic variables impacting portfolios; performance measurement. Prerequisite: FIN 301/ECO 3331. 3 credits. Fall Semester; evening.

FIN 416 Introduction to Financial Derivatives

Examines the use of financial derivatives, including options, forwards, futures and swaps. Topics are approached with a blend of theory and practice. Considerable emphasis on quantitative analysis of pricing and strategies with the objective of preparing the student to properly use derivatives in managing the financial risks of a business. Prerequisites: FIN 301/ECO 3331. 3 credits. Offered as needed.

FIN 420 International Finance

An examination of the range of financial issues facing companies once they begin conducting business and/or owning assets outside the country in which they are headquartered. This course is a combination of corporate and managerial finance. Issues such as using global financial markets to finance the firm, identifying and managing currency risk and the operational and strategic use of hedging techniques will be highlighted. Students also will learn how the value of an international firm is affected by the scope and nature of its international operations and international finance activities. Prerequisite: FIN 301/ECO 3331. 3 credits. Offered as needed.

FIN 422 Financial Institutions Management

Analyzes the structure of corporations providing financial services. Course examines institutions such as commercial banks, security brokers and insurance companies. Management problems unique to such firms are considered. Areas examined include management of assets and liabilities, credit and interest rate risk, control of financial operations and the impact of government regulations. Prerequisite: FIN 301/ECO 3331. 3 credits. Offered as needed.
HR 201 Management Theory and Practice

Analyzes the functions of planning, organizing, directing, controlling and communicating as exercised by managers of all enterprises. Students develop an understanding of the levels of management and their implications for the management function. Consideration is given to the conceptual, technical and human relations skills needed for effective management. Course includes a management simulation. Prerequisites: BUS 101 and MAT 050 or exemption from MAT 050. 3 credits. Fall Semester; day and evening.

HR 310 Organizational Behavior

This course focuses on the fundamental concepts of psychology, sociology, cultural anthropology and awareness of human behavior in organizational environments. Through an active learning process, individual and group reactions, motivation, perception, leadership roles, personality dynamics and stem culture differentiation are studied. Prerequisite: Sophomore or higher standing and HR 201 or HC 103. 3 credits. Fall Semester; day and evening.

HR 409 Industrial Relations and Collective Bargaining

The various factors, including legislation, involved in the negotiation of a contract between employers and employees; the aspects of the administration and interpretation of the contract are analyzed through actual contracts and cases involving portions of the contract, appropriate legislation and administrative rulings. Prerequisite: HR 201. 3 credits. Offered as needed.

HR 410 Compensation

This course examines the development and administration of wage and salary programs in all sectors. Topics include the flow of events that determine what financial rewards are provided. Other areas of study include the role of compensation in recruitment, retention, and promotion. Prerequisite: HR 201. 3 credits. Offered as needed.

Marketing [MKT] Courses

MKT 201 Marketing

An introductory course in the role of marketing within firms both domestically and internationally oriented. The marketing function is analyzed from the development of products or services through their distributive channels, promotion and pricing. Students study brands, their life cycles, their advertising and sales promotion and the methods used to obtain market research. Prerequisites: BUS 101 and MAT 050 or exemption. 3 credits. Every semester; day and evening.
MKT 202 Marketing Management

An in-depth study, using the case method of markets, market planning and marketing decisions. Students learn to evaluate products in relation to consumer demand, market segments, competitive positioning, alternate distributive channels and relative price lining. Managerial aspects of the marketing functions are stressed. Prerequisite: MKT 201. 3 credits. Every semester; day and evening.

MKT 307 Advertising and Sales Promotion

An advanced course in the techniques of contemporary advertising and sales promotion as used by market-oriented business firms. Students learn to write copy, plan space; TV and radio ads; determine budgets; and develop campaigns for media, direct marketing and point-of-sale displays. Agency/client relationships, corporate advertising departments, trade shows and business expositions are explored. Prerequisite: MKT 201. 3 credits. Spring Semester; evening.

MKT 309 The Sales Function

A course geared to the development of personal selling abilities. The function of sales in the marketing structure of a typical corporation is studied and students learn the methods for recruitment of sales personnel, their training, the setting of quotas and the operation of a field sales force. Prerequisite: MKT 201. 3 credits. Fall Semester; evening. Spring Semester; day.

MKT 315 Public Relations

Provides a thorough grounding in the techniques of public relations within the marketing department and throughout the entire corporation. Students learn to write media news releases, newsletters and speeches, plan full campaigns and handle crisis situations. Techniques and strategies of leading firms are presented through case histories. Prerequisite: MKT 201. 3 credits. Spring Semester; day and evening.

MKT 316 Merchandising

A course in the planning, selecting and controlling of consumer merchandise as it moves through the distribution cycle from producer and distributor to retail stores. Students study today's retail environment of stores, shops, markets, malls and super shopping extravaganzas in both the United States and Europe. The course topics include store locations, merchandise buying and pricing, promotions, lighting, color and displays and the operation and management of a typical retail enterprise. Prerequisite: MKT 201. 3 credits. Fall Semester.

MKT 330 International Marketing

Modern marketing crosses borders with an ever-growing volume of industrial and consumer products that are exported, imported or manufactured by firms located in one nation for distribution in another nation. This course expands the principles of marketing to include the planning, pricing, distributing and promoting of global products as well as those earmarked for sale in selected foreign markets. Students study the methods of distributing products in foreign markets. Prerequisite: MKT 201. 3 credits. Fall Semester; day.

MKT 340 Direct Marketing

An introductory course in direct, database and interactive marketing including direct mail, broadcast, Internet, telemarketing, catalogues, inserts, video for sales, fundraising and image building. Students learn to generate and qualify leads and to create potential consumers. The special competencies of direct marketing are stressed, including issues of measurement and accountability. A special focus on the challenges and opportunities of Internet marketing will be included. Prerequisite: MKT 201. 3 credits. Every semester; day and evening.
MKT 440 Internet Marketing

This course provides a comprehensive understanding of electronic commerce as a marketing and general management discipline. Business-to-business as well as business-to-consumer applications of e-commerce are reviewed, with specific focus on marketing, advertising, retailing, market research and service industries. Numerous examples from large corporations and small businesses make the concepts come alive by demonstrating the capabilities, cost and cost justification and innovative business initiatives made possible by e-commerce. Prerequisite: MKT 201. 3 credits. Fall Semester.

Operations Research and Management [ORM] Courses

ORM 301 Empirical Methods for Business Research

This course develops the ability of the student to organize, describe and understand business and economic data. It introduces probability concepts and empirical probability distributions and presents means of gathering and using business data. Included are such topics as confidence interval formation, hypothesis testing and indexing concepts. Other topics, including simple first order linear regression analysis and statistical software packages such as SPSS, may be introduced. Prerequisite: MAT 050 or placement by examination. 3 credits. Every semester; day and evening.

ORM 308 Quantitative Methods in Business I

The employment of mathematical and statistical tools in the solution of business decision problems; techniques such as linear programming, inventory theory, queuing theory, decision theory and computer simulation. Prerequisites: MAT 109 or MAT 202; and either MAT 301 or ORM 301. Lab fee. 3 credits. Every semester; day and evening.

ORM 309 Business Forecasting

Students become familiar with the needs of businesses to forecast demand and are exposed to techniques such as time series analysis and decomposition, regression analysis, moving averages and exponential smoothing and “jack-knife” methods. Qualitative techniques are also addressed, including “top-down” and “bottom-up” forecasting, Delphi Method and “panel of experts” approach. Students are also exposed to software packages on the microcomputer. Prerequisites: MAT 109 and ORM 301 or permission of instructor. 3 credits. Offered as needed.

