

St. Francis College
2001–2003 Catalogue



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 College benefits from small classes taught by professors who are committed to providing an education in an atmosphere of respect 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 the cornerstone of academic excellence, social responsibility, and mutual respect throughout the entire College community.

St. Francis College

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www.stfranciscollege.edu

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

All information contained herein 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 should not be construed as constituting a contract between the College and any person. 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 is outlined in the current edition of *The Cord*, the student handbook.

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.

Goals & Objectives

- 1 To provide effective, high-quality undergraduate degree programs in the arts, sciences, and professions.
- 2 To promote the intellectual, social, emotional, spiritual, and physical development of students.
- 3 To cultivate learning and scholarship as distinctive and intrinsically rewarding activities.
- 4 To create a serving community in the Franciscan spirit.

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 1858 as St. Francis Academy, the first private school in the diocese of Brooklyn. The School, which was opened to educate the boys of the diocese, started in a building on Baltic Street and grew quickly. In just a little more than 25 years, the trustees of the School received permission from the state legislature to “establish a Literary College” under its current name and giving it the power to confer diplomas, honors, and degrees. In June 1885, St. Francis College conferred its first Bachelor of Arts degree, and seven years later, the first Bachelor of Science degree was granted.

The School continued its meteoric growth and built a new facility on Butler Street in 1926. In 1957, the Regents of the University of the State of New York granted an absolute Charter to the Trustees of the College. In 1960, the School embarked on an expansion program. It 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.

Today the School has about 2,000 students and 12,000 alumni. They 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 Diocese of Brooklyn-Queens and Rockville Centre.

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 1884 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, to 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 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 School 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 come here.

Frank J. Macchiarola

Admissions

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, which is available on the St. Francis College 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 an 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 at the St. Francis College website 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 18.50 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 the 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. Foreign students who seek admission should file an application, transcript of high school record, and proof of high school graduation. Because of the diversity of documentation, students must present official transcripts to the Admissions Office well in advance of their anticipated entrance date. [The College is authorized by Federal Law to enroll non-immigrant aliens for the purpose of obtaining a degree.]

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 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 which properly documents the immunization history described above is acceptable as proof of immunity.

The requirements are as follows:

- A 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.
- B Mumps: One [1] dose of live rubella vaccine received on or after the first birthday, or physician diagnosis of disease, or serologic evidence of immunity.
- C Rubella: One [1] dose of live rubella vaccine received on or after the first birthday, or serologic evidence of immunity.

Persons may be exempt if:

- 1 A physician certifies in writing that the immunizations may be detrimental to their health or,
- 2 They hold genuine and sincere religious beliefs which are contrary to immunization and submit a notarized statement to that effect.

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 credits may be accepted toward a bachelor's degree; 32 towards an associate's degree. The decision to admit to advanced standing and the determination of transfer credits to be allowed rests with the staff of the Admissions Office.

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

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.

Prior to portfolio submission, students must complete the one-credit course, ED 101 Preparation of a Portfolio, at the College. Further information about this program may be obtained from the Office of the Vice-President for Academic Affairs/Academic Dean.

Student Classification

Full-time students

Those enrolled for at least 12 credits or equivalent.

Regular or matriculated students

Those who have fulfilled enrollment requirements and are pursuing a degree program.

Regular students are classified as follows:

Lower Division: Freshmen-those who have earned fewer than 28 credits. Sophomores-those who have earned 28-59 credits.

Upper Division: Juniors-those who have earned 60-89 credits. Seniors-those who have earned 90 credits or more.

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

Transfer students: Those who have withdrawn from another college or university and have been admitted to St. Francis College to complete their course of study, and holders of associate's degrees earned at accredited two-year colleges.

Transient students: Those whose academic work at St. Francis College will be transferred to another college or university in which they are regularly enrolled.

Campus Life

St. Francis College is an urban school located halfway between downtown Brooklyn - with its borough hall and court houses - and the promenade of Brooklyn Heights, one of the most beautiful sights and neighborhoods in New York City.

Five connecting buildings and the vibrant neighborhood of Brooklyn Heights make up the College's campus. There is no residence on campus; however, the College offers a variety of places to meet friends or to study between classes. Many students maintain part- or full-time jobs to help them through school, therefore classes are scheduled largely in the early part of the day. Student activities are based in offices and areas located primarily on the first two floors of the main building. A full program of intercollegiate and intramural athletics is also offered. An open-door policy among advisors, faculty, and administration contributes to the warm and caring atmosphere that is so much a part of campus life at St. Francis College.

Student Services and Activities

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 and model ethical behavior in all its programs, services, and decisions.

Throughout their time at St. Francis College, students will find a number of services to promote individual growth and development. These services have been designed to assist them especially at critical times during their college experience. They include educational and personal guidance, vocational guidance and job placement, and freshman orientation and student advisement.

Career Development Center

The professional staff and resources of the Career Development Center are available to assist students in making wise and suitable career choices and securing appropriate postgraduate employment. Toward these ends, the Center provides a substantial library of print and audiovisual 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 feedback.

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 that are 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.

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 of the college community.

The Director of Campus Ministry has an office in the McArdle Student Lounge and in Room 107A and is available daily for individual discussions on any matters of concern to students. The College Chapel is always open for private prayer and 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 Catholic Students in need of the Sacraments of Initiation.

Campus Ministry welcomes students from all religious traditions. It sponsors the College Choir and a program of community service through which students volunteer in neighboring communities. Through these efforts the College is enhanced as a community itself, while extending its caring mission to the wider society.

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 interpersonal and family issues.

International Student Advisor

The International Student Advisor is available to counsel students from other nations on immigration status and regulations, and to explain academic procedures and many aspects of American culture that may be unfamiliar to them. The International Student Advisor's office is located in the Office of Student Activities, Room 101A, [718] 489-5215.

Official Bulletin Boards

The official bulletin boards, located at the main entrance of the Registrar's Office and on each floor of the Arts Building near the elevators, carry announcements of interest to the entire student body, to certain groups of students, or to individuals. These announcements may include changes in schedule, revisions of rules and regulations, calls for students to appear at one of the administrative offices, etc. Students are held responsible for reading these bulletin boards and are obliged to acknowledge announcements pertaining to them within 24 hours of their being posted.

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.

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:

- 1 The plan covers medical expenses incurred as the result of 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.
- 2 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.

- 3 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.
- 4 Benefits are payable only on an excess basis over and above any coverage provided by any other group, blanket, franchise, or pre-paid 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 Athletic Trainer in the basement of the Physical Education Center.

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 when requested by 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 require a validation sticker for each semester. To obtain the sticker, students must present the computer printout of courses, stamped by the Office of Student Accounts, which they receive during registration. Replacements of lost cards are obtained, for a fee, in the Office of Student Activities.

Consumer Complaint Procedure

It is the College's policy to insure that any complaint or grievance made by a student is promptly and vigorously investigated. A Consumer Complaint Procedure is outlined in detail in the current edition of *The Cord*, the College's student handbook.

Campus

St. Francis College is a short walk from the Borough Hall subway station, where several subway lines stop, making the campus easily accessible from all parts of the New York City metropolitan area. The campus comprises five interconnected buildings that run along Remsen and Joralemon Streets in Brooklyn Heights, a national historic landmark district. These buildings house instructional areas and labs, a library, gymnasium, swimming pool, fitness center, student services, activities areas, and offices.

College Facilities

The McGarry Library features a 47-workstation computer research center. The library has Internet connections which enable users to search several databases for the full texts 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 collections consist of over 170,000 volumes and 520 current periodical subscriptions. Bound and unbound journals, microfilms, audio visuals, and other special collections are avail-

able for research and study. The Library provides orientation for new students, subject bibliographic instruction for classes, and individual consultation for term paper projects. It houses the Visualtek magnifier for the visually impaired.

The 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. Gorman Hall is located on the first floor of the Residence Building, which also houses the Admissions Office, the Financial Aid Office, the Registrar's Office, and a number of faculty offices.

The Arts Building The seven-story Arts Building is served by four elevators. It contains the recently renovated McArdle Student Center, 25 classrooms, and 3 seminar rooms in which faculty and student meetings are held. It also houses administrative offices.

The 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. Offices and research laboratories for the science faculty, as well as offices for the Mathematics and Athletics Departments, are located in this building. A television studio and microcomputer laboratory 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.

Physical Education Building A full-size gymnasium is where physical education courses are taught and provides the court for men's and women's intercollegiate basketball and volleyball, and a wide range of intramural activities. A competition-size swimming pool, weight training room, auxiliary gymnasium, office space, and roof recreation area comprise the Physical Education Building, which is located directly behind the Science Building.

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, as well as incidental items. The bookstore is open from 9 a.m. to 6:30 p.m., Monday through Thursday, and 9:30 a.m. to 4 p.m. on Friday. During the first two weeks of each semester, bookstore hours are 9 a.m. to 8:30 p.m., Monday through Thursday. These hours are subject to change without notice.

Student Activities

There is a wide variety of activities available at St. Francis College, satisfying many tastes and responsive to the needs and interests of most students. Students are encouraged to involve themselves in these activities, which provide opportunities for personal growth and development complementing those found in the classroom and laboratory. Co-curricular activities are related to specific academic disciplines and curricular programs. These include the St. Thomas More Pre-law Society, the Psychology Club, the Economics Society, and several Greek-letter honorary fraternities.

Extracurricular activities range from athletics to work on the student newspaper to holding an elected office in the Student Government Association to acting in a dramatic production. Each offers opportunities to develop new interests and leadership skills as well as providing a welcome change from study routines. A number of student organizations - such as the Latin American Society, the Black Students Association, the Haitian Alliance, and the Caribbean Student Association - provide opportunities for students to share aspects of their unique national and cultural heritage and offer a number of programs throughout the year for the cultural enrichment of the College community.

The student activities program is supervised by the Faculty Committee on Student Activities and by the Student Government Association, and is administered by the Director of Student Activities.

Student Government Association

The Student Government Association acts as a sounding board for all student interests and provides efficient and productive leadership for the students. It is concerned with the affairs of students in their relations with the College and surrounding communities. Elected annually by the student body, the Student Government Association derives its power from, and is essentially responsible to, the students. The Student Government Association represents the student body before the various groups involved with the College community.

Athletics

Under the supervision of the Director of Athletics and his staff, the College's athletic program provides a wide variety of intercollegiate athletic competition. Students with exceptional talent who meet strict academic requirements are eligible to compete. St. Francis College, a member of the Northeast Conference and NCAA Division I, sponsors 18 varsity sports.

Men compete 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. The Department of Athletics suite is located in the basement of the Science Building - Room B4. Admission to all home athletic events conducted by the College is free to all members of the College Community upon presentation of a currently valid identification card.

Under the direction of the intramurals supervisor, the College provides a well-rounded program of intramural sports and recreational activities for men and women. Teams for men and women include basketball, softball, volleyball, floor hockey, indoor soccer, touch football, billiards, and table tennis.

Intramural activities and programs are described in a brochure that is available in the Intramurals Office, on the second level of the Physical Education Center. Students are encouraged to take advantage of the swimming pool, gymnasium, and fitness center for recreational use, according to the schedule posted outside each facility.

Publications

The Cord is the College's student handbook, which contains the traditions, policies, procedures, and regulations of the College. Also included are descriptions of student services and activities, the Code of Conduct, and other College policies important to students. 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 emphasis on the graduating seniors and their contributions to St. Francis College.

Montage is the College's student literary and art magazine. It is a forum for the creativity and imagination of the College community and a vehicle for free expression. It is edited by students and its moderator, who make final selections, choose format, and create design. It is published once each semester.

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

Special Interest Clubs The wide variety of special interest organizations stimulates a lively campus atmosphere at St. Francis. Among the clubs currently in operation are:

Accounting Society	Education Club	Italian Historical Society
African Students Association	Fencing Club	Model United Nations Club
Black Students Association	Finance Club	Philosophy Club
Botanical Society	Haitian Alliance	Psychology Club
Caribbean Student Association	History and Political Science Society	Science Society
Cheerleaders	Honors Club	St. Francis Flyers
Creative Arts Studio	Inter-Fraternity Council	St. Thomas More Pre-Law Society
Economics Society		Troupers

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.

The 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 all the activities of the College. Its secondary aim is to honor and recognize worthy students who, by outstanding attainment, 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 St. Francis 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 Eta Rho is a national honor society whose Phi Kappa chapter was formed at St. Francis in 1987. The fraternity's aims are to further aviation in all its branches, to instill in the public mind a confidence in aviation- to promote contacts between students and those engaged in the profession- and to promote a closer affiliation among the students of aviation for the purposes of education and research. It is open to aviation majors who have completed 12 aviation credit hours and who have a minimum cumulative index of 2.75.

Alpha Kappa Delta is a national sociology honor society whose purpose is to encourage scholarship among sociology majors, to stimulate interest in sociology, and to 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; to foster research in all facets of business; to 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 partici-

pating 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.