ORM 310 Production and Operations Management

This course introduces students to the complex processes by which such inputs as land, labor and capital are converted into outputs such as goods and services. Issues include production scheduling, integrated control systems and control methods for quality, cost, inventory and projects. Prerequisites: ORM 301 or permission of instructor. 3 credits. Every semester; day and evening.

ORM 311 Quantitative Methods in Business II

Students become familiar with a variety of special operations research techniques not available in other Operations Research courses. Contents include: Markov chains, dynamic programming, goal programming, utility theory, game theory, marginal analysis and queuing theory. Prerequisites: MAT 109 and ORM 301 or permission of instructor. 3 credits. Offered as needed.
ADDITIONAL INFORMATION

Tuition and Fees
Financial Aid
Scholarships
Board, Administration and Faculty
Academic Calendar
Index
Tuition and Fees 2003-2004
The following rates are subject to change

Tuition

Full-time students, 12-18 credits (or the equivalent) ..............................................$5,310 per semester
Evening students restricted to a semester program of 12-13 credits due to College scheduling policy are permitted to enroll without tuition cost in one course in either Intersession or Summer Session I or II for each full-time semester of restricted program.

Full-time students, 19 or more credits .............................................................................$5,310 per semester plus $365 for each credit in excess of 18

Part-time students, 1-11 credits .................................................................................... $365 per credit
Intersession 2004 .............................................................................................................$365 per credit
Summer Sessions 2004 ..................................................................................................$365 per credit
Non-credit course Mathematics 050 or 070 .................................................................$1,095 per course for part-time students or as 3 credits for full-time students
Experiential learning .......................................................................................................$122 per petitioned credit

Regular Fees

Admission
Application .................................................$35
Matriculation ..................................................$25
Readmission ...................................................$25

Service
Full-time students, Fall and Spring Semesters .......................................................$50
Part-time students, Fall and Spring Semesters ....................................................$20

Intersession
(enrollment in one or both sessions) .................................................................$20

Summer Sessions

Student activities, full-time students, Fall and Spring Semesters .............................................$30

Technology
Full-time students, Fall and Spring Semesters .......................................................$50
Part-time students, Fall and Spring Semesters ....................................................$25

Tuition Deposit
(creditable toward tuition costs for semester of admission acceptance) .......................$200

Special Fees

Graduation
Associate’s Degree .....................................................................................................$50 per degree
Bachelor’s Degree ..................................................................................................$100 per degree
Late payment/registration .........................................................................................$75 per semester
Delinquent payment (amount owed at end of semester) .......................................$75 per semester
Late installment payment (monthly) .............................................................................$50
Change of registration (drop/add) .............................................................................$5
 Locker rental (covers Fall and Spring Semesters) .....................................................$5
Returned check surcharge .........................................................................................$25 per check
Special examination ..................................................................................................$5 per examination
Transcript
Student (unofficial) .................................................................$3 per copy
Official ..................................................................................$5 per copy
Official in sealed envelope.........................................................$8 per copy

Laboratory Fees (per course)

ACC 211 ..................................................................................$40
BIO 103; 104; 107; 108; 201; 202; 203; 204; 206; 250;
300; 301; 301A; 302; 303; 304; 310; 320; 402; 405; 420 .............................................$70
CHE 105; 106; 111; 112; 201; 301; 302; 304; 312; 350; 401; 402; 404 .................................$70
COM 308 ..................................................................................$165
COM 401; 402; 501 .....................................................................$100
ED 435; 436; 437 ......................................................................$40
FA 404; 405 ................................................................................$50
IT 100; 101; 101E; 103; 104; 105; 201; 203; 205; 210; 230; 250; 301; 309; 310;
311; 313; 320; 340; 404; 410; 425; 440; 480; 500 .............................................................$40
PHY 101; 102 ..............................................................................$70
PSC 3450 ..................................................................................$40
PSY 101; 300 ..............................................................................$40
SCI 301; 302 ..............................................................................$70

Payment Procedure

Registration is not complete without the timely satisfaction of all tuition and fees charges. Payments may be processed by cash, personal check, money order, bank cashier’s check and MasterCard, Discover Card or Visa credit cards. If any check payment, upon presentation by the College, is dishonored and returned unpaid for any reason, a surcharge will be imposed.

A student is liable for all charges for courses for which he or she registers. If there is a change in the original registration, payment of any additional tuition and/or fees incurred by the student as a result of a registration change is due on the day of the change. When a course is repeated, full tuition and fees are assessed for the repeated course, notwithstanding the reason for the course repetition. No transcript of a student’s record or certification of enrollment or certification of a degree will be processed by the Registrar’s Office unless a student’s financial obligations to the College have been fully paid and the student is in compliance with state and federal student loan regulations and the student has no outstanding obligations to the library. No student may complete enrollment for the next term if any funds are due the College for a prior term’s registration.

The College offers the following payment options:

Full payment: This is the regular and preferred payment arrangement.

Monthly Payment Option: Tuition Management Systems, Inc. administers this plan for the College, offering various payment options via the Web or phone—using credit cards or automatic withdrawal (ACH) from checking/savings accounts, in addition to checks. It offers the option of spreading payment of tuition and fees over the academic year in eight, nine, ten or twelve equal monthly payments. The 10-month installment program begins in July and ends the following April. A 12-month installment program beginning in May running through the
following April is available for renewal enrollment in the program. There also are monthly payment plans covering one semester only.

The enrollment fee is $55 for the academic year plan covering 10 or 12 monthly payments. A higher enrollment fee is required for the other payment options. A $50 late fee is charged monthly for late installment payments. Monthly Payment Option applications may be obtained from the Financial Aid and Student Accounts Offices, from Tuition Management Systems at 1-800-895-9061 or www.afford.com. This program does not apply to the summer or intersession courses.

Students with extenuating circumstances that cannot be accommodated by the monthly payment program should submit a request for a tuition extension agreement detailing their extenuating circumstances and planned payment schedule to the Student Accounts Office for approval. These approved plans require an enrollment fee and applicable late payment fees.

Refund Policy

When circumstances require a student to withdraw from the College or to drop or withdraw from one or more courses, it is necessary to file official written notification of withdrawal with the Office of the Registrar. Normally, a student is expected to withdraw or drop courses in person by completing a form furnished by the Office of the Registrar. The date the official course withdrawal notice is filed with the Office of the Registrar determines the official withdrawal date to which the refund policy is applied. If conditions preclude the student from withdrawing in person, a letter bearing the student's signature and requesting a course withdrawal should be forwarded to the Office of the Registrar. In this instance, the postmarked date of the withdrawal letter determines the official withdrawal date to which the refund policy is applied. In no case will a refund be granted to a student who is dismissed or who withdraws while under disciplinary action.

A student who feels that his or her individual circumstances warrant an exception to the College's refund policy may address a written appeal for special consideration to the Office of Student Financial Services, Student Accounts Unit, St. Francis College, 180 Remsen Street, Brooklyn, NY 11201.

Refund of Fees

The following fees are non-refundable: application, change of registration, monthly payment (and extenuating circumstances) plan enrollment, late payment, late registration, locker rental, readmission, returned check surcharge, special examination and transcript. The tuition deposit fee, applied as payment toward tuition costs, is non-refundable if the student does not enroll for the term of admission acceptance for which the deposit is recorded.

The following fees are refundable when assessed for a term from which an official withdrawal notice has been filed with the Office of the Registrar, if the course withdrawal/drop is initiated prior to the opening date of the term, as specified in the College's academic calendar: laboratory, matriculation, service and student activities. On the opening date of the term and thereafter, none of the preceding fees is refundable. Graduation fees are refundable if a student fails to earn the degree for which the fee was paid.
Refund of Tuition Schedules

For official withdrawal or official drop from a course, a refund of course tuition charges is subject to the following schedules:

**Fall or Spring Semester**
Dropping courses prior to the opening of the semester .......................... 100%
Dropping courses during the first week of the semester ......................... 90%
Withdrawal during the second week of the semester ............................ 90%
Withdrawal during the third week of the semester ............................... 60%
Withdrawal during the fourth week of the semester ............................. 50%
Withdrawal during the fifth through the eighth week of the semester ....... 25%
Withdrawal after the eighth week of the semester ................................ None

There is no refund of the full-time flat-rate semester tuition unless the student withdraws/drops to less than full-time status (below 12 credits or the equivalent). If a student charged the full-time flat-rate tuition withdraws/drops all courses, the above percentage tuition refund schedule applies. If a student charged the full-time flat-rate tuition withdraws/drops to part-time status, the difference between the full-time tuition charge and the part-time per credit tuition assessed for the student’s remaining courses is subject to the above percentage tuition refund schedule. A restricted program full-time evening student afforded a refund of any portion of the full-time flat-rate tuition forfeits permission to enroll without tuition cost in an Intersem or Summer Sessions course. Petitioned experiential learning tuition is non-refundable. The tuition refund schedule for withdrawal from a year-long seminar is applicable only to the semester in which the course tuition is assessed (normally the Fall Term).

**Summer Session, Five-Week Session**
Withdrawal prior to the opening of the session ................................. 100%
Withdrawal during the first three days of the session .......................... 90%
Withdrawal during the fourth through the eighth calendar day of the session ..... 50%
Withdrawal during the ninth through the sixteenth calendar day of the session ...... 25%
Withdrawal after the sixteenth calendar day of the session ....................... None

**Interession (January session prior to the Spring Semester)**
Withdrawal prior to the opening of the interession ............................. 100%
Withdrawal during the first two days of the intercession ........................ 90%
Withdrawal during the third or fourth calendar day of the intercession .......... 50%
Withdrawal during the fifth through ninth calendar day of the intercession ...... 25%
Withdrawal after the ninth calendar day of the intercession ..................... None

A course scheduled to meet for less than the full length of a semester or session has a tuition refund schedule specific to the course being offered; the applicable course-related refund policy is announced at the time of registration for the aforementioned course.
Withdrawal from Classes and Return of Financial Aid Monies

If a student withdraws from the College and the tuition and fees assessed for the semester were paid in full or in part by financial aid awards or loans, a portion of unearned awards and loan funds must be returned to the financial aid programs and/or lender. In accordance with federal regulations, unearned financial aid monies are repaid to the following sources, in order:

2. Federal Pell Grant program;
3. Federal SEOG program;
4. Institutional aid programs, or to any state or private financial aid sources, if refunds are required.

New York State TAP awards are subject to a reduction of the award amount if a portion of the tuition costs upon which the initial award was based is refundable due to withdrawal from classes. Withdrawing or dropping classes within the time frame when a percentage of tuition is refundable in accord with the above refund schedule may also affect eligibility for awarded financial aid and loans. If a return of funds to the financial aid programs or a TAP award reduction results in an amount due for the semester of enrollment, the balance due is payable by the student to St. Francis College. Examples of the application of the current federal regulatory policies are available upon request to the Office of Student Financial Services/Student Accounts Unit.

Student Refund Check Policy

Financial aid funds or loan monies that are in excess of tuition/fees owed the College, student overpayments of enrollment costs, overpayments occasioned by dropping or withdrawing from a course or the cancellation of a course by the College are automatically refunded to the eligible student by the issuance of a student refund check within 14 days of the latter of: (1) the opening date of the semester or (2) the date the overpayment or credit balance occurs.

Refunds of financial aid awards, student loans, etc., cannot be processed until the College has received the actual monies and student eligibility for the funds has been determined. Refund checks for excess financial aid award funds are routinely issued prior to the midpoint of the semester or within 14 days of the date the financial aid monies are credited to a student's account and an overpayment or credit balance is recorded. Checks are mailed unless a student requests, in writing, to pick up the check at the Student Accounts Unit, Room 614A.

The validated St. Francis College photo student identification card and a second form of acceptable identification must be presented to receive the refund check. At the student's option, refund checks issued by the Student Accounts Unit may be cashed at the College's bank upon presentation of a St. Francis College photo ID card bearing a current semester's validation sticker and a second form of identification acceptable to the bank. Monies in excess of charges owed the College are not held on a student's account, excepting that a minimal credit balance of $25 or less will be applied to subsequent enrollment costs unless the student completes a refund voucher at the Student Accounts Unit. Refund checks are not issued if a student owes monies to the College, fails to comply with state and federal student loan regulations and/or has outstanding obligations to the Library.
Financial Aid

St. Francis College has a comprehensive financial aid program consisting of scholarships, grants, loans and student employment. Please refer to the College’s web site for additional information on the financial aid program.

Application Procedure

Students must apply for financial aid each academic year. All students who wish to be considered for St. Francis College grants or scholarships must complete the Free Application for Federal Student Aid (FAFSA). The FAFSA can be completed online at www.fafsa.ed.gov. Freshmen entering in the Fall Semester must file the FAFSA before February 15 for priority consideration. Students should allow at least one month for the FAFSA to be processed in order to meet the February 15 priority date. Returning students (upper class) must file for financial aid for the forth-coming academic year by March 1. Students applying for financial aid are considered for all programs for which they are eligible. The amount of the award is based on the financial need of the student. Recipients of financial aid may be required to submit the appropriate federal income tax return or similar statement of support, verifying all income information reported on the FAFSA.

After filing the FAFSA, residents of New York State have the option of completing the Tuition Assistance Program (TAP) application online by going to the confirmation page of FAFSA and clicking on the link to NYS HESC. Students who do not file online will be sent the Express TAP Application. The application must be completed and returned to be considered for state aid.

In order to release financial aid information to St. Francis College, students must enter the appropriate codes on the application. St. Francis College will not be able to package a student for aid without having received this information.

The school code for the FAFSA application is 002820.
The school code for the NY State TAP application is 0715.

General Eligibility Requirements for Financial Aid

In general, to be considered for financial aid awarded by St. Francis College, a student must:
1. Be accepted for admission to the College;
2. Have completed the matriculation requirements for a degree program;
3. Be enrolled for at least 6 credits in a program of study;
4. Be in good academic standing and making satisfactory progress toward degree requirements; and
5. Be a U.S. citizen or permanent resident (with appropriate documentation) for federal and state aid.

Academic Eligibility for Receipt of Financial Aid

Federal and New York State regulations require that financial aid recipients maintain satisfactory academic progress to qualify for continued funding. The College applies the same standards required for federal aid in determining continuing eligibility for institutional awards. These standards determine student eligibility for financial aid purposes only. Compliance with
the standards does not necessarily imply good academic standing at the College, nor does good academic standing at the College imply compliance with these eligibility standards.

Students must satisfy two requirements in order to be eligible for any kind of financial assistance, whether it is funded by the federal government, state government or through the College’s resources. First, students must show evidence of satisfactory progress toward the completion of their degree objectives. This is a function of the quality of a student’s academic performance and is measured by the quality-point index (QPI). Second, students must demonstrate that they are pursuing their respective programs of study at an appropriate pace, as assessed by the percentage of credits they have successfully completed as compared to those that they have attempted.

Federal and New York State standards for both satisfactory academic progress and “program pursuit” differ somewhat.