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 the present and former students. All former graduates of St. Francis College become members upon graduation of their class.

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 is the College's alumni magazine, which is published three times each academic year [Fall, Winter, and Spring] and serves as a communication vehicle between the College and its alumni and friends.

The Office of Alumni Relations is located in the Penthouse, [718] 489.5362. Questions regarding *The Terrier* magazine should be directed to the Office of Publications in Room 609A, [718] 489.5371.

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 or 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 state-of-the-art computer research center with 32 terminals and 20 laptops available with full Internet access. Another 15 terminals are available for library services. The library houses a collection of over 170,000 volumes, 520 periodical titles and 1000 audio-visual titles. The collection can be accessed through its online 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. As a full-service academic facility, the library conducts library tours for incoming students as well as providing bibliographic instruction in a variety of subjects. Reference librarians are available for individual consultation and instruction. The library, as a member of the WALDO consortium, provides our students with access to the resources of academic, technical, and public libraries. The library contains areas for group and individual study and viewing videocassettes and microforms. Photocopying machines are located on each floor. The library is wired to accommodate laptops which are provided by the Academic Computing Department.

The Center for Academic Enhancement

The Center for Academic Enhancement [CAE] is staffed by professional and peer tutors and 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. In addition, the staff of CAE provides tutorials for reading and writing skills for native and non-native speakers of English. Workshops on study skills, which include 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.

Reading, Writing, and Study Skills Workshop [SFC 040] help 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. [0 credits. Every semester. Day]

Mathematics and Science Lab [205R] offers individual and group tutoring for many mathematics, math-related, and science courses.

Pre-Collegiate Summer Program provides intensive instruction in writing, reading and mathematics for students whose skills, based on the placement exams, are below those necessary for college success.

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, in particular, 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 insures 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. In addition, advisors are available to assist undecided upperclassmen, and students changing majors or unable to meet with their faculty advisors, with the selection of an appropriate major, clarification of their educational and career goals, and 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.

Academic 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 to introduce 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 to college. 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 SFC 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.

Freshman course of study - based upon an entering student's anticipated major field of study, performance on entrance examinations and placement tests, as well as the student's secondary school record, an academic profile is issued to the first-year student prior to registration. 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 - an important part of the first year of study is to seek advisement about educational plans. 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 Director of Freshman Studies to plan their courses for the next semester.

SFC 101 Freshman Orientation

Acquaints the first-year student with necessary college skills, as well as programs, services, and expectations of the College. Required of all first-time freshman students. 1 credit. Every semester. Day.

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 less than 12 or more than 18 credit hours a semester. Permission to take more than 18 hours may be granted by the Vice-President for Academic Affairs/Academic Dean. A student registered only for ED 404 [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 Registrar and only for a satisfactory reason. Late registrants will be charged a fee of \$75.00. All registration ceases on the last working day before classes begin.

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.

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:

- 1 Report to the Registrar's Office to complete the proper forms.
- 2 The grade of W (withdrawal) will appear on the transcript for the course but will not be computed in the student's quality-point average.
- 3 Students will not be permitted to withdraw after the first Monday in December during the Fall semester, nor after the designated date in the Spring semester, nor after the fourth week of each Summer semester.

Only under very unusual circumstances and with explicit permission of the Vice President for Academic Affairs/Academic Dean will students be permitted to withdraw after these deadlines. The date of withdrawal is the day the student informs the Registrar's Office.

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 or 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:

A	Excellent
B+	Very Good
B	Good
C+	Above Average
C	Average
D	Poor
F	Failing
W	Withdrawal
H	Honors
P	Passing

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 on the 100 level [101-102,103-104] may elect to take that course on a pass-fail basis. Any student taking HS 100A, HS 100B/PE 100A, or PE 100 [B-L] may elect to take those

courses 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 credit 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.

Quality Point Index

Scholastic achievement is recorded by means of quality points. Points are assigned as follows for each credit hour completed:

Grade A	4.0 points
Grade B+	3.5 points
Grade B	3.0 points
Grade C+	2.5 points
Grade C	2.0 points
Grade D	1.0 point
Grade F	no quality points

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 Junior Year 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.

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

The degree of Summa Cum Laude will be conferred upon a candidate who has achieved a QPI of 3.8.

The degree of Magna Cum Laude will be conferred upon a candidate who has achieved a QPI of 3.6.

The degree of Cum Laude will be conferred upon a candidate who has achieved a QPI of 3.4.

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 [9 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

1 Definition 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.

2 Objectives 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.

3 Procedure

A. Student 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.

B. Student meets with faculty coordinator to arrange for site placement and a supervising officer in the Field Placement/Internship responsible for completing an evaluation at the conclusion of the semester.

C. 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 to submit it to the faculty coordinator in time for a grade to be assigned in accordance with the academic calendar.

D. Students are required to check with the respective department to determine the specific requirements of each Field Placement/Internship course.

Dean's List and Duns Scotus Honor Society

Each semester a list of honor students is published by the Vice President for Academic Affairs/Academic Dean. This list recognizes students' academic achievements and includes those students who have achieved a Quality Point Index of 3.5 or better and have carried 12 or more credit hours if full-time, 9 or more credit hours if part-time. 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, which is conferred at a special convocation each year.

Honors Program

The Honors Program at St. Francis College offers the gifted student an opportunity to enroll in special interdisciplinary seminars and do research under the direction of distinguished professors. In Honors seminars the students have the opportunity to do primary research appropriate to the undergraduate level.

To qualify for the Honors Program, students must have and maintain an index of 3.5. Qualifying students will be invited to join at the end of their freshman year. Students may also enter at the end of their sophomore year. In addition to invitations extended to qualified students, any student may apply for admission into the program, providing he or she meets the criteria established. A student's continuance in the program is reviewed at the end of each academic year. The minimal requirement is maintenance of the 3.5 index plus satisfactory performance in Honors courses and projects. The chief form of recognition for graduates of the Honors Program is the degree with the notation of Honors awarded at graduation. Transcripts bear this designation and special recognition is given at commencement exercises.

The requirements for a degree with Honors include the following:

- 1 Participation in and completion of four one-semester Honors seminars.
- 2 Participation in and attendance at one cultural activity or event each semester, as sponsored by the Honors Committee.
- 3 Completion and acceptance of a thesis involving serious and original research. Normally the topic is in the major field and is chosen before the start of the senior year. The topic is approved by the chairman of the major department in consultation with the Honors Committee. There are two readers for the thesis - one from the major department and one from the Honors Committee.

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 [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.

Course Repetition

Students are encouraged to repeat any course[s] that they have failed as soon as it is offered.

Waivers for D grades

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 or 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

The College does not grant permission to pursue courses at other institutions, except when 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:

- 1 The student has a cumulative Quality Point Index of at least 2.0.
- 2 Written approval has been granted by the Vice President for Academic Affairs/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 June Commencement exercises.

Requirements for Degrees

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 Vice President for Academic Affairs/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 graduate 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, as well as those majoring in aviation business studies, health care management, and special studies must complete the following courses.

Core Courses	Baccalaureate Degree	Associate's Degree	Aviation Business Studies, Health Care Management & Special Studies
Communications 203	3	3	3
English 103 ¹	3	3	3
English: Literature Course ²	3	3	—
Fine Arts 401 or 403 & 402	6	3	3
Natural Science or Mathematics	6	6	3
Philosophy [courses to be taken in sequence] ³	9	6	3
Liberal Arts Electives ⁴	3	—	—
History 201	3	3	3
Sociology 203	3	3	3
Religious Studies [choose one from 101, 202, 203, 204, 205, 212, or 234]	3	—	—
Total Core Credits	42	30	21

¹ 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.

² 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.

³ The philosophy sequence consists of one 100 course, one 200 course, and one 300 or 400 course.

⁴ 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, Latin, 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/Physical Education 100A, or Physical Education 100 [B-L]. Allied Health majors [Health Care Management, Health Services Administration, and Health Promotion and Science] must take either the Physical Education 100 [B-L] or the interdisciplinary section, Health Science 100B/Physical Education 100A. Physical Education majors must take Health Science 100A or the interdisciplinary section. Students who participate in intercollegiate athletics must follow the regular registration procedures. They should select either Health Science 100A or the interdisciplinary section

Health Science 100B/Physical Education 100A.

Designating a Major Field of Concentration

All students must designate a major field from among those offered by the College. Designation of Major Forms must be filled out in duplicate and 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.

Change in Degree Program - 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

St. Francis College awards the following undergraduate baccalaureate degrees:

Bachelor of Arts [B.A.]	Bachelor of Science [B.S.]	Criminal Justice
Communications	Accounting	Health Care Management
Economics	Accounting and Business Practice with Secondary Teacher Education	Health Promotion and Science
English	Airway Science	Health Services Administration
English with Elementary or Secondary Teacher Education	Aviation Administration	Information Technology
History	Aviation Business Studies	Management
International Cultural Studies	Biology	Mathematics
Philosophy	Biology with Secondary Teacher Education	Mathematics with Elementary or Secondary Teacher Education
Political Science	Bio-medical Science	Medical Technology
Psychology	[Preparatory for New York College of Podiatric Medicine and New York University College of Dentistry]	Nursing
Religious Studies	Chemistry	Physical Education
Social Studies	Chemistry with Secondary Teacher Education	Physician Assistant
Social Studies with Elementary or Secondary Teacher Education		Radiologic Sciences
Sociology		Special Studies

The College awards the following associate's degrees

Associate in Applied Science [A.A.S.]	Associate in Arts [A.A.]
Business Administration	Liberal Arts
Criminal Justice	

Note: Students wishing to complete a degree exclusively through attendance during the evening are limited to the following programs: Accounting, Business Administration, Health Care Management, Management, and Special Studies. All other degree programs require attendance during the day for the completion of their respective requirements.

Teacher Education

Candidates for a bachelor's degree in English, Social Studies, or Mathematics may elect Teacher Education for the Elementary School [Pre K-6] or the Secondary School [7-12]. Candidates for a bachelor's degree in Accounting and Business Practice, Chemistry, or Biology may elect Teacher Education for the Secondary School [7-12]. Candidates for the B.S. degree in Physical Education are in the Teacher Education Program [K-12].

Bachelor of Science in Special Studies

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.

Course Sequence	Credits
Core curriculum [pg. 25]	21
Information Technology 101	3
Liberal Arts Electives	42
Free Electives	60
Health Science 100A: Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Total credits required	128

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 will 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, NJ. It is suggested that students interested in studying law seek an interview with the pre-law advisor, Dr. Frank J. Macchiarola.

Federal Aviation Administration Cooperative Education Program

Students enrolled in the Aviation Administration or Aviation Business Studies Program are eligible at the end of their sophomore year to be tested and apply for positions in the Federal Aviation Administration Cooperative Education Program. A stringent selection process is conducted by the FAA. Successful candidates will be employed at FAA Air Traffic Control Facilities in the region. Upon completion of the two 26-week intern periods and graduation from St. Francis, the intern is accepted by the FAA air traffic controller school and then receives assignment in the system.

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.

Junior Year Abroad

At the end of the sophomore year, students may elect to study abroad for one year and to 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.

United States Reserve Officers' Training Corps Program

Qualified full-time students may participate either in the Army ROTC Program or in the Air Force ROTC Program 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.

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:

Accounting	English	Philosophy
Aviation Administration	Fine Arts	Physical Education
Biology	French	[2 programs]
Business	Health Administration	Political Science
Chemistry	Health Science	Psychology
Communications	History	Religious Studies
Information Technology	International Cultural Studies	Sociology
Economics	Italian	Spanish
	Mathematics	

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

Comprehensive Examination or Project

The degree to which the student has achieved an overall understanding of his or her major field is tested during the senior year. 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 which 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.

When a comprehensive examination is required, the Graduate Record Examination in the major field will form a necessary part of the comprehensive, if a Graduate Record Examination is offered in the discipline. No student will be eligible for a degree until he or she satisfies this requirement.

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 Residence Requirement

The final 30 credits for the degree must be earned at St. Francis College.