Qualifications for Federal and Institutional Aid

A student is not expected to have earned any college credit before receiving his or her first federal or institutional aid payment. However, in order to retain eligibility for subsequent assistance, the student must satisfy the minimum percentage and minimum QPI standards outlined in the following chart:

<table>
<thead>
<tr>
<th>Federal and Institutional Financial Aid Eligibility Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>A student who has attempted this number of total credits, including transfer credits...</td>
</tr>
<tr>
<td>must have satisfactorily completed at least this minimum percentage of total attempted credits...</td>
</tr>
<tr>
<td>A student who has satisfactorily completed this number of total credits, including transfer credits...</td>
</tr>
<tr>
<td>must have at least this minimum cumulative quality-point index...</td>
</tr>
</tbody>
</table>

All recipients of federal financial assistance are expected to complete their respective degree programs by the time they have attempted 160 credits. In no case will a student be eligible for funding once he or she has accrued a total of 160 credits attempted.

Eligibility for all federal and institutional financial aid, except federal loans, is reviewed annually after the conclusion of the spring term. Federal loan eligibility is reviewed every semester. All federal loan recipients immediately lose their eligibility upon failing to meet either or both of the above mentioned standards. A student who has attempted 59 or fewer credits since the beginning of his or her academic career is placed on financial aid probation when he or she fails to meet either or both of the above standards. A student who has attempted 60 or more credits immediately loses his or her eligibility for continued federal or institutional financial aid when either or both of the above standards is not met.
If a student does not meet the academic eligibility standards for financial aid, he or she may not receive further aid unless the Dean of Students grants a one-time waiver for the applicable semester.

Scholarship awards funded from St. Francis College's resources (e.g., academic, athletic scholarships) have additional eligibility conditions detailed in the student's financial aid award letter.

Qualifications for New York State Aid

Students taking a full-time course load (defined as 12 or more credits) must complete at least 6 credits with a passing or failing grade during both semesters in their first year. In the second year, students must take 9 credits per semester and 12 credits each semester during all subsequent years. It is important to note that "W" grades carry no credit and thus do not count in the total of credits completed each semester. Credits for a course that a student is repeating do not count toward the applicable minimum for full-time financial aid benefits, unless the student did not pass the first time or the grade earned is not acceptable toward the student's degree. (A course repeated to raise the student's quality-point index is not included in the calculation of total credit hours completed.) A student is not expected to have earned any college credit before receiving the first state aid payment. All subsequent awards, however, are made only if the recipient meets the credit and quality-point criteria enumerated in the following chart:

<table>
<thead>
<tr>
<th>New York State Financial Aid Eligibility Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before being certified for this semester of New York State aid...</td>
</tr>
<tr>
<td>a student must have satisfactorily completed a minimum of at least this number of total credits...</td>
</tr>
<tr>
<td>and achieved a minimum of at least this cumulative quality-point index...</td>
</tr>
<tr>
<td>and completed at least this number of credits with grades of A, B, C, D, F, or P during the previous semester of full-time enrollment...</td>
</tr>
</tbody>
</table>

It is important to note that the above applicable requirements must be met every semester in order to remain eligible for New York State financial assistance the following semester.
Extraordinary Circumstances

In extraordinary circumstances (illness, injury, death of a relative or serious and unanticipated personal problems beyond a student's control), the College may grant a student a waiver from these requirements. Waivers are available only once during the student's entire undergraduate career and must be specifically requested—in writing and with appropriate supporting documentation—from the Dean of Students. If the waiver is granted, the student is expected to use the semester for which it is granted to make up deficiencies and advance to the level necessary to restore eligibility for future semesters. It is important to note in this regard that a waiver merely makes available to a prospective aid recipient assistance for which he or she is otherwise ineligible and does not change the total number of semesters of his or her eligibility. New York State awards, for example, are limited to no more than eight full semesters.

Attendance Obligation

The College is required by federal regulations to suspend federal financial assistance to any student immediately upon that student's ceasing attendance. This is considered to have occurred when the student has accrued consecutive absences totaling five hours. A student for whom such a lengthy absence is due to circumstances beyond his or her control and who intends to return to class as soon as possible should notify the Dean of Students at his or her earliest opportunity. Once the permissible absence threshold has been reached, the student is presumed to have ceased attendance. If the College has not been notified to the contrary, appropriate action will be taken to return unearned financial aid funds to the federal aid programs.
Scholarships

Non-Endowed Scholarships

The Most Reverend Thomas E. Molloy Memorial Scholarship

Established by the Board of Trustees in memory of the late Bishop of Brooklyn, a distinguished alumnus of St. Francis College.

Presidential Scholarships

These scholarships are awarded to a select group of entering students who have demonstrated exceptional academic achievement and show promise of continued success, as assessed by secondary school average and performance on the Scholastic Aptitude Test. The scholarships are full tuition-and-fee awards, less Federal Pell, State aid, and other "portable" financial aid for which the student is eligible. The award is continued provided that the recipient makes satisfactory progress toward his or her degree and maintains a quality-point index of at least 3.00.

Principal Scholarships

These scholarships are awarded annually to graduates from selected high schools. High school principals annually nominate the recipients of these scholarships. The scholarship is a full tuition-and-fee award, less Federal Pell Grant, State aid, and any other "portable" financial aid for which the recipient is eligible. The award is continued provided that the recipient makes satisfactory progress toward his or her degree and maintains a quality-point index of at least 3.00.

Franciscan Scholarships

These partial scholarships are awarded to a select group of entering students who have demonstrated high academic achievement and show promise of continued success, as assessed by secondary school average and performance on the Scholastic Aptitude Test. The award is continued provided that the recipient makes satisfactory progress toward his or her degree and maintains a quality-point index of at least 3.00.

Endowed Scholarships

St. Francis College will offer the following scholarships based on available funding and student eligibility. Not all scholarships are awarded every year. For further information or to apply, contact the Financial Aid Office.

Right Reverend John J. Berkery '38 Memorial Scholarship

This full scholarship was established in memory of Father John J. Berkery '38 and was awarded for the first time in the spring of 1992 to a handicapped student.
Harold Geneen Award

Strictly need-based, these awards are solely for St. Francis College business management and accounting students in the senior class. Donated by John P. Monaghan ’57 in memory of the longtime CEO of ITT, each student receives $1,000 in their senior year.

Right Reverend Monsignor Daniel A. Hanrahan Scholarship

This scholarship is named for a distinguished alumnus of St. Francis College and is solely for the residents of Sacred Heart Parish, Cambria Heights, Queens.

J. Mangano Memorial Scholarship

A partial scholarship established in memory of J. Mangano.

Catherine McAuley High School Award

Funded by Joseph J. Martingale ’69 for two graduates of Catherine McAuley High School, these $1,000 stipends are awarded each of the four years the student attend St. Francis College.

Right Reverend Monsignor Joseph V. McClancy Memorial Scholarship

Established by the children of the Catholic schools of Brooklyn and Queens in memory of their distinguished superintendent, an alumnus of St. Francis College, this scholarship goes to a graduate of a Catholic high school.

Brother Roger Nagle, O.S.F. Scholarship

An athletic scholarship established through gifts from alumni and friends in memory of Brother Roger, the former Athletic Director responsible for the building of the athletic facilities at the College. Brother Roger served the College from 1951 to 1989 and passed away in 1991. The Nagle scholarship was first awarded in the fall of 1995.

Brother Austin Sullivan, O.S.F. Memorial Scholarship

Established by the friends of Brother Austin Sullivan, O.S.F., this scholarship is solely for a graduate of the St. Francis Preparatory School.

Brother Donald Sullivan, O.S.F. Scholarships

Two full athletic scholarships endowed with gifts from Trustees, employees, alumni, and friends in conjunction with his 25th Anniversary as President of the College. Brother Donald served as President of the College from 1969 to 1995 and was the twelfth President of the College.
Louis Valentino, Jr. '79 Scholarship

Louis was a firefighter killed in the line of duty. His wife, Diane, and parents, Phyllis and Louis, Sr. established this scholarship in 1998. Four students each year will receive a stipend of $1,000 each. The students must be firefighters, their spouses, or their children.

Endowed Presidential Scholarships

Anne Longo Amore Scholarship

Full scholarship endowed in 2001 in memory of Anne Longo Amore, mother of Dr. Ann Amore, the College’s Vice President for College Relations from 1979 to 2001. The scholarship was endowed by gifts from family members, friends, alumni, faculty, staff, and administrators.

Monsignor Paul Bradley ’37 Scholarship

Full scholarship endowed by Monsignor Bradley in 1998. Monsignor Bradley was a decorated Chaplain, serving on Iwo Jima during World War II.

Gladys Brooks Foundation Scholarships

The Gladys Brooks Foundation endowed two full scholarships. The first was originally awarded in 1987 and the second was awarded in the spring of 1992.

Dr. John Burke ’40 Scholarship

Full scholarship endowed in 2000 by many alumni and friends in honor of Dr. Burke, longtime professor of Chemistry who has taught at the College since 1943.

John Daniel Callahan Memorial Scholarship

Peter J. Callahan '63 endowed this full scholarship in memory of his father, John Daniel Callahan.

Frank M. Caputo Memorial Scholarship

Full scholarship established by the family and friends of Frank Caputo, who served on the College’s Council of Regents.

Dr. Joseph Carpino Scholarship

Full scholarship endowed in 2000 by many alumni and friends in memory of Dr. Carpino, professor of Philosophy from 1957 to 1996.
Philip Andrew Carrano '70 Scholarship

Full scholarship endowed in 2000 in memory of Philip, an outstanding teacher, by family members, friends, and alumni.

Brother Camillus Casey, O.S.F. Scholarship

Full scholarship endowed in 1998 by many alumni and friends in memory of Brother Camillus, former professor of French who taught at the College from 1972 to 1981.

Dr. Michael Casey Scholarship

Full scholarship endowed in 2000 by many alumni and friends in memory of Dr. Casey, former professor of Economics who served the College for 27 years, from 1962 to 1989.

Robert B. Catell Scholarship

Full scholarship established with part of the proceeds from the 1999 Charter Award Dinner honoring Mr. Catell, Chairman and CEO of KeySpan Energy.

Derrick D. Cephas Scholarship

Full scholarship established with part of the proceeds from the 1998 Charter Award Dinner honoring Mr. Cephas, a Partner at the law firm of Cadwalader, Wickersham & Taft.

Chase Manhattan Bank, N.A. Scholarships

Chase Manhattan Bank established two full scholarships, both in conjunction with the College's centennial.

Class of 1938 Scholarship

Full scholarship endowed by the Class of 1938 on the celebration of its 50th anniversary. This scholarship was awarded for the first time in the spring of 1990.

Dean John Clifford Scholarship

Full scholarship endowed in 1998 by many alumni and friends in memory of this former beloved Dean of Students and moderator of the Troupers who died early in his career at the College. He served the College from 1962 to 1977.

Rita and Michael Collins Scholarship

Full scholarship endowed in 1998 in honor of Mary Maccharola's parents by the Collins and Maccharola families.
Jo Conway Scholarship
Half scholarship endowed in 2003 by family and friends in memory of Jo Conway.

Joseph Coppotelli '63 Scholarship
Full scholarship established with part of the proceeds from the 2000 Charter Award Dinner honoring Mr. Coppotelli, Vice Chairman of StructureTone, Inc.

Helen and Louis DeBlasio Scholarship
Full scholarship endowed in 1998 by Kathleen and Michael DeBlasio '58, in honor of his parents.

Professor Francis Delaney Scholarship
Full scholarship endowed in 1999 by many alumni and friends in memory of Professor Delaney, former professor of Speech.

Eileen C. Dugan Scholarship
Full scholarship established by family and friends in memory of State Assemblywoman Dugan. It was awarded for the first time in 1998.

Dr. Joseph A. Ellis Scholarship
Full scholarship endowed in 1999 by many alumni, friends, and former colleagues at City College of New York in memory of this professor of History.

Employee Scholarship
Past and current employee gifts endowed this full scholarship. The scholarship was first awarded in the fall of 1992.

Bernard Ferguson '22 Scholarships
Mr. Ferguson left a gift in his will to endow two full scholarships for “worthy but needy students of the Roman Catholic faith.” The first was awarded in the fall of 1999.

Professor Nick Fiorenza '36 Scholarship
Full scholarship endowed in 1998 by many alumni and friends in memory of this longtime professor of Fine Arts. Professor Fiorenza taught at the College for 33 years, from 1946 to 1979. He passed away in 1997.

Dr. James Flynn Scholarship
Full scholarship endowed in 2000 by many alumni and friends in memory of Dr. Flynn, professor of History from 1959 to 1977.
Honorable Kevin Fogarty Scholarship

Full scholarship endowed in 2000 to honor Judge Fogarty upon his retirement as the College’s long-serving Chairman of the Board of Trustees. The scholarship was endowed by gifts from Trustees, alumni, faculty, staff, and administration.

William F. Fox, Jr. ’49 Scholarship

Mrs. Nora Fox endowed this full scholarship in memory of her husband, William F. Fox, Jr. ’49. It was awarded for the first time in the fall of 1991.

Honorable Anthony J. Genovesi Scholarship

Full scholarship endowed in 1999 by family and friends in memory of this prominent civic leader and member of the New York State Assembly.

Betty and Leo Giancola Scholarship

Full scholarship endowed in 2000 in memory of the parents of Elizabeth Giancola Becker ’78 by Elizabeth and her husband Lawrence Becker ’77.

Augustus E. Giegengack Memorial Scholarship

Full scholarship endowed by Walter ’38 and Margaret McArdle in memory of Augustus E. Giegengack, the thirteenth Public Printer of the United States.

Brother Urban Gonnoud, O.S.F. Scholarship

Full scholarship endowed in 1998 by many alumni and friends in memory of the eleventh President of the College who served as President from 1958 to 1969.

William Randolph Hearst Foundation Scholarship

The Hearst Foundation originally endowed a half scholarship, but in 1988 it was increased to a full scholarship in memory of William Randolph Hearst.

Cornelius Heeney Memorial Scholarship

The Brooklyn Benevolent Society endowed two full scholarships in memory of the Society’s founder, Cornelius Heeney.

Mary and Walter Henning Scholarship

Catherine and Michael Henning ’61 endowed this full scholarship in 2001 in honor of his parents.
**Brother Edmund Holmes, O.S.F. ’28 Scholarship**

Msgr. Paul Bradley established this full scholarship. It was first awarded in 1998.

**Dr. Clement Jedrzejewski Scholarship**

Full scholarship endowed in 1999 by many alumni and friends in memory of Dr. Jedrzejewski, former professor of Sociology who taught at the College for 26 years (1946 to 1972).

**Cathleen and George Kane Scholarship**

Full scholarship endowed in 1999 by Mary Ann and Daniel T. Kane ’67 in honor of his parents.

**Frances C. and Joseph T. Keegan, Sr. Scholarship**

Full scholarship endowed in 1998 by Mary Jane and Gerard Keegan ’68 in honor of his parents.

**Ernest Kehr Memorial Scholarship**

This half scholarship was established in memory of Ernest Kehr ’38 and was awarded for the first time in the fall of 1989.

**Brother Pascal Kelly, O.S.F. Scholarship**

Full scholarship endowed in 1999 by many alumni and friends in memory of this long time professor of Philosophy. Brother Pascal served the College for forty years, teaching from 1936 to 1976. Brother Pascal passed away in 1986.

**Dr. Nino Langiulli Scholarship**

Full scholarship endowed in 2000 by many alumni and friends in honor of Dr. Langiulli, longtime professor of Philosophy who taught at the College for forty years (1961 to 2001).

**Brother George Larkin ’60, O.S.F. Scholarship**

Full scholarship endowed in 2000 by many alumni and friends in honor of Brother George, Dean of Admissions, who has served the College since 1971.