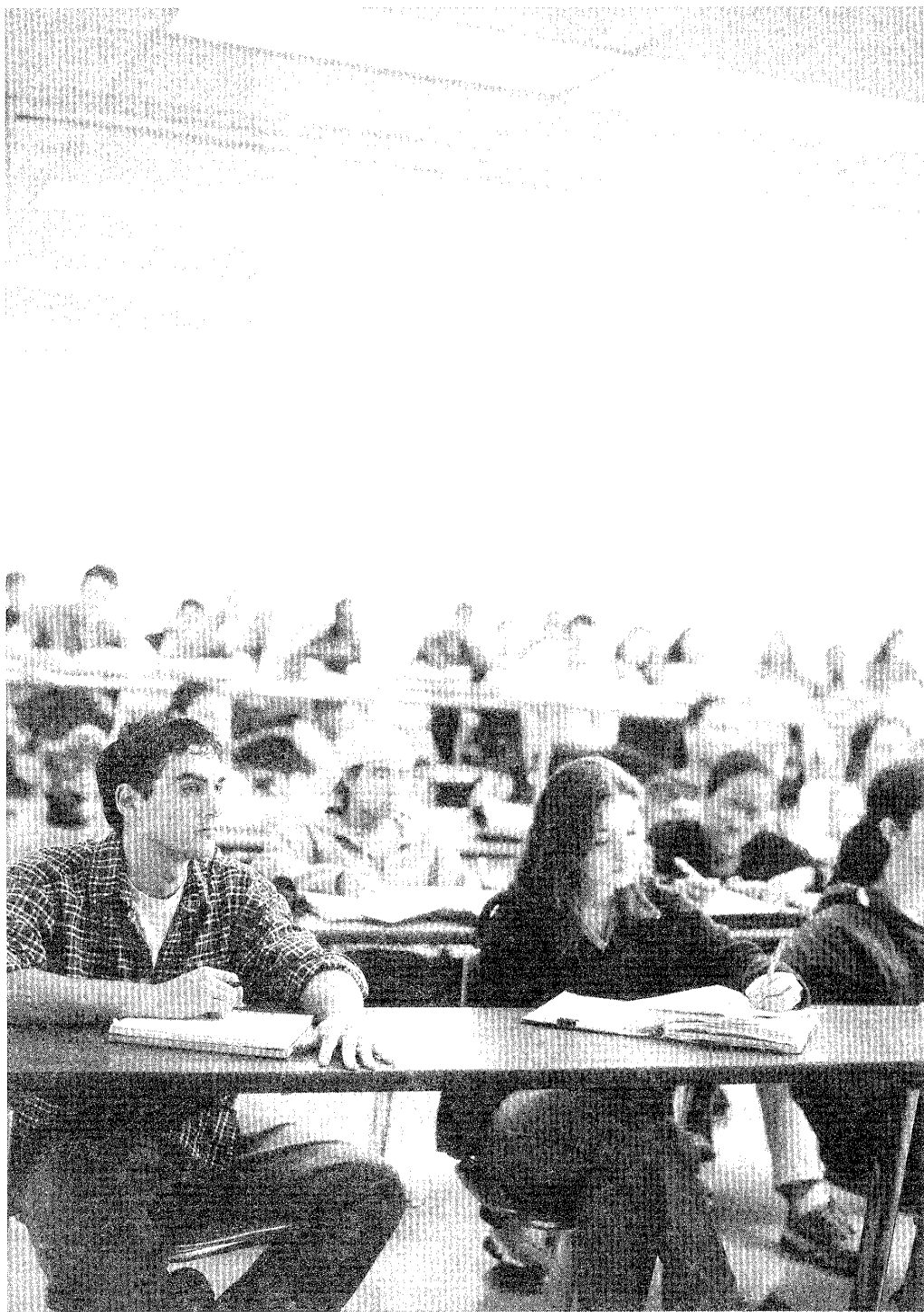
The inventory of all approved degree and certificate programs registered with the New York State educational department is as follows:

Note: Enrollment in a non-approved program may jeopardize a student's eligibility for student aid award.

Program	Hegis Code	Credential
Accounting	0502	B.S.
Airway Science	0599	B.S.
Aviation Administration	0599	B.S.
Aviation Business Studies	0599	B.S.
Biology	0401	B.S.
Biology "7 - 12"	0401.01	B.S.
Biomedical Science	1299	B.S.
Business Education "7 - 12"	0838	B.S.
Chemistry	1905	B.S.
Chemistry "7 - 12"	1905.01	B.S.
Communication Arts	0601	B.A.
Criminal Justice	2105	B.S.
Economics	2204	B.A.
Elementary Education "N - 6"	0802	B.S.
English	1501	B.A.
English "7 - 12"	1501.01	B.A.

French*	1102	B.A.
French "7 - 12"*	1102.01	B.A.
Health Care Management	1202	B.S.
Health Promotion and Science	1201	B.S.
Health Services Administration	1202	B.S.
History	2205	B.A.
Information Technology	0702	B.S.
International Cultural Studies	4903	B.A.
Mathematics	1701	B.S.
Mathematics "7 - 12"	1701.01	B.S.
Medical Technology	1223	B.S.
Nursing	1203.10	B.S.
Philosophy	1509	B.A.
Physical Education "K - 12"	0835	B.S.
Physician Assistant	1299.10	B.S.
Political Science	2207	B.A.
Psychology	2001	B.A.
Religious Studies	1510	B.A.
Radiologic Sciences	1225	B.S.
Social Studies	2201	B.A.
Social Studies "7 - 12"	2201.01	B.A.
Sociology	2208	B.A.
Spanish*	1105	B.A.
Spanish "7 - 12"*	1105.01	B.A.
Special Studies	4901	B.S.
Business Administration	5004	A.A.S.
Criminal Justice	5505	A.A.S.
Liberal Arts	5649	A.A.
Corporate Accounting*	5002	Certificate
Finance*	5003	Certificate
General Business*	5001	Certificate
Health Care Management*	5218	Certificate
Human Resources*	5004	Certificate
Marketing*	5004	Certificate
Paralegal Studies*	5099	Certificate

*Program not currently offered at St. Francis College.



Division of Allied Health & Sciences

Dr. Ellen Glascock, Assistant Divisional Dean

Mission Statement:

Consistent with the mission, goals and objectives of St. Francis College, the Division of Sciences & 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:

Allied Health Department

Biology Department

Chemistry and Physics Department

Mathematics Department

Nursing Department

Pre-Health Professional Programs:

Medical Technology

Radiologic Sciences

Diagnostic Medical Imaging

Physician Assistant

Pre-Occupational Therapy

Pre-Physical Therapy

Pre-medicine, pre-dentistry, pre-podiatry, and pre-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 service 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 freshman year, degree completion may necessitate more than the typical 4 undergraduate years.

Chairman	Professor	Instructor
Donna Claytor	Glascok	Claytor
Professor Emerita	Assistant Professor	Adjuncts
Plonsky	DeMarzo	Bishop, Flynn, Goropeushek, Kramer, Srour

Allied Health

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:

- 1 To demonstrate knowledge, skills and behavior appropriate to entry-level positions in health care organizations.
- 2 To investigate, analyze, and write a well-documented research paper based on a complex health problem.
- 3 Using this, to formulate a comprehensive oral presentation.
- 4 To will, develop, achieve, and sustain a lifelong commitment to personal and professional growth.

Major in Health Care Management [for Health Professionals]

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 which merit Experiential Learning credits. The Bachelor of Science in Health Care Management program allows qualified individuals to apply for this evaluation.

The department offers The Gelfand Medal for health care management majors at each June Commencement. Eligibility information and criteria are available at the department office.

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 301	21
Health Care 101-102; 103; 104; 105; 106; 203; 701; and two health-related Electives	30
Liberal Arts Electives	42

Major in Health Services Administration

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 the M.B.A. Graduate study can enable students to obtain supervisory and department head positions in hospital personnel, admission and business and records departments, and for associate directorships in nursing, ambulatory services, business, and planning.

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 301 and Biology 102	42
SFC 101 [Freshmen Only]	1
Major requirements: Health Care 101-102; 103; 104; 105; 106; 203; 600; 701; Health Science 102; 406; and two health-related Electives	39
Economics 201; 202; 310	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 [B-L]	2
The successful completion of HC 701 satisfies the College's Comprehensive Examination/Thesis requirement	
Total Credits Required	128-129

Major in Health Promotion and Science

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 corporations, 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 placement 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.

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 301, Biology 102, and Religious Studies 205	42
SFC 101 [Freshmen Only]	1
Major requirements: Health Science 102; 150-151; 250-251; 406; 503; 701; and four health promotion-related Electives	36
Information Technology 101	3
Psychology 201	3
Free Electives	42

Health Science 100A or 100B or Physical Education 100 [B-L]	2
The successful completion of HC 701 satisfies the College's Comprehensive Examination/Thesis requirement [see pg. 45].	
Total Credits Required	128-129

Minor in Health Promotion

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 such 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.

Course Sequence	Credits
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
Other relevant electives: Psychology 314; 330; 331, Religion 205; Sociology 301; Biology 100; 102	

Health Care [HC] Courses

HC 101-102 Introduction to American Health Service Delivery I-II [formerly HC 407, HS 208, and HS 501]

An introduction to the pluralistic health system of twentieth-century America: institutions, manpower, consumers, financing, and government. This two-semester foundation course will survey topics covered in higher-level courses, as well as 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; the influences of fiscal intermediaries on health care. HC 101 is Prerequisite to HC 102. 6 credits. HC 101, Fall; HC 102, Spring. Evening.

HC 103 Organization and Management of Health Institutions [formerly HC 401]

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; and comparison of managerial styles. *Prerequisite:* C or better in HC 101-102. 3 credits. Fall. Evening.

HC 104 Legal Issues in Health Care [formerly HC 403]

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. Spring. Evening.

HC 105 Personnel Management in the Health Field [formerly HC 404]

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. Spring. Evening.

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. 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. Evening.

HC 306 Women and Management in the Health Field [formerly HC 450]

A study of the traditional management of health care reveals that while women make up the majority of patients and workers, male administrators and physicians have dominated planning and delivery of services. Women's emergence as administrators, as well as particular problems women face in predominantly male fields, are studied. Empowerment of women as managers and facilitators is the focus of class discussion. **Prerequisite:** HC 103 or BUS 101. 3 credits. Offered as needed. 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. With the approval of the department chairman only. **Prerequisites:** At least 15 credits in Health Care or Health Science with a B average. 3-6 credits per semester. Every semester. Day, 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. Fall, Spring.

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. Every semester. Offered days in Fall and evenings in Spring.

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, evening. *Note: This course does not fulfill the 2-credit core requirement for HCM majors.*

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 2-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, evening.

HS 102 Community Health

An introductory course in community health issues, including basic concepts of "community," 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. Day or 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 and hospitals, and corporations. 3 credits. Fall. 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. 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. Day, 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, evening.

HS 250 Designing Health Promotion Programs

Students are guided through planning and designing a health promotion program in a content area, set-

ting, and population of their own choice.

Prerequisite: HS 151 and at least two Health Promotion electives. 3 credits. Fall. 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. 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, 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, evening.

HS 306 Healing and Wholeness [formerly HC 304]

Explores healing and wholeness from many perspectives. Includes an overview of healing from the traditions of the shaman to contemporary faith healers; an exploration of health care organizations from ancient roots through modern medicine; alternative medicines and holistic therapies, including psychic healing and biofeedback; and ways to self-healing through dream journals and meditation. 3 credits. Offered as needed. Evening.

HS 403 Women's Health Issues

Accurate information about their own health needs will enable women to become more active partici-

pants 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. Offered as needed. Day, 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. Day, 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. Offered as needed. Evening.

HS 503 Internship in Health Promotion

Supervised experience in community setting, giving practical application to previously-studied health promotion strategies. Includes on-campus meetings to discuss problems encountered and progress made in the field. May be taken for two semesters. **Prerequisites:** HS 251 and permission of the department chairman. 6 credits. Every semester. Day.

HS 600, 601 Independent Study in Health Science

Independent investigation into a selected health science topic under the direction of a department facul-

ty member. **Prerequisites:** Approval of the chairman and at least 15 credits in Health Care or Health Science with a B average. 3-6 credits per semester. Every semester. Day, 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 until numbers require separate section. Offered days in Fall and evenings in Spring.

Chairman
Burt Goldberg

Professor
Corrigan

Adjuncts
Condon, Garner, Graffe, Nobel,
Ruder, Zero

Assistant Professors
Goldberg, Nolan, Perper

Biology

The Biology Department prepares students to excel in the Biological, Chemical and Mathematical Sciences. The thrust is not only to teach students the classic Biology for a firm foundation in biological principals, but also to introduce student to the Molecular Biology and Molecular Cell Biology that are current and future areas of study in biology and medicine. This is done so that students may take advantage of the widest possibilities of choice for graduate education following their undergraduate studies at St. Francis College.

Goals and Objectives:

- 1 To acquaint non-science students with the issues presented by both human biology and the physical environment.
- 2 To prepare future teachers and nurses with a solid background in modern biology.
- 3 To give physical education majors a firm foundation in anatomy and physiology.
- 4 To prepare Biology majors for the competitive world of doctoral-level sciences.

The Biology Department offers majors in biology, bio-medical science [Dentistry and Podiatric], medical technology, and radiologic sciences. The major in radiologic sciences and medical technology are offered jointly with the St. Vincent's Catholic Medical Centers of New York; St. Francis awards the B.S. degree. In conjunction with the State University of New York Downstate Medical Center, programs leading to B.S. degrees in the fields of diagnostic medical imaging are offered; the degree is awarded by SUNY. All programs are supervised by the St. Francis College Biology Department.

Major in Biology

The major in biology prepares the student for admission to graduate and professional schools [medicine, dentistry, veterinary medicine, podiatry, osteopathy, and optometry].

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 202 and 301	43
SFC 101 [Freshmen Only]	1
Biology 103-104; 303; 310; 503; and 200/300/400/500 level Electives	35-36
Chemistry 111-112; 301-302; and 304	22
Physics 101-102	8
Free Electives*	18
Health Science 100A; Health Science 100B/Physical Education 100A; Physical Education 100 [B-L]	2
The successful completion of BIO 503 satisfies the College's Comprehensive Examination/Thesis requirement	
Total credits required	129-130

Note: All majors are strongly encouraged to become conversant in a foreign language.

Major in Bio-Medical Science [Podiatric Medicine]

In a cooperative effort 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. Normally, this curriculum would be completed in eight rather than seven years.

Course Sequence	Credits
Core curriculum [see pg. 25] including Mathematics 202 and 301	43
Biology 103-104; three of the following: 202; 206; 310; 402	22
Chemistry 111-112; 301-302 and 304	22
Physics 101-102	8
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Cooperative Training; New York College of Podiatric Medicine	33
Total credits required	130

Major in Bio-Medical Science [Dentistry]

In a cooperative effort with the New York University College of Dentistry, the department has a bio-medical science program which 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. Normally, this curriculum would be completed in eight rather than seven 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, take the DAT, and complete Orientation and Introduction to Dentistry Sessions at NYU during each of their three years at St. Francis College.

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 202 and 301	43
Biology 103-104; and three of the following: 202; 206; 310; 402	22
Chemistry 111-112; 301-302; 304	22
Physics 101-102	8
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Cooperative Training; New York University College of Dentistry	33
Total credits required	130

Major in Medical Technology

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. Certificate awarded upon successful completion of program and is eligible to sit on NCA and ASCP.

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 202 and 301	43
Biology 103-104; 301; and 405	19
Chemistry 111-112; 301-302; and 304	22
Physics 101-102	8
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Free Electives	2
Cooperative Hospital Training	32
Total credits required	128

Major in Radiologic Sciences

The program in radiologic sciences is offered jointly with the St. Vincent's Catholic Medical Centers of New York. The B.S. degree, which is awarded by St. Francis College, requires a total of 128 credits, 65 of which are earned at St. Francis.

Course Sequence	Credits
Core curriculum [see pg.25], including Biology 107-108	44
Mathematics Elective	3
Psychology 100	3
Information Technology 101	3
Liberal Arts and Sciences*	9
Health Science 100A or 100B	2
SFC 101 [freshmen only]	1
Total credits required	65
Total radiologic science credits at CMC	63
Total credits required for degree	128

* *Must be chosen from the following: Communications; Economics; English; Fine Arts; Foreign Languages; History; Philosophy; Psychology; Religion; and Sociology.*

Minor in Biology

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

Course Sequence	Credits
Biology 103-104, Chemistry 111-112	18
Choose from: Biology 200-, 300-, 400-level courses	9-11
Total credits required	27-29

Biology [BIO] Courses

BIO 103-104 General Biology I-II

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. 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 lectures, one recitation, and three lab hours per week. 10 credits. Every Year. Day. BIO 103. Fall. BIO 104. Spring.

BIO 107-108 Anatomy and Physiology

An analysis of the relationship between structure and function. Laboratory experiments and dissections are designed to achieve this objective. This course is designed to fulfill program requirements for the nursing, occupational therapy, diagnostic medical imaging programs, and the physical education major. Two lectures, one recitation, and three lab hours per week. 8 credits. Every year. Day.

BIO 107-108A Anatomy and Physiology

This course is for non-biology majors, physical education, nursing and occupational therapy majors. Biology majors, physical therapy majors and physician assistant majors may not take this course for credit. 8 credits. Every year. Day.

BIO 107-108B Anatomy and Physiology

This course is for all biology majors, physical therapy and physicians assistant majors, who may take this for credit. Prerequisites: BIO 103-104 and CHE 111-112 and permission of the chairman. 8 credits. Every year. Day.

BIO 202 Comparative Anatomy

A comparative lecture and laboratory study of the macroscopic anatomy of typical representatives of the classes of vertebrates. Prerequisites: BIO 103-104. Two lectures, one recitation, and three lab hours per week. 4 credits. Fall and Spring. 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 103-104 and CHE 111-112. Suggested prerequisites: BIO 202. Two lectures, one recitation, and three lab hours per week. 4 credits. Offered as needed. Day.

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 103-104 and CHE 111-112. Co-requisite: CHE 302. Three lectures, one recitation, and three lab hours per week. 5 credits. Spring. 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 103-104 and CHE 111-112. **Co-requisite:** CHE 302. Two lectures, one recitation, and three lab hours per week. 4 credits. Spring. Day.

BIO 304 Biological Techniques: Instrumentation

The theory and practical application of various analytical procedures and the solution of biological problems by instrumentation. A study of the use of microscopes, centrifuges, pH meters, analytical balances, dialysis techniques, countercurrent distribution application, chromatographic techniques: paper, thin layer, gas and liquid, and spectrophotometry [UV, VIS, and IR]. **Prerequisites:** Departmental approval and BIO 103-104, BIO 310 and CHE 111-112, 301-302. Two lectures, one recitation, and three lab hours per week. Limited enrollment. 4 credits. Offered as needed. Day.

BIO 310 Cell Biology

A study of the form and function of eukaryotic cells. This course studies the cellular biochemical, structural and molecular events in the life of a eukaryotic cell. Laboratory experiments are designed to introduce classical and contemporary methods of cell study. **Prerequisites:** BIO 103-104 and CHE 111-112, CHE 301-302. Two lectures, one recitation, and three lab hours per week. 4 credits. Fall. 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 103-104, BIO 402 and CHE 111-112, CHE 301-302 [or departmental permission]. Three lecture hours per week. 3 credits. Offered as needed. Day.

BIO 405

This course is a study of the cell biology, biochemistry, molecular biology, and histology of the human and mouse immune systems. **Prerequisites:** BIO 103-104, BIO 310 and CHE 111-112, CHE 301-302 and CHE 304. Two lectures, one recitation, and three

lab hours per week. 4 credits. Offered as needed. Day.

RS 117, 118, 119 Medical Imaging [PRE] I, II, III

These courses acquaint students 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. 3 credits. RS 117: 1 credit. Fall. RS 118: 1 credit, Spring. RS 119 1 credit. Fall.

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

A well-designed and developed competency-based clinical education in which the student has an active role in developing his or her skills required to develop 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. 9 credits. RS 125: 2 credits. Fall. RS 126: 3 credits. Spring. RS 127: 4 credits. Fall.

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 mamography 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.

Chairman

Evelyn A. Wolfe

Assistant Professors

Wolfe, Peres

AdjunctsBerge, Graves, Greening, Kreis,
Liddicoat, Pesiri, Regan,
Terebessy**Professors Emeriti**

Burke, Schneider, Quigley

Chemistry and Physics

Within the context of liberal education, the Department provides courses to expose students to the information, knowledge, and methods that 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:

- 1 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.
- 2 To engage in scientific inquiry including critical and logical thinking.
- 3 To instruct the students in correct laboratory procedures and assist them in developing an understanding of modern science and technology using state-of-the-art instrumentation.
- 4 To provide non-science majors with the opportunity to acquire knowledge of materials and technology as explained through the physical sciences.

Major In Chemistry

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 an excellent preparation for medical school and other professional schools, graduate studies, teaching, research, laboratory work, and a variety of other science-related opportunities.

Course Sequence	Credits
Core Curriculum, including Mathematics 202 and 203	45
SFC 101 [Freshmen Only]	1
Health Science 100A Or 100B Or Physical Education 100A or 100 [B-L]	2
Free Electives*	15 -16
Chemistry 111, 112	8
Chemistry 201	4
Chemistry 301, 302	10
Chemistry 401, 402	8
Chemistry 404	4

Chemistry 304	4
Chemistry 501	3
Chemistry 303	3
Physics 101-102	8
Biology 103-104	10
Chemistry 407	4
Total credits in the major	66
Total Credits Required	129-130

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

Major in Chemistry - Concentration in Medicinal Chemistry

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 Health Sciences.

Course Sequence	Credits
Core Curriculum, Including Mathematics 202 and 203 [See Pg. 25]	45
SFC 101 [Freshmen Only]	1
Health Science 100A or 100B or Physical Education 100A Or 100 [B-L]	2
Free Electives*	15 -16
Chemistry 111-112	8
Chemistry 201	4
Chemistry 301-302	10
Chemistry 401-402	8
Chemistry 404	4
Chemistry 304	4
Chemistry 501	3
Chemistry 406	3
Chemistry 407	4
Physics 101-102	8
Biology 103-104	10
Total credits in the major	66
Total credits required	129-130

*All majors are advised to take Biology 310, and to gain computer and/or second language proficiency.

Major In Physician Assistant

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, which is awarded by St. Francis College, requires a total of 142 credits, of which 82 would be in the Liberal Arts and Sciences provided by St. Francis College, and 60 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 and admission to the professional phase at SVCMC is currently limited. It is Recommended that Freshman applicants for the P.A. Program Have:

- 1 A minimum high school average of 85;
- 2 A minimum combined SAT score of 1000;
- 3 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:

- 1 The Candidacy Phase [Year 1]
- 2 The Pre-Professional Phase [Year 2]
- 3 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 During the candidacy Phase [Year 1], in addition to the required course work, the student is expected to complete 30 hours of volunteer or job-related health care experience.

The Pre-Professional Phase 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 [Year 2].

Criteria for admission to the Professional Phase:

- 1 Completion of all first-year required coursework.
- 2 Cumulative GPA of 3.0 or higher as well as a GPA Of 3.0 in required Biology and Chemistry coursework.
- 3 The submission of two recommendations, one of which must be from a health professional.
- 4 The Submission of a written statement describing why the candidate wishes to become a Physician Assistant.
- 5 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.

Professional Phase [St. Vincent's Catholic Medical Centers] 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 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:

- 1 Cumulative GPA of 3.0 or higher as well as a science GPA of 3.0 that includes CHE 111-112 and BIO 107-108.
- 2 Successful meeting of all of the Pre-Professional criteria.

Course Sequence	Credits
Core Curriculum [See pg. 25] including Mathematics 107, 301, and Psychology 201	43
Chemistry 111-112, 312	12
Biology 107-108, 103-104, and 301	23
Health Science 100A or 100B	2
SFC 101	1
PA 101	1
Total Credits Required	82
Total Physician Assistant Credits at SVCMC	60
Total credits required for degree	142

Pre-Professional Physician Assistant Program

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 in the St. Francis College Physician Assistant Program offered jointly with The St. Vincent's Catholic Medical Centers of New York-Brooklyn and Queens Region. 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.

Course Sequence	Credits
Biology 103-104, 301	15
Chemistry 111-112	8
English 103 And Any 200-Level Literature Course	6
Psychology 201	3
Psychology 208 Or 203	3
Psychology 204 Or 209	3
Mathematics 107	4
SFC 101 [freshmen only]	1
Humanities/Social Studies	12
Free Electives**	5
Total Credits Required	60

**For Example, History, Political Science, Economics, Philosophy, Religious Studies, Communication Arts, Foreign Languages, Sociology. **Organic Chemistry Is Strongly Recommended.*

Minor In Chemistry

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

Course Sequence	Credits
Chemistry 111-112	8
Chemistry 301-302	10
Chemistry 350	4
Total Credits Required	22

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 or 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, acidbase, 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

Physio-chemical approach, amino acids, proteins, carbohydrates, lipids, enzymes, intermediate metabolisms, modern techniques for isolation, identification, and determination of bio-chemical significance. **Prerequisite:** CHE 302. Three lecture and four lab hours per week. 4 credits. Spring. 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. Fall. 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 Electro-Chemical equilibrium, acid-base and chemistry. Introduction to instrumental methods of analysis including spectrophotometry, FT-IR, and Chromatography [HPLC, GC-MS, GC]. **Prerequisites:** CHE 302 and PHY 102. Two lecture and five lab hours per week. 4 credits. Fall. Day.

CHE 401-402 Physical Chemistry

Atomic, molecular and crystal structure; thermodynamics; solution properties; chemical kinetics; ElectroChemistry. **Prerequisite:** 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 401 and PHY 102. Two lecture and five lab hours per week. 4 credits. Fall. Day.

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 & 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 Course [PHY]

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. **Prerequisites:** 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 cli-

mate, 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. 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. **Prerequisite:** Honors Student. 3 credits. Offered as needed. Day.

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 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 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 as needed.

The following courses are offered at St. Vincent's Catholic Medical Centers of New York and 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. Session 1.