**Danny Lynch, Sr. ’38 Scholarship**

Full scholarship endowed in 1998 by many alumni and friends in memory of this longtime basketball coach and athletic director. Danny served the College for 33 years, from 1948 to 1981.
Philip and Rhena Lynch Scholarship

Endowed in April 2002 by Michael Lynch and Susan Baker in memory of Michael's parents.

Lucy and Joseph Macchiarola Scholarship

Full scholarship endowed in 1998 in honor of Frank Macchiarola’s parents by members and friends of the Macchiarola family.

Mary and Frank Macchiarola ’62 Scholarship

Full scholarship endowed in 2000 by many alumni and friends in honor of the President of the College and his wife.

Margaret L. McArdle Scholarship

Full scholarship endowed by Walter McArdle ‘38 in honor of his wife, Margaret.

Rose D. McArdle Memorial Scholarship

Full scholarship endowed by Walter McArdle ‘38 in memory of his mother, Rose.

John ’51 and Mary McCarthy Scholarships

The Mccarthys endowed twelve full scholarships. The first was originally awarded in the spring of 1987.

Robert McCarron (Brother Isidore, O.S.F.) Scholarship

Full scholarship endowed in 2000 by many alumni and friends in memory of Brother Isidore, former professor of Religion and Director of Continuing Education.

Elizabeth Flanagan McCloskey Scholarship

This scholarship was endowed in 2001 by a gift left to the College through Mrs. McCloskey's estate.

Donald H. McCree, Jr. Scholarship

This full scholarship was established with part of the proceeds from the 1996 Charter Award Dinner honoring Mr. McCree, who is the retired President and Chief Executive Officer of B J Schroder Bank & Trust Company. It was awarded for the first time in 1997.

Brigit T. and Patrick J. McTague Memorial Scholarship

Full scholarship endowed by the late Colonel Hugh O'Neill McTague '37, in memory of his parents.
Hugh O’Neill ’37 and Josephine McTague Memorial Scholarship

Full scholarship endowed by Cynthia McTague, widow of Hugh O’Neill McTague ’37, in memory of her husband and his first wife.

Joan and Thomas Meade Scholarship

Full scholarship endowed in 1998 by the Meades. Thomas was a longtime member of the Council of Regents.

Lois Melsha Scholarship

Two full scholarships endowed through the estate of Lois Melsha. The first scholarship was awarded in the fall of 1994.

Joseph Murphy (Brother Jarlath, O.S.F.) Scholarship

Full scholarship endowed in 2000 by many alumni and friends in memory of Brother Jarlath, former Director of Development and Alumni Relations.

John Muscara Scholarship

Full scholarship endowed in 1999 by Frank Baxter, Chairman and CEO of Jefferies & Company, in memory of Mr. Muscara, a Jefferies employee and lifelong Brooklyn resident.

James Patrazzino ’69 Scholarship

This full scholarship in memory of James Patrazzino ’69 was established with gifts from his friends and colleagues and matching gifts from the Ernst & Young Foundation. It was awarded for the first time in 1997.

Providenti Family/Council of Regents Scholarships

Full scholarship endowed by AnthonyProvidenti ’67 in honor of his family and the Council of Regents of which he is a member. The scholarship was first awarded in the fall of 1995.

A.C. and Frances Providenti Scholarship

Full scholarship endowed by Frances and Anthony C. Providenti ’67. The scholarship was first awarded in the fall of 2000.

Helen Quigley Scholarships

Mr. James Quigley ’32 endowed these two full scholarships in memory of his wife. The first was awarded in the fall of 1994.
Brother Leo Quinn, O.S.F. '26 Scholarship

Full scholarship endowed in 1998 by many alumni and friends in memory of this long-time Mathematics professor.

Brother Columba Reilly, O.S.F. Scholarship

Full scholarship endowed in 1999 by many alumni and friends in memory of the eighth President of the College. Brother Columba served as President from 1925 to 1934 and from 1936 to 1952.

Brother Jerome Roese, O.S.F. Memorial Scholarship

Full scholarship established in memory of the 10th St. Francis College President. This scholarship is awarded to a student who has demonstrated exceptional academic achievement and shows promise of continued success. Brother Jerome served as President from 1952 to 1958.

Dr. Aida Santiago Scholarship

Full scholarship endowed in 2000 by many alumni and friends in memory of Dr. Santiago, professor of Economics from 1990 to 1997 who died early in her academic career.

Dr. Charles Savage Scholarship

Established by Accounting alumni in honor of the former chairman of the Accounting Department, this scholarship was awarded for the first time in the fall of 1993. Dr. Savage served the College for 23 years from 1957 and 1980.

Charles Schaem '40 Scholarship

Full scholarship endowed in 1998 by many alumni and friends in memory of this longtime Water Polo coach.

Dr. Scholl Foundation Scholarship

Half scholarship endowed in 1984 by the Dr. Scholl Foundation.

Peter J. Striano Scholarship

Full scholarship established with part of the proceeds from the 1997 Charter Award Dinner honoring Mr. Striano, Chief Executive Officer of Unity Electric Co., Inc. and Uni-Data and Communications, Inc. It was awarded for the first time in 1998.

Student Government Association/John F. Kennedy Scholarship

Full scholarship endowed in 2000 by the Student Government Association in memory of the former President of the United States.
Brother Donald Sullivan, O.S.F. Scholarships

Two full scholarships endowed with gifts from Trustees, employees, alumni, and friends in conjunction with his 25th Anniversary as President of the College. Brother Donald was the twelfth President of St. Francis College.

Third Order Regular Scholarships

The St. Francis Fraternity Third Order of St. Francis endowed one full and one half scholarship. These scholarships are awarded on the basis of both financial need and scholastic merit.

Brother Giles Turbee, O.S.F. Scholarship


Louis Valentino, Jr. '79 Scholarship

Louis was a firefighter killed in the line of duty. His wife Diane and parents Phyllis and Louis, Sr. donated a memorial fund to establish this scholarship in 1988. Three students each year will receive a stipend of $1000 each. The students must be firefighters or spouses or children of firefighters.

Joseph and Claire Walker Scholarship

Endowed in December 2002 by Clare & Joseph P. Walker '61 in memory of Joe's parents.

Rita-May and Tom '62 Ward Scholarship

Endowed in December 2002 by Tom Ward '62 and his wife, Rita-May.
The following is a list of partially funded scholarships. Once these scholarships are fully endowed, they will be presented to deserving students.

Professor John Allegra
Honorable Francis X. Altomari '50
Dr. Ann Amore
Madeline and Stanley Bogart
Frank Cellauro
Child Abuse Prevention Program (C.A.P.P.)
Currin Family
John T. Danaher '70
Hans-Peter Dawson Memorial
Dominick P. '64 & Rosemary DePaola
Duns Scotus
Edward Farrell '52
Dr. Robert Fox
The Franciscan Brothers
Dr. Enildo Garcia
Kathleen Corrigan Giallanza '90
Dr. Uwe Gielen
Helen and Richard Halverson
Dr. Dorothy Lipp Harris
Brother John Hoffschmidt, O.S.F.
Dr. Arthur Hughes
Monsignor John Kean
Ronnie Murray Konkel
Marie and Bill Lederman
Rosa and Flores Linares
Brother Alfonso Maher, O.S.F.
Brother Celestine McGarry, O.S.F.
Dr. Donald Merz '47
John Motley
Jonathan Nigro '96
John Cardinal O'Connor
Dr. Carolyn Plonsky
Dr. Tom Quigley '52
Irene and Vincent Salamone
Brother Robert Schaefer, O.S.F.
Professor Frank Slade
Brother Robert Smith, O.S.F.
Dr. Frank Sorrentino
Timothy M. Stackpole '01
Joseph Supancich '26
Grace I. Terry
World Trade Center Victims
Board, Administration and Faculty

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Michael DeBlasio, B.B.A.
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Michael Henning '61, B.B.A.
Susan Huff, B.S.
Irene Impellizzeri, Ph.D.
Leslie S. Jacobson, Ph.D.
Gerard Keegan '68, B.B.A.
Jesus Linares '84, B.S.
Frank J. Macchiarola '62, LL.B., Ph.D.
J. Christopher Mangan '83, B.A.
Robert C. Mangone, LL.B.
William Parrett '67, B.S.
Brother Kevin Smith, O.S.F., Ph.D.
Albert H. Swanke, M.B.A.
Charles E. Williams, III, J.D.
Peter M. Yu, J.D.