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 1.

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 Pharmaco-Dynamics. 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 their own values, beliefs, and experiences which they bring to patient care; 2] 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 practicums 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 practicums 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, 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

ing 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 15 Clinical Nutrition

Examines the important role of nutrition with regard to the quality of life and in the prevention and treatment of disease. Topics include the nutritional requirements of a healthy patient as well as the special considerations when diseases of various organ systems are present, nutritional demands of the surgical and obstetrical patient, and nutritional requirements from infancy into adulthood. Spring.

PAC 16 Pharmacology II

This course covers the mechanism of action, pharmacodynamics, pharmacokinetics, 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, orthopaedics, 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 which 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, team work and consultation, and follow-up. Summer session I.

PAC 19 Community Medicine

This course focuses on the health and wellness of individuals throughout their life-span. The three elements of primary prevention health-promotion, disease prevention, and health protection, are covered. This course overviews the methodology for interpreting the medical literature and applying these concepts to clinical problems. Every 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 which are potentially life-threatening and require urgent intervention and, when necessary, ensure that the patient obtains emergency treatment.

PAC 55 Family Practice 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 Family Practice 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 Orthopaedics

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 orthopaedic problems. Under the supervision of a preceptor, the student will progressively assume responsibility to provide adult and pediatric orthopaedic 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.

Chairman	Professor	Instructor
Mahmood Pournazari	Guaraldo	Gaynor
Professor Emeritus	Assistant Professors	Adjuncts
Andres	Pournazari, Palogiannis	Brewster, DiClementi, Jones, Kohler, Schaefer, Socci, Wat

Mathematics

The Mathematics Department's goal is to give the students an understanding of the mathematics field. Consistent with the goals of St. Francis College, the Mathematics Department seeks to prepare students with a sound foundation in the liberal arts and with the background to succeed in graduate and professional schools, as well as in careers in the science field. Mathematics is the most vital and lively subject in a college curriculum.

Goals and Objectives:

- 1 To introduce the Mathematics major to the fundamental areas of mathematics, train the student in analytic thinking, and provide familiarity with rigorous methods of mathematical proof.
- 2 To provide a range of choices: Mathematics Major for careers in business, industry, government and research, Mathematics major in conjunction with educational certification, and the Mathematics minor.

Major in Mathematics

Course Sequence	Credits
Core curriculum [see pg. 25], including 8 credits in Physics	44
Foreign Language,* or Information Technology	6
Mathematics 202; 203; 304; 401; 403; 404; 409; 412; 415; and 300/400-level Electives [excluding Mathematics 301]	39
Electives	37
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Total credits required	128

**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

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 a knowledge of some higher mathematics is necessary for successful study in these fields.

Course Sequence	Credits
Mathematics 202, 203, and 304	12
Two from: Mathematics 309, 401, 403, 406, 408, 409, 412, and 415	6
Total credits required	18

Mathematics [MAT] Courses

Students wishing to major in Biology, Mathematics, or Mathematics Teaching [secondary school] 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 are required to 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. 0 credits. Every semester. Day, 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. 0 credits. Every semester. Day, evening.

MAT 103 Foundations of Mathematics I

Investigation of mathematical patterns and problem solving; logic and sets, prime and composite numbers, number bases, and mathematical systems such as modulo arithmetic. **Prerequisite:** Placement by examination or MAT 050. 3 credits. Every semester. Day.

MAT 104 Foundations of Mathematics II

An introduction to real and rational numbers, basic concepts in algebra, graphs, and geometry; counting methods, probability, and statistics. **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, 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. **Special Requirement:** Students must purchase a graphing calculator. 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. Day, evening. Spring. 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 mathematics of finance. **Prerequisite:** MAT 109. 3 credits. Spring. Day, evening. Fall. Day.

MAT 202 Calculus I

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

MAT 203 Calculus II

Applications of integration, logarithmic, exponential, and trigonometric functions. Methods of integration by partial fractions, trigonometric substitution, conic sections, rotation of axes and the general second degree equation, polar coordinates, improper integrals, and l'Hôpital's rules. **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 050. 3 credits. Every semester. Day, evening.

MAT 304 Calculus III

Vectors and vector functions. Functions of several variables. Double and triple integrals with applications. Sequences and infinite series. **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, 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 lemma and well ordering axiom. **Prerequisite:** MAT 203. 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. Every Fall. 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; nested intervals; continuous functions; point sets, 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. Day.

MAT 404 Advanced Calculus II

Transformations and mappings; point set theory; uniform continuity and fundamental theorems of contin-

uous 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. Day.

MAT 406 Theory of Numbers

An introductory course dealing mainly with divisibility, number theorems, theory and congruences, quadratic residues, and Diophantine equations. **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; isomorphism; the field of real numbers and the field of complex numbers. **Prerequisite:** MAT 304. 3 credits. Spring. Day.

MAT 410 Functions of a Complex Variable

Point set theory; algebra of complex numbers; complex analysis; Cauchy-Riemann partial differential equations; Cauchy-Goursat theorem; conformal maps. **Prerequisite:** MAT 304. 3 credits. Offered as needed. Day.

MAT 411 Real Variables

The real numbers and the concepts of limit sequence and series: functions of one real variable, continuity, derivative integrals. **Prerequisite:** MAT 403. 3 credits. Offered as needed. Day.

MAT 412 Linear Algebra

Vector spaces; basis; dimensions; systems of linear equation; matrices and determinants; scalar product; orthogonality and eigen-values. **Prerequisite:** MAT 203. 4 credits. Fall. Day.

MAT 414 Topology Set Theory

Definition of topology and topological space; homeomorphism and homomorphic spaces; compactness and connectedness; separation axioms; metric spaces and completion of a metric space. **Prerequisite:** MAT 403. 3 credits. Offered as needed. Day.

MAT 415 Mathematical Statistics I

Discrete and continuous random variables and their probability distributions. Multivariate probability distributions. Functions of random variables. Limit theorems and estimation. This course is recommended for students interested in an actuarial career. **Prerequisite:** MAT 304. 3 credits. Fall. Day.

MAT 416 Mathematical Statistics II

Methods of estimation and hypothesis testing. Linear models and estimation by least squares. The analysis of variance and enumerative data. **Prerequisite:** MAT 415. 3 credits. Offered as needed. Day.

Pre-Health Professional Programs

Pre-Health Professional Programs include preparation for students interested in professional schools including medicine, dentistry, podiatry, and veterinary medicine, as well as for allied programs including medical technology, radiologic sciences, physician assistant, diagnostic medical imaging and for entry into Masters levels programs in occupational therapy, physical therapy, and midwifery. The major (degree) depends on which specific program is selected [see catalogue descriptions].

Basic Requirements:

Students are advised that these programs do not require them to major in Biology or Chemistry, but they do require 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 application to specific programs. For this reason, required courses should be started in the Freshman year, and the sequence followed carefully. Regardless of academic major, most health professional schools require one year of:

- General biology
- General chemistry
- Organic chemistry
- General physics
- Biochemistry
- Comparative Anatomy with laboratory
- College mathematics
- English composition at the college level

It is strongly recommended that students in medicine or dentistry take at least three of the following courses:

- Histology with laboratory
- Anatomy & Physiology [major level]
- Cell Biology
- Microbiology
- Genetics

Students should be aware that Advanced Placement courses from high school [or “A” Levels] 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 Professional Programs are highly competitive, students are well advised to plan alternative pathways. For instance, one's grades may not meet 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 study. Advisement: The Admissions Office designates entering students, both freshmen and transfer students interested in any of the Pre-Health Professional Programs listed in the St. Francis Catalogue as PHP [Pre-Health Professionals]. As soon as possible, the student must consult the office of the Assistant Dean of Sciences & Allied Health regarding an appropriate major. All students must declare a suitable major by the end of the third 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 a PHP advisor before selecting their major. Students should begin taking the required pro-

grams 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 [in the office of the Assistant Dean] and from affiliated institutions.

The newly established Pre-Health Professions Advisory Committee [PHPAC] is available to assist students in preparing for admission to a health professions program. Whether interested in medicine, dentistry, podiatry, veterinary medicine, physician assistant, radiologic sciences, medical technology, occupational therapy, physical therapy, diagnostic medical imaging or other health-related field, students should consult the Office of the Assistant Dean for Sciences & Allied Health [Room 102A] upon admission to begin the planning process.

It is important to note that acceptance to the College does not constitute formal admission into any of the majors offered by the College. The PHPAC determines criteria for admission to all pre-health professions programs. 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 the office of the Assistant Dean, and participation in volunteer activities leading to familiarity with the health field.

Chairman
Susan Saladino

Associate Professor
Saladino

Nursing

Mission Statement:

The mission of St. Francis College Department of Nursing is consistent with the 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:

1. Integrate knowledge from bio/psycho/social/spiritual dimensions in caring for individuals, families groups and communities.
2. Apply the nursing process in the delivery of culturally competent nursing care.
3. Apply principles of leadership and management in caring for individuals, families, groups and communities.
4. Demonstrate accountability and responsibility for individual nursing actions.
5. Apply principles of ethics in the decision-making process.
6. Collaborate as a member of a multi-disciplinary health care team.
7. Analyze research findings and technological advances for their applicability to clinical practice.
8. Analyze national and international health policy initiatives for their impact on service, equality, esthetics, freedom, human dignity, justice and health of populations.

Major in Nursing

The nursing major offers a BSN Degree to registered nurse candidates who complete the requirements for a baccalaureate degree. This program requires that students demonstrate knowledge and skills in the liberal arts and sciences that include: mathematics, natural sciences, social sciences, history, civilization, the arts, and basic communication. Students may also receive college credit for proficiency in a foreign language. In addition to nursing courses, students demonstrate proficiency in information technology at a level that is consistent with computer literacy in the field of nursing in the twenty-first century. The course of study is designed for registered nurses. The program prepares graduates for the practice of professional nursing and to pursue graduate study. Program content and experience meet the special needs of the registered nurse by emphasizing leadership, research and community nursing skills. 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. The program may be completed over the course of 5 semesters or approximately one year. Students without sufficient liberal arts courses or those students who wish to attend part-time may take longer.

Program of Study and Transfer Credit

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.

Course Sequence	Credits
Mathematics 301	3
Information Technology 101	3
Nursing credits transferred	30
English Composition 103	3
Religion 205	3
Liberal Arts and Science	55
NUR 321, 322, 323-324, 421-422, 423, 501, 502, 600	28
Medical Informatics IT 250	3
Total credits	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.

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. Corequisite: NUR 324. 4 credits. Fall 2001. 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. Corequisite: NUR 323, 3 credits. Fall, 2001. Evening.

NUR 421 Community/Public Health- Clinical.

This is the clinical component of NUR 322. 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. Corequisite: NUR 422. 4 credits. Spring 2002. 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.

Corequisite: NUR 421. 3 credits. Spring 2002. 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. 3 credits. Spring 2002. Evening.

NUR 501 Nursing Seminar I

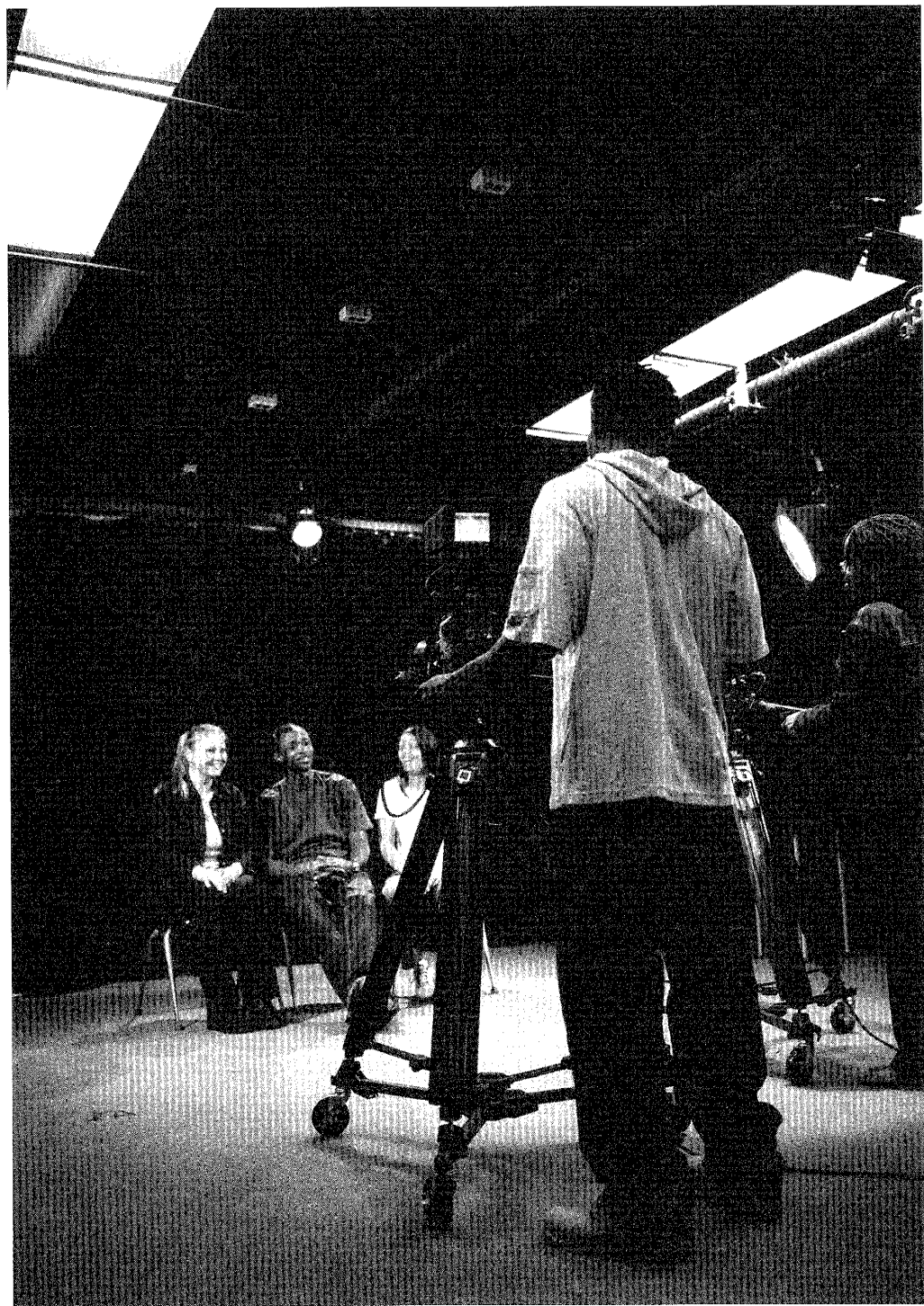
An examination of what it is like to be a nurse in the twenty-first century with special emphasis on those nurses who have become leaders. The course discusses the roles that nurses might assume in the new millennium. 1 credit. Fall 2001. Evening.

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 required. 1 credit. Spring, 2002. 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. **Prerequisite or Corequisite:** MAT 301. 3 credits. Fall 2001. Evening.



Division of Humanities

Dr. Gerald J. Galgan, Assistant Divisional Dean

Mission Statement:

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 within the Humanities lead students toward intellectual, emotional and spiritual development within an atmosphere of serious intellectual pursuit, learning, and scholarship.

Goals and Objectives:

- 1 Promote intellectual growth and curiosity.
- 2 Examine modes of communication, means of expression and ways of thinking.
- 3 Cultivate critical awareness.
- 4 Provide a solid grounding in each discipline within the Humanities.
- 5 Develop an appreciation of human cultures and societies.

Departments:

Communication Arts

English

Foreign Languages, Fine Arts & International Cultural Studies

Philosophy

Religious Studies

Chairman	Professors	Adjuncts
Richard Berleth	Setrakian, Berleth, Jackson	Grant, LeFever, Munroe, Sagona, Sisson
Professor Emerita	Assistant Professor	
Vigliano	Byrd	

Communications Arts

The program aims to contribute significantly to a sound liberal arts education, offering a range of courses in the communication fields of advertising, film and broadcasting, and speech and theater. From these three areas of study, students prepare for careers in the creative and business aspects of advertising, public relations, television and film production, business communications, and such theater arts and crafts as producing, playwriting, directing, and acting. The department curriculum also prepares students for graduate work in these communications disciplines.

The graduation requirement for all majors in Communications includes a mandatory 3 credits of Independent Study, COM 510, to be completed with acceptance of a thesis paper and/or project. All graduating seniors must complete this requirement during their senior year, preferably during their last semester. Senior Independent Study addresses broad, comprehensive areas of communication theory and practice under faculty direction. 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 as now offered to upperclass majors within the department's concentration tracks.

Major in Communications - Concentration in Advertising

Course Sequence	Credits
Core curriculum [see pg. 25]	42
Two from any Foreign Language; Mathematics 301; any IT course above 101	6
Business 101	3
Information Technology 101	3
Marketing 201 and one of the following: 202; 307; 316; or 330	6
Communications 205; 302; 303 or 503; 304; 305 or 306; 307; 308; 309; 310; ; 404; 410; 411; 412; 502; 503; and 510	45
Electives	21
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Total credits required	128

Major in Communications - Concentration in Film and Broadcasting

Course Sequence	Credits
Core curriculum [see pg. 25]	42
English 372; and either ENG 373 or ENG 374	6
Two from any Foreign Language; Mathematics 301; any IT course above 101	6

Communications 205; 302; 303 or 503; 304; 305; 306; 307; 308; 309; 310; 402; 404; 407; 409; 410; 412; 503; and 510	51
Information Technology 101	3
Electives	18
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Total credits required	128

Major in Communications - Concentration in Speech and Theater

Course Sequence	Credits
Core Curriculum [see pg. 25]	42
English 254A; 254B; 372; and 373 or 374	12
Two from any Foreign Language; Mathematics 301; any IT course above 101	6
Communications 205; 302; 303; 304; 305 or 306; 308; 309; 310; 401; 404; 407; 409; 410; 503; 505; and 510	48
Information Technology 101	3
Electives	15
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Total credits required	128

Communications Minor

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

Course Sequence	Credits
Communications 203 and 302	6
Three from Communications 303; 304; 305; 306; 307; 309; 404; 407 or 502	9
Total credits required	15

Communication Arts [COM] Courses

COM 203 Fundamentals of Speech

An introduction to phonetics, basic diction, and the practice of extemporaneous speaking, 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, evening.

COM 205 Voice and Diction

A study of speech production designed to improve voice and diction, and specific speech areas such as proper breathing, voice production, tone, articulation, and foreign accents. The International Phonetic Alphabet is studied and utilized in this course. Strongly recommended for those wishing to eliminate a dialect. 3 credits. Every Semester. Day, evening.

COM 301 Oral Interpretation

Presentation and analysis of selections from prose, poetry, and plays. The objective of the course is to broaden oral communication skills by teaching the student to comprehend and interpret these forms of literature for the purpose of effectively communicating them in oral presentations. Prerequisite: COM 203. 3 credits. Fall. Day, evening.

COM 302 Persuasion

A study of classic and current persuasive theory as applied in 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 by 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. 6 credits. Every Semester. Day, evening.

COM 303 Interpersonal Communications

Introduction to 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, evening.

COM 304 Mass Communications

A survey of the electronic and print media in America, including radio, television, cable, commercial filmmaking, newspapers, and magazines; examining their history, economic functions, and social roles. Current political controversies regarding the media are examined, as is the impact of social and technological change upon the media. 3 credits. Every Semester. Day, evening.

COM 305 History of Film

A survey of 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. Day, evening.

COM 306 Studies in Film

A study of selected topics, filmmakers, and film genres in cinema history, emphasizing the techniques employed which are specific to film and the contribution of film directors, writers, and cinematographers. 3 credits. Spring. Day, evening.

COM 307 Advertising

A survey of advertising techniques and functions, as viewed from the communications perspective. This course stresses copy writing, 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, most significantly advertising's impact on popular thought and culture. Prerequisite: COM 304. 3 credits. Every semester. Day, evening.

COM 308 Television Studio Production.

The study 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. **Prerequisite:** COM 304. Lab fee. 3 credits. Every Semester. Day.

COM 309 Topics in Mass Communication

An advanced course which investigates selected problems and controversies in the contemporary mass media. Topics include censorship and legal issues, the artistic strategies of popular culture forms, and new technologies and opportunities in the electronic media. **Prerequisite:** COM 304. 3 credits. Every Semester. Day, evening.

COM 310 News Writing

This course seeks to introduce students to 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 304. 3 credits. Fall. Day.

COM 401 Basic Film and Video Production

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, evening.

COM 402 Advanced Film and Video Production

An advanced course in 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. Day.

COM 403 Film Criticism

An advanced course in 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 and COM 306. 3 credits. Fall. Day, evening.

COM 404 Acting I

An introduction 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, evening.

COM 405 [Honors] Global Communications: Texts, Theories, and Practice

This course 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

A study of various acting techniques employed in theater, television, and film. Contemporary scenes are video-taped 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. Day, evening.

COM 409 Directing

A study of directing in film, radio, television, and the-

ater. Students direct documentaries, commercials, news features, and special film and television features. Prerequisite: COM 401. 3 credits. Fall. Day.

COM 410 Writing for Performance

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, 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. Day, evening.

COM 492 [Honors] Movie Vision: Fiction and Film in American Cinema

Starting with four Modern American literary masterpieces, this course 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 compatibilities 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

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. Prerequisites: Communications major with junior or senior status and a 3.0 index. 3-6 credits. Offered as students qualify. Day, 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. Every Spring. Day.

COM 502 Public Relations in Modern Media

A course designed specifically for communications majors. Introduction to the 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 and 304. 3 credits. Spring. Day, evening.

COM 503 Small Group Discussion

An examination of 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. Day, evening.

COM 505 Theater Production Workshop

Although open to all students, this 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 cre-

ative 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 Independent Study [Senior Comprehensive]

Required of all communications majors. A study that culminates in an extensive thesis paper reflecting the student's comprehensive knowledge of a track in communications. 3 credits. Offered as students qualify. Day, evening.

COM 600 Field Experience

A student with an overall 3.0 grade average and/or significant accomplishments in the department may be granted permission by the chairman 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. The field experiences must relate to the area of communication in which the student has specialized in the department. The number of credits awarded is determined by the chairman. The student must maintain a comprehensive daily log of work activities and attend a series of seminars during the field experience period. **Prerequisite:** Permission of department chairman. Open only to Communications majors. 3-9 credits. Offered as students qualify. Day.

Chairman

Brother Austin Gill, O.S.F.

Assistant Professors

Gill, Smith, Tague, Wesley

AdjunctsAntinori, Beitchman, Latimer,
Maloney, Marino, Mescall, Quinn**Associate Professor**

Franklin

English

Mission Statement: The English Department seeks to provide students with an education of the highest quality in American and English language, and literature, and writing, integrating breadth with depth, tradition with contemporaneity. The department operates three groups of programs: The Writing Programs, The Core Courses, and Electives in English Language and Literature, The Major and Minor Programs.

Goals:

- 1 To develop in students' writing sound organization of thought, clarity in the structure of sentences and paragraphs, forceful, energetic prose and critical thinking.
- 2 To introduce all students to the study of literature by providing practice in careful, critical reading and developing a sense of the historical development of English literature, an in-depth experience with selected authors and works in English and American literature, a grasp of literary theory and the critical methods employed in the discipline, and the ability to write clearly and effectively.

Graduates with a major in English may elect to pursue graduate studies or to enter careers in teaching, journalism, business, law, science, or any profession which requires a well-rounded, liberally educated person. Since the student majoring in English may take 45 elective credits, he or she may combine this major with career-oriented courses in other areas.

Major in English

Course Sequence	Credits
Core curriculum [see pg. 25], including English 251	42
English 210; 252; 256 or 257, 261; 262; and 499	21
One from English 371; 372; 373; and 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; or 450D	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Information Technology 100 or 101	1-3
Liberal Arts Elective	18
Free Electives	27-29
The satisfactory completion of ENG 499 satisfies the College's Comprehensive Examination/Thesis requirement.	
Total credits required	126-130

Students wishing to major in English should take English 103: Writing for College and Career, and then enroll in English 210: Critical Writing and Analysis, as early as possible before moving to the British and American Literary Surveys. The course sequence for the English major follows the numbering of courses and so prospective majors are advised to complete the 200 level requirements before moving to 300 level courses.

linor in English

English minor 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.

Course Sequence	Credits
English 103; 210; 251; 252; 253; and 254A or 254B	18
Elective from English 352; 353; 354; 355	3
Total credits required	21

nglish [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.] 3 credits. Every semester. Day, evening.

Note: *ENG 101 is not open to students who have completed ENG 103. For students in certain sections of this course, a concurrent tutorial is mandatory.*

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 additional rhetorical modes. 3 credits. Every semester. Day and Evening.

ENG 105 Advanced Composition

A writing-portfolio-based course on audience. We will concern ourselves with 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 theses/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. 3 credits. Offered as needed.

ENG 210 Critical Writing and Analysis
[formerly ENG 391]

Instruction and practice in critical and analytical writing centered on literature of various genres. Includes introduction to critical theory. Required of all English majors. Prerequisite: ENG 103. 3 credits. Offered as needed. Day, 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 251 English Survey I

Anglo-Saxon through Renaissance. Major works and authors from the ninth through the sixteenth centuries. Prerequisite: ENG 103. 3 credits. Every Fall. Day. Offered as needed. Evening.