Administration

President and Vice Presidents of the College

Frank J. Macchiarola, President; B.A., St. Francis College; LL.B., Ph.D. Columbia University
Brother Donald Sullivan, OSF, President Emeritus; B.A., Fordham University; M.A., New York University; Ph.D., St. John's University; Litt.D., St. Francis College; L.H.D., St. Joseph's College

*James C. Adams, Vice-President for Student Affairs/Dean of Students; B.A., Gettysburg College; M.A., Ph.D., University of Maryland
Stephen Bogart, Executive Assistant to the President and Vice-President for Enrollment Services; B.A., Montclair State College; M.A., New School for Social Research
Linda Werbel Dashefsky, Vice-President of Government and Community Relations; B.A., University of Michigan; J.D., Brooklyn Law School
Richard F. Halverson, Executive Vice-President; B.S., University of Wisconsin; M.A., Ph.D., Columbia University
Gerald A. Largo, Vice-President for Academic Affairs/Academic Dean; B.A., Cathedral College; M.A., St. John’s University; Ph.D., New York University
Sean Patrick Moriarty, Vice-President for Development; B.S., Boston University
Jessie Riley, Vice-President for Information Technology; B.S., City University of New York; M.A., New York University

**Academic Affairs**

Timothy J. Houlihan, Associate Dean for Academic Affairs; A.B., Hamilton College; M.A., Ph.D., State University of New York at Binghamton
Lucille Hicks, Assistant Dean for Academic Affairs; B.A., Fordham University; M.Ed., University of Massachusetts; M.Ed., Teachers College, Columbia University
Myriam A. Folkes, Administrative Assistant; B.S., St. Francis College
Robert Robbins, Purchasing Manager; A.A.S., Nassau Community College

**Academic Support and Freshman Studies Center**

Sarah Holloway, Assistant Dean for Academic Support and Freshman Studies; B.A., Hunter College, CUNY; M.S., Adelphi University
Monica Michalski, Senior Academic Advisement Counselor; B.A., St. Francis College; M.A., Teachers College, Columbia University
Mitchell Levenberg, Director of Academic Support Center; B.A., M.A., Queens College; M.A., CUNY Graduate Center
Ms. Ghazala Afzal, ESL Specialist/Tutor, Academic Support Center; B.A., University of Peshawar; M.A., Long Island University
Henry Paulis, Remediation Specialist (Mathematics); B.S., Brooklyn College, CUNY

**Admissions**

Brother George Larkin, O.S.F., Dean of Admissions; B.A., St. Francis College
John McAreavey, Assistant Dean of Admissions; B.A., Marist College
Amanda Finigan, Counselor; B.A., St. Francis College
Dennis McCarthy, Counselor; B.A., Fordham University

**Alumni Relations**

Dennis McDermott, Director of Alumni Relations; B.S., St. Francis College; M.S., Brooklyn College, CUNY
Vanessa DeAlmeida, Assistant Director of Alumni Relations; B.A., St. Francis College

**Athletics**

Edward J. Aquilone, Director of Athletics; B.B.A., St. Francis College; M.S., Long Island University
Irma Garcia, Associate Athletic Director; B.S., St. Francis College
Carl Quigley, Assistant Athletic Director, Aquatics; B.A., St. Francis College
James Hoffman, Compliance Officer; B.S., Fairfield University
Angela Merlino, Director of Sports Information and Marketing; B.A., St. Francis College

222 Board, Administration and Faculty
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Glenn Braica, Assistant Coach, Men’s Basketball; B.S., Queens College
Neal Biscaldi, Assistant Coach, Men’s Basketball; B.A., Rowan University
Brenda Milano, Head Coach, Women’s Basketball; B.S., Wagner College
Taryn Brown, First Assistant Women’s Basketball Coach; B.A., The University of Texas at
Austin
Philip Merlino, Second Assistant Women’s Basketball Coach; B.S., Trenton State College
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B.A., St. Francis College
Donald W. Hovey, A.T.C. Head Athletic Trainer; B.A., University Of New Hampshire; M.A.,
New York University; M.S., Long Island University
Nicole Hovey, A.T.C., Assistant Athletic Trainer; B.S., Hofstra University
Rose-Ann van der Geld, Assistant Athletic Trainer; B.S., Long Island University

Campus Ministry
Brother Thomas Grady, OSF; Director of Campus Ministry; B.A., St. Francis College; M.A.,
Duquesne University

Career Development Center
Naomi Kinley, Director of Career Development; B.A., Pennsylvania State University; M.A.,
University of California, Los Angeles
*Brother Thomas O’Neill, OSF, Associate Director of Career Development; B.A., St. Francis
College; M.S., New York University

Communications
Christian Browne, Director of Communications; B.A., College of the Holy Cross

Controller’s Office
Christopher Delaney, Controller; B.S., St. John’s University; M.B.A., New York University
Lance Murdock, Assistant Controller; B.S., M.B.A., Long Island University
Danny Plaza, Staff Accountant; B.S., St. Francis College

Department Chairmen
Steven Anolik, Chairman, Psychology Department; B.A., University of Connecticut; M.A.,
Queens College, CUNY; Ph.D., Ohio State University
Richard Berleth, Chairman, Communications Arts Department; B.A., Colgate University;
M.A., Ph.D., Rutgers University
Sophie Berman, Chairman, Philosophy Department; B.A., University of Paris-Nanterre; M.A.,
University of Toulouse; Ph.D., Fordham University
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American University; M.B.A., University of Pennsylvania; PhD., Rutgers University
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* Pax et Bonum Medal—15 years or more of service to the College.
Academic Calendar

Fall 2003

Classes begin ..............................................................................Wed., Sept. 3
Add/drop fee begins ....................................................................Fri., Sept. 5
Last day to add .............................................................................Wed., Sept. 10
Mark of “W” begins for course withdrawals ................................Thurs., Sept. 11
Last day to file Pass-Fail Option ...................................................Tues., Sept. 30
Columbus Day—No classes; library and administrative offices closed ..........Mon., Oct. 13
Midterm grades due to Registrar’s Office by 5:00 .................Fri., Oct. 17
Advising for 04/IS and 04/SP begins .........................................Mon., Oct. 20
Last day to file degree application for February, May or August 2004 ....Fri., Oct. 24
Registration appointments for 04/IS and 04/SP begin ............Mon., Oct. 27
Last day to drop .........................................................................Thurs., Nov. 6
Registration appointments for 04/IS and 04/SP end .....................Fri., Nov. 14
Thanksgiving Recess—No classes; library and administrative offices closed ......................................................Wed., Nov. 26 – Sun., Nov. 30
Last day of classes ....................................................................Mon., Dec. 8
Study day (no day classes; evening classes meet) .................Tues., Dec. 9
Final examinations .................................................................Wed., Dec. 10 – Tues., Dec. 16
Tuition for 04/SP due ...............................................................Wed., Dec. 17
Late registration/payment fee for 04/SP begins .................Thurs., Dec. 18
Grades due to Registrar’s Office by 5:00 .............................Fri., Dec. 19