ENG 252 English Survey II

Major works and authors from the eighteenth through the twentieth centuries. Prerequisite: ENG 103. 3 credits. Every Spring. Day. Offered as needed, evening.

ENG 253 English Survey III

Romanticism and modernism. Major authors from the beginning of the nineteenth century to the present. Prerequisite: ENG 103. 3 credits. Every Fall. Day. Offered as needed. Evening.

ENG 254 Shakespeare

A close reading of representative tragedies, comedies, histories, and romances. Prerequisite: ENG 103. 3 credits. Fall. Day. Offered as needed, evening.

ENG 254A Shakespeare I: Tragedy and Romance

Close reading of representative tragedies and comedies. **Prerequisite:** ENG 103. 3 credits. Fall. Day. Offered as needed. Evening.

ENG 254B Shakespeare II: History and Comedy

Close reading of representative histories and romances. **Prerequisite:** ENG 103. 3 credits. Spring. Day. Offered as needed. Evening.

ENG 256 Chaucer

Close reading of the major works of Chaucer, including *The Canterbury Tales* and *Troilus and Criseyde*. **Prerequisite:** ENG. 103. 3 credits. Offered as needed. Day.

ENG 257 Milton

Close reading of the major works of Milton, including *Paradise Lost* and *Areopagitica*. **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. Day. Offered as needed. 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. Day. Offered as needed. Evening.

ENG 352 Nineteenth-Century British Novel

Survey of representative British novels of the nineteenth century. **Prerequisite:** ENG 103. 3 credits. Fall. Day. Offered as needed. Evening.

ENG 353 Twentieth-Century British Novel

Survey of representative British novels of the twentieth century. **Prerequisite:** ENG 103. 3 credits. Spring. Day. Offered as needed. Evening.

ENG 354 Nineteenth-Century American Novel

Survey of representative American novels of the nineteenth century. **Prerequisite:** ENG 103. 3 credits. Fall. Day. Offered as needed. Evening.

ENG 355 Twentieth-Century American Novel

Survey of representative American novels of the twentieth century. **Prerequisite:** ENG 103. 3 credits. Spring. Day. Offered as needed. 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, evening.

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. May be repeated once for credit. **Prerequisite:** ENG 103. 3 credits. Offered as needed. Day, 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. May be repeated once for credit. **Prerequisite:** ENG 103. 3 credits. Offered as needed. Day, evening.

ENG 359 Honors Seminar - Women and Literature

This course will explore the works of Henry James and Edith Wharton particularly in relation to their representation of women. As an interdisciplinary honors seminar, the course will have multiple objectives. The primary objective is to read, think, and write about the works of these two authors. The second objective is to study art and architecture and how James and Wharton used them to develop their themes and women characters. The third objective is to study these writers in the literary and historical context of their time [1870-1935]. **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, evening.

VG 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.

VG 372 American Drama

Major dramas and theatrical landmarks from the eighteenth century to the present. Prerequisite: ENG 103. 3 credits. Spring 2001. Day. Offered as needed. Evening.

VG 373 Continental Drama

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

VG 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. Day, evening.

VG 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.

VG 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.

VG 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. Permission of the Instructor. 3 credits. Offered as needed.

VG 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. 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. Spring 2001. 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. Fall 2001. Day.

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. Day.

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 [1] ENG 450 seminar. 3 credits. Every semester. Day.

ENG 500 Independent Study

The project must be a continuation of work already done in a previous course, or must combine life experience with a literary/linguistic theme. A prospectus, including an extensive annotated bibliography, must be submitted [2 copies] at the time of application. Prerequisites: Junior or Senior status; GPA of 3.0 or better; completion of at least 9 credits [3 courses] in English beyond ENG 103.

**Students wishing to enroll in English 450 A - D must satisfy the prerequisite of having completed 15 credits [5*

Chairman	El-Ayouty	Adjuncts
Francis J. Greene	Professors	Alfonso, Davis, Del Busto,
Professor Emerita	Garcia, Greene	Louzonis, McCabe, Rivero,
Orti	Associate Professor	Youens
Visiting Professor	Forsberg	

Foreign Languages, Fine Arts and International Cultural Studies

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.

Major in International Cultural Studies

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.

Major in International Cultural Studies-Concentration in Latin American and Caribbean Studies

Course Sequence	Credits
Core curriculum [see pg. 25]	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
International Cultural Studies 240; 241; 307; 370; 380; 450; 500; and 501	24
Information Technology 101	3
Economics 304, 201, 202	9
Fine Arts 403	13
ICS 311, 312, 313, 314, 315 15 Electives	18
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2

The satisfactory completion of ICS 501 and a comprehensive examination satisfies the College's Comprehensive Examination/Thesis requirement

Total credits required 138

Major in International Cultural Studies -Concentration in Western European Studies

Course Sequence	Credits
Core curriculum [see pg. 25]	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
International Cultural Studies 240; 241; 306; 380; 450; 500; and 501	21
International Cultural Studies 305/Economics 305; Economics 201, 202	9
Information Technology 101	3
Fine Arts 403; 408; and 409	9
French 405	3
Philosophy 432 or ICS 370	3
ICS 315	3
Electives	21
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-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 International Cultural Studies - Concentration in International Business

Course Sequence	Credits
Core curriculum [see pg. 25]	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 201 and 403;	
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
Electives	23
Health Science 100A or Health Science 100B/Physical Education 100A or Physical Education 100 [B-L]	2
The satisfactory completion of ICS 501 and a comprehensive examination satisfies the College's Comprehensive Examination/Thesis requirements	
Total credits required	128

Minor in International Cultural Studies Credits

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

Course Sequence	Credits
ICS 240-241; ICS 380 and One course from among: ICS 311, 312, 314, 370	
One course from among: FRE 405; FA 409	
One course from among: ICS 315, FA 408, ICS 306	15

Minor in Fine Arts

Course Sequence	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: FA 402; FA 404 or 405; 408; 409; 414; 440 FRE 405 ICS 306	15

Minor in Foreign Languages

A minor in foreign languages [French, Spanish, or Italian] gives the student a set of foreign language skills [speaking, understanding, reading, and writing] which 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

Course Sequence	Credits
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.	
Total credits required	15
<i>A maximum of 6 CLEP credits will be accepted toward the Minor in French.</i>	

Minor in Italian

Course Sequence	Credits
Italian 101-102; 103-104; and Fine Arts 408	
Total credits required	15
<i>A maximum of 6 CLEP credits will be accepted toward the Minor in Italian.</i>	

Minor in Spanish

Course Sequence

Credits

Spanish 101-102; 103-104; 201 or 202. Students with advanced standing in Spanish may substitute more advanced courses from SPA 105 through SPA 419 as offered, 102, 103, or 104 as approved by the department chairman.

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

Total credits required

15

Foreign Language Courses: French [FRE]

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. 3 credits. Prerequisite: FA 402. Spring 2003. Day.

FRE 101-102 Elementary 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. 6 credits. Every year. Day.

FRE 103-104 Intermediate 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 20th century; composition. 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 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 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 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 304 Nineteenth-Century French Literature

A study of the principal authors and literary movements of this period, exclusive of the poets.

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.

tored 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. 3 credits. Every year. Day.

Foreign Language Courses: Italian [ITA]

ITA 101-102 Elementary 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. 6 credits. Fall and Spring. Day.

ITA 103-104 Intermediate 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. 3 credits. **Prerequisite:** ITA 103-104 or 3 years high school Italian. Offered as needed..

Foreign Language Courses: Latin [LAT]

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. 6 credits. Every year. Day

Foreign Language Courses: Spanish [SPA]

SPA 101-102 Elementary 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. 6 credits. Every year. Day, evening.

SPA 103-104 Intermediate 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. Offered as needed.

SPA 115 Conversation in Spanish

A conversation course based on every day topics and on readings from a wide range of literary and non-literary sources. 3 credits. **Prerequisite:** SPA 103-104. Offered as needed.

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. 3 credits. Prerequisite: SPA 103-104. Offered as needed.

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. Offered as needed.

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

Selections from principal Spanish-American writers from the sixteenth century to the present. Prerequisite: SPA 104. 3 credits. Offered as needed.

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. Offered as needed.

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. Offered as needed.

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. Spring. Day.

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. 3 credits. Offered as needed.

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, 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, 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 recordings, films, slides, and concerts. 3 credits. Fall. Day. Spring. Evening.

FA 404, 405 Introduction to Studio Art

The arts are a resource for enlarging student's 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. Fall 2001, Spring 2002. Materials Fee.

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.

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 which 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 2002. 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 2002. 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. 3 credits. Prerequisite: FA 402. 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, which the class will attend together. These live performances, together with a variety of recordings, will provide useful tools for discussion and com-

parison 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 art 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 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. Spring 2001. 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 studies 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. Day.

ICS 241 Peoples 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. Day.

ICS 305/ECO 305 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. 3 credits. Spring 2002. Day. Spring 2003. 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. Spring 2002. 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 which form contemporary Caribbean society, such as the impact of tourism, poverty, emigration, links with America and Europe, problems of ethnic and racial identity, 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. 3 credits. Spring. Day.

ICS 311 Contemporary Latin American Authors

A study of major literary figures of Latin America. Selections from works of writers such as Borges, Rulfo, Cortazar, Vargas Llosa, and Garcia Marquez will be read in relation to the historical and cultural contexts in which they were produced. **Prerequisite:** ICS 240-241. 3 credits. Fall 2001. 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 240-241. 3 credits. Spring 2003. 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 240-241. 3 credits. Spring 2003. 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 240-241. 3 credits. Spring 2002. Day.

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 240-241. 3 credits. Fall 2002. 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. Fall 2001.

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. Spring 2002.

ICS 340 Seminar in International Cultural Studies

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. Offered as needed.

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 communications 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 240-241. 3 credits. Fall 2001.

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 240-241. 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. 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.

Chairman	Professors	Adjuncts
Sophie Berman	Galgan, Macchiarola, Udoff	Auerbach, Bolan, Farley, Gilson,
Professors Emeriti	Assistant Professors	Hurst, Nannery, Perricone
O'Brien, Slade, Langiulli	Berman, Sadlier	

Philosophy

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, and 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 Course Sequence and Prerequisites

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. Courses numbered between 500 and 599 may be taken to fulfill the core requirement in Philosophy at the upper level on condition that the prerequisites for upper-level courses have been met. There are no prerequisites for persons who are not matriculated for a degree at St. Francis College.

Major in Philosophy

Course Sequence	Credits
Core Curriculum [see pg. 25]	33
Philosophy 101 or 114 and 201 or 203	6
327; 333; 403; 404, 431; 432; 441; 442	24
Philosophy Electives	9
History 101 and 102	6
Foreign Language	6
Mathematics or Natural Science*	6
Electives	36
Health Science 100A or Health Science 100B	
Physical Education 100A or Physical Education 100 [B-L]	2
Total credits required	128

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

Minor in Philosophy

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:

Course Sequence	Credits
Two courses from Philosophy 431; 432; 441; or 442	6
Two courses from Philosophy 310; 315; 316; 326; 327; 333; 340; 341; 369; 403; 404; 501 or 502	6
Total credits required	12

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. Fall. Day, evening. Spring. Day.

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. Fall. Day. Spring. Day, 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. Day. Spring. Day, 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. Day, evening. Spring. 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. Prerequisites: PHI 101 or 114; and PHI 201 or 203. 3 credits. Fall 2002 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. Prerequisites: PHI 101 or 114; and PHI 201 or 203. 3 credits. Spring 2002. 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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 credits. Offered as needed

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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 Credits. Offered as needed.

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. **Prerequisites:** PHI 101 or 114; and PHI 201 and 203. 3 credits. Offered as needed.

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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 credits. Offered as needed.

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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 credits. Fall 2001. 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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 credits. Spring 2002. 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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 credits. Spring 2003. 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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 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. Fall 2001. Day.

PHI 369 Seminar in the Philosophical Foundations of Law [Honors Seminar]

Examination of the concepts of law, justice, and morality in major texts by philosophers and legal theorists. **Prerequisites:** Honors student; 6 credits in

philosophy. 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.

Prerequisites: PHI 101 or 114; and PHI 201 or 203. 3 credits. Fall. Day, evening. Spring. 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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 credits. Fall. Day, evening. Spring. Day, evening.

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. **Prerequisites:** PHI 101 or PHI 114; and PHI 201 or PHI 203. 3 credits. Fall 2001. 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. **Prerequisites:** PHI 101 or 114; and PHI 201 or 203. 3 credits. Spring 2002. 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.

Prerequisites: PHI 101 or PHI 114; and PHI 201 or PHI 203. 3 credits. Spring 2002. 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. 3 credits. Spring 2003. Day.