Intersession 2004

Tuition due .................................................................................Tues., Dec. 30, 2003
Late payment fee begins ............................................................Wed., Dec. 31
Classes begin ............................................................................Fri., Jan. 2
Last day to add .........................................................................Mon., Jan. 5
Mark of “W” begins for course withdrawals ...............................Tues., Jan. 6
Last day to file Pass-Fail Option ..................................................Thurs., Jan. 8
Last day to drop .......................................................................Fri., Jan. 9
Classes end .............................................................................Fri., Jan. 16

Spring 2004

Martin Luther King, Jr., birthday—Library and administrative offices closed ..........................................................Mon., Jan. 19
Classes begin ............................................................................Tues., Jan. 20
Add/drop fee begins ..................................................................Thurs., Jan. 22
Last day to add .........................................................................Tues., Jan. 27
Mark of “W” begins for course withdrawals ...............................Wed., Jan 28
Commencement for 03/FA and 04/IS graduates ........................Thurs., Jan. 29
First Summer Session
Tuition due .............................................................. Fri., June 4
Classes begin ........................................................... Mon., June 7
Late payment fee begins ............................................. Mon., June 12
Last day to add .......................................................... Tues., June 13
Mark of “W” begins for course withdrawals ............... Wed., June 14
Last day to file Pass-Fail Option ......................... Thurs., June 22
Last day to drop ........................................................... Thurs., July 29
Independence Day holiday—No classes; library and administrative offices closed
Sun., July 4 – Mon., July 5
Classes end ................................................................. Thurs., July 8

Second Summer Session
Tuition due .............................................................. Thurs., July 8
Classes begin ............................................................. Mon., July 12
Grades for 04/S1 due to Registrar’s Office by 5:00 .... Mon., July 12
Late payment fee begins ............................................. Mon., July 12
Last day to add .......................................................... Tues., July 13
Mark of “W” begins for course withdrawals ........ Wed., July 14
Last day to file Pass-Fail Option ......................... Thurs., July 22
Last day to drop ........................................................... Thurs., July 29
Tuition for 04/FA due .............................................. Thurs., Aug. 5
Late registration/payment fee for 04/FA begins ....... Fri., Aug. 6
Classes end ................................................................. Thurs., Aug. 12
Grades due to Registrar’s Office by 5:00 ................. Mon., Aug. 16

Fall 2004
Labor Day—Library and administrative offices closed .......... Fri., Sept 3 – Mon., Sept. 6
Classes begin ............................................................. Wed., Sept. 8
Add/drop fee begins ...................................................... Fri., Sept. 10
Last day to add ............................................................... Wed., Sept. 15
Mark of “W” begins for course withdrawals ......................... Thurs., Sept. 16
Last day to file Pass-Fail Option .................................... Tues., Oct. 5
Columbus Day—No classes; library and administrative offices closed .......... Mon., Oct. 11
Midterm grades due to Registrar’s Office by 5:00 ..................... Fri., Oct. 22
Advising for 05/IS and 05/SP begins ................................ Mon., Oct. 22
Last day to file degree application for February, May or August 2005 .......... Fri., Oct. 29
Registration appointments for 05/IS and 05/SP begin ................ Mon., Nov. 1
Election Day—No classes; library and administrative offices closed .......... Tues., Nov. 2
Last day to drop ......................................................... Thurs., Nov. 11
Registration appointments for 05/IS and 05/SP end ................... Fri., Nov. 19
Thanksgiving Recess—No classes; library and administrative offices closed
Wed., Nov. 24 – Sun., Nov. 28
Last day of classes ........................................................... Tues., Dec. 14
Final examinations ................................................................ Wed., Dec. 15 – Tues., Dec. 21
Tuition for 05/SP due ....................................................... Wed., Dec. 22
Late registration/payment fee for 04/SP begins ......................... Thurs., Dec. 23
Grades due to Registrar’s Office by 5:00 ................................. Thurs., Dec. 23
Christmas Holiday—Library and administrative offices closed ............. Fri., Dec. 24 – Mon., Dec. 27

**Intersession 2005**

Tuition due .................................................................... Thurs., Dec. 30, 2004
Late payment fee begins ................................................. Fri., Dec. 31
New Year’s Holiday—Library and administrative offices closed
Classes begin ................................................................. Tues., Jan. 4
Last day to add .............................................................. Wed., Jan. 5
Mark of “W” begins for course withdrawals ......................... Thurs., Jan. 6
Last day to file Pass-Fail Option ....................................... Fri., Jan. 7
Last day to drop ............................................................ Tues., Jan. 11
Classes end .................................................................... Fri., Jan. 14

**Spring 2005**

Martin Luther King, Jr., birthday—Library and administrative offices closed
Mon., Jan. 17
Classes begin .................................................................. Tues., Jan. 18
Add/drop fee begins ......................................................... Thurs., Jan. 20
Last day to add .............................................................. Tues., Jan. 25
Mark of “W” begins for course withdrawals ......................... Wed., Jan 26
Commencement for 04/FA and 05/IS graduates ....................... Thurs., Jan. 27
Last day to file Pass-Fail Option ....................................... Mon., Feb. 14
Presidents’ Day—No classes; library and administrative offices closed
Mon., Jan. 21 – Tues., Jan. 22
Midterm grades due to Registrar’s Office by 5:00 ..................... Fri., Mar. 4
Advising for 05/SU and 05/FA begins ................................ Mon., Mar. 7
Registration appointments for 04/SU and 04/FA begin .............. Mon., Mar. 14
Spring Recess—no classes .................................................. Wed., Mar. 16 – Tues., Mar. 22

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Easter Recess—No classes; library and administrative offices closed

...........................................................................................................Wed., Mar. 23 – Sun., Mar. 27

Last day to drop ..............................................................................................Wed., Apr. 6

Registration appointments for 04/SU and 04/FA end ......................................Fri., Apr. 15

Classes end ....................................................................................................Mon., May 2

Study day (no day classes; evening classes meet) ............................................Tues., May 3

Final examinations ..........................................................................................Wed., May 4 – Tues., May 10

Grades due to Registrar’s Office by 5:00 .........................................................Fri., May 13

Commencement ...............................................................................................Wed., May 25

Memorial Day—Library and administrative offices closed .............................Mon., May 30


Summer 2005

First Summer Session

Tuition due .....................................................................................................Fri., June 3

Classes begin .................................................................................................Mon., June 6

Late payment fee begins ..............................................................................Mon., June 6

Last day to add .............................................................................................Tues., June 7

Mark of “W” begins for course withdrawals ................................................Wed., June 8

Last day to file Pass-Fail Option ..................................................................Thurs., June 16

Last day to drop ...........................................................................................Thurs., June 23

Independence Day holiday—No classes; library and administrative

offices closed .................................................................................................Mon., July 4

Classes end ....................................................................................................Thurs., July 7


Second Summer Session

Tuition due ....................................................................................................Thurs., July 7

Classes begin ................................................................................................Mon., July 11

Grades for 05/S1 due to Registrar’s Office by 5:00 .......................................Mon., July 11

Late payment fee begins .............................................................................Mon., July 11

Last day to add ............................................................................................Tues., July 12

Mark of “W” begins for course withdrawals ................................................Wed., July 13

Last day to file Pass-Fail Option ..................................................................Thurs., July 21

Last day to drop ...........................................................................................Thurs., July 28

Tuition for 05/FA due ....................................................................................Fri., Aug. 5

Late registration/payment fee for 05/FA begins ...........................................Mon., Aug. 8

Classes end ..................................................................................................Thurs., Aug. 11

Grades due to Registrar’s Office by 5:00 .....................................................Mon., Aug. 15
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