PHI 435 The Philosophical Problem of Christianity

An examination from the perspective of philosophy of the fundamental ideas expressed in Christianity, with particular attention directed to the primary articulations of Christian faith in the Gospels. Such concepts as the following are examined: the idea of Christ, the Man-God: Incarnation and the two natures; the Fatherhood of God; the meaning of faith; grace; providence; death and resurrection; miracle; sin and forgiveness. The Gospels of Matthew, Mark, Luke and John, along with the letters of St. Paul, will be the primary texts for this course; texts by Royce, Santayana, Aquinas, Augustine, Anselm, Pascal, and Hegel will also be read. **Prerequisites:** PHI 101 or PHI 114; and PHI 201 or PHI 203. 3 credits. Fall. Day.

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. Macchiarola, President of the College and Professor in Political Science and Philosophy, and Dr. John Doherty, an attorney in private practice in New York City. **Prerequisites:** PHI 101 or PHI 114; and PHI 201 or PHI 203. 3 credits. Offered as needed.

PHI 354/REL 354 The Holocaust and Forgiveness

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 an informed way, it is necessary to reflect on the evil against which the possibility of forgiveness is to be measured, and on what, if anything, would constitute repentance for such an evil. This course will examine efforts to address these matters with respect to the Holocaust. Among the questions to be considered are: What was the evil of Nazism? Is it possible for Germany to repent of its past? Is forgiveness possible after Auschwitz? 3 credits. Offered as needed.

Chairman	Professors	Adjuncts
K. Priscilla Pedersen	Largo, Udoff	Breiner, Brown, Cosentino,
	Assistant Professor	Hartling, Mosher, Yuskaev
	Pedersen	

Religious Studies

As a liberal arts college, St. Francis is committed to the task of providing its students with the opportunity for a multi-faceted and liberating reflection on human experience. Religion is present in and influences almost every part of human life. In this context, the aims of the Department of Religious Studies are:

Goals and Objectives:

- 1 To enable students to understand and appreciate the religious beliefs and practices of all peoples in cultural and historical perspectives.
- 2 To help enable students to come to a maturity of thinking and living, individually and socially, as persons involved in a pluralistic society.
- 3 To offer the means to a disciplined reflection on the life of religious faith.

The department implements this role in three ways:

- 1 Through the core curriculum course required of all students.
- 2 Through electives open to all students.
- 3 Through the Major and Minor in Religious Studies for those who desire a more concentrated program.

Religious Studies is an excellent preparation not only for graduate work in religious studies, theology or religious ministry, but for graduate studies and professional work in history, literature, philosophy, art and social science as well as political science, international affairs and law. Academic training in religious studies provides the student not only with technically expert knowledge in his or her area of concentration and a broad perspective on cultural diversity, but also the ability to handle concepts, to make critical arguments, and to deal in a sophisticated way with the interpretation of sources and evidence.

Major in Religious Studies

Course Sequence	Credits
Core Curriculum exclusive of Religious Studies	39
REL 101	3
REL 202 or REL 203	3
REL 204 or REL 205	3
Two courses from the following:	
REL 212, REL 245, REL 251, REL 252	6
REL 300 Level, REL 301, REL 400, REL 401	12
Religious Studies Electives	9
Foreign Language: 12 credits or equivalent ability in one language	12
History and Political Science relevant to student's major program	6
International Cultural Studies relevant to student's major program	6

Free electives	27
Health Science 100A or 100B Or Physical Education 100A or 100B	2
Total Credits	128

Minor in Religious Studies

A minor concentration consists of a group of courses amounting to at least 18 credits.

Course Sequence	Credits
Religion 101; 202 or 203; and 204 or 205	9
Any other religion courses	9
Total Credits Required	18

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, Shinto], and the Abrahamic religions [Judaism, Christianity, Islam]. 3 credits. Every semester. Day. Spring 2004. Evening.

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. 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. Day.

REL 204 Contemporary Moral Issues

Study of moral issues which are of current importance and Christian ethics on these issues. Selected topics include the death penalty, questions in medical ethics, race and gender issues, and marriage and the family. Student participation, analysis, and discussion. Prerequisite: Sophomore Standing. 3 credits. Every Semester. Day.

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, surrogate motherhood, in-vitro fertilization and other new reproductive technologies, physician-assisted suicide and euthanasia, transplant and sale of organs, and ethical aspects of genetic research. Allocation of scarce resources and the role and nature of health professions within society as a whole are considered. 3 credits. Fall. 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. Spring 2002. Evening.

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. Every Semester. Day. Spring 2002. Evening.

REL 245 Judaism

An introduction to Judaism taught in historical perspective from the Patriarchal period, through the Exodus, the First and Second Temple periods, the Prophets and the development of Rabbinic Judaism. Attention will be given to recent movements and events including Hasidism, the modern “streams” of Judaism, Zionism, and the Holocaust as well as current issues in Judaism. 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'ai 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. Offered as needed.

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 Santeria, Candomble and Voudoun, as well as African-American Islam and African-American Christianity. Offered as needed.

REL 252 Religions of Asia

An introduction taught in historical perspective of the religions of South Asia and East Asia. These include Hinduism, 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. Offered as needed. Day.

REL 300 Special Topics in Religious Studies

The course studies in depth topics to be announced, including Catholic Theology, Images of Jesus, Religion and Global Issues, Religion in New York, Religious Experience, Religion and Story, and others. 3 credits. Offered as needed. Day.

REL 305 Marriage

A study of the biblical, historical, and contemporary views of marriage in the Christian tradition with application to modern cultural, psychological, and ethical dimensions of human relationships. Consideration will be given to modern challenges to traditional ideas of marriage and the family, as well as to the meaning of divorce and annulments. **Prerequisite:** REL 101 or any 200-level course. 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. **Prerequisites:** PHI 101 or 114 and PHI 201 or 203. 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 in historical context 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. **Prerequisite:** Honors student. 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 judgements? 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. **Prerequisite:** Honors student. 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 non-literate 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. 3 credits per semester. **Prerequisite:** Honors student. Offered as needed. Day.

REL 354/PHI 354 The Holocaust and Forgiveness: Looking in the Abyss: An Honors Seminar

Forgiveness is not a theoretical attitude - it is a decision that one must make. However one ultimately decides, in order to make that 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? **Prerequisite:** Honors student. Offered as needed. Day.

REL 375 Approaches to the Study of Religion

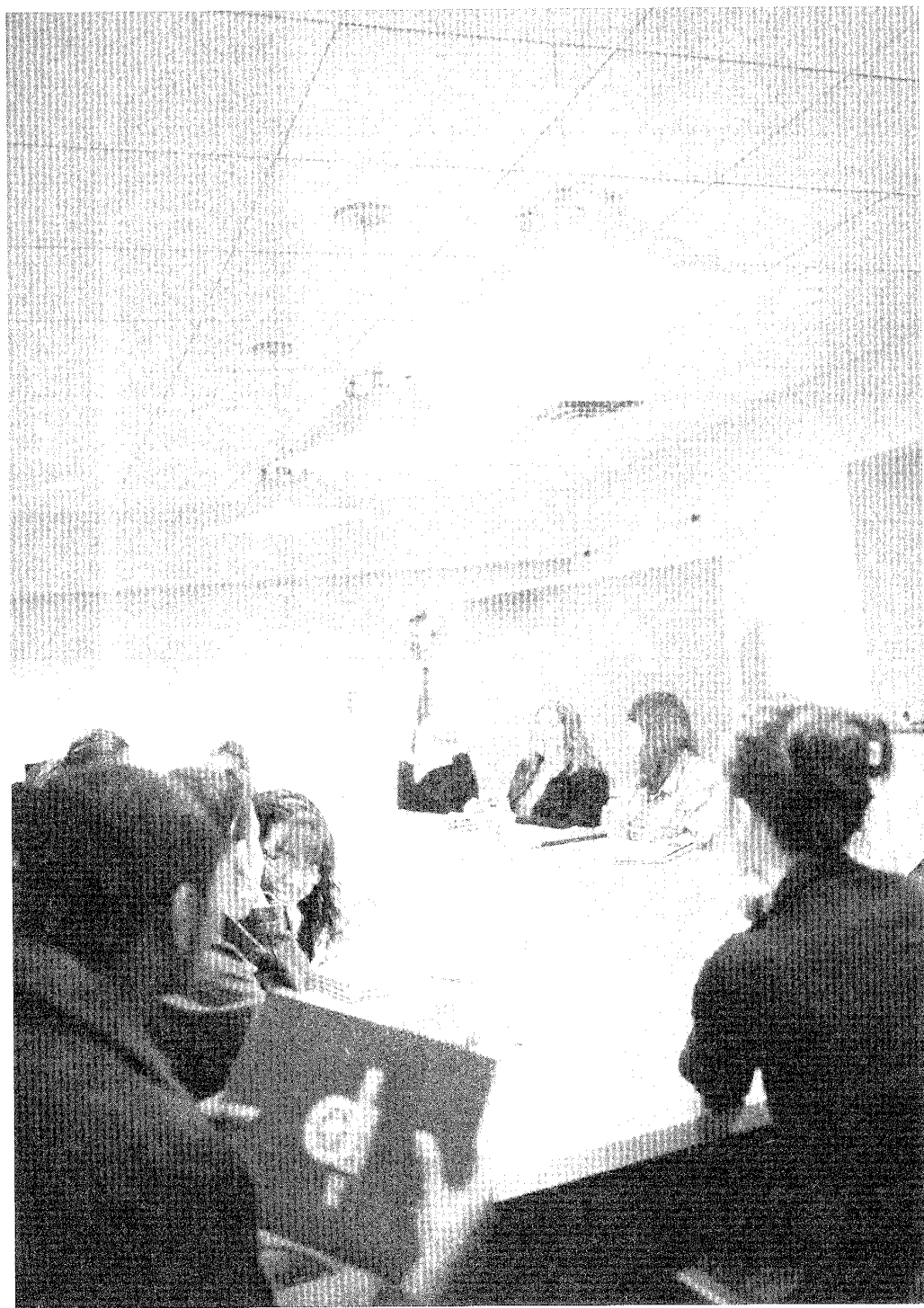
A study of the main methods of the modern study of religion including the history of religions, sociology, psychology and philosophical and theological approaches. The study will be conducted through reading of the writings of major scholars of religion. The course will be taught in seminar format. Offered 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. 3 credits. Offered as needed. Day.



Division of Social Sciences

Dr. Paddy Quick

Assistant Divisional Dean

Mission Statement:

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

History, Political Science & Social Studies

Psychology

Sociology and Criminal Justice

Chairman
Behrouz Tabrizi

Professor
Quick
Assistant Professor
Tabrizi

Adjuncts
Clement, Matthias, Poma

Economics

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, which gives 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.

Major in Economics

Course Sequence	Credits
Core curriculum [see pg.25], including Mathematics 109 and 110	42
A six-credit or eight-credit sequence in Accounting, IT, Management, or International Cultural Studies 240 and 241	6-8
A six-credit sequence in Foreign Languages, History, Political Science, or Sociology; or a combination of one course from PSC 304, 306, or 309 and one course from SOC 301, 312, or 408	6
Information Technology 101	3
Mathematics 301	3
Political Science 404	3
Economics 201; 202; 306; 313; 400; 406	18
Six Economics Electives	18
Free Electives	25-27
Health Science 100A; Health Science 100 B/Physical Education 100A; or Physical Education 100 [B-L]	2
The successful completion of ECO 400 satisfies the College's Comprehensive Examination/Thesis requirement	
Total credits required	128

Note: *Students who receive 8 credits in Accounting will have only 25 free elective credits.*

Major in Economics - Concentration in Finance

Course Sequence	Credits
Core curriculum [see pg. 25], 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 404	3
Economics 201; 202; 306, 313, 400; 406	18
Economics 331/Finance 301	3
Two courses from Economics 332/Finance 302; Economics 333/Finance 312; Economics 334/Finance 534; or Economics 433/Finance 412	6
Any three Economics Electives	9
Free Electives	28
Health Science 100A; Health Science 100B / Physical Education 100A; or Physical Education 100 [B-L]	2
The satisfactory completion of ECO 400 satisfies the College's Comprehensive Examination/Thesis requirement.	
Total credits required	128

Major in Economics - Concentration in International Economics

Course Sequence	Credits
Core curriculum [see pg.25], 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 404	3
Economics 201; 202; 306; 313; 400; 406	18
Economics 304; 403	6
Economics/International Cultural Studies 305	3
Any three Economics Electives	9
Free Electives	30
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
The successful completion of ECO 400 satisfies the College's Comprehensive Examination/Thesis requirement .	
Total credits required	128

Major in Economics - Concentration in Public Policy

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 109 and 110	42
Administration 201 and Business 101	6
Information Technology 101	3
Political Science 304; 306; or 309	3

Political Science 404	3
Sociology 301; 312; or 408	3
Economics 201; 202; 306; 313; 400; 406	18
Three courses from Economics 301; 303; 307; 308; 309; 319; 340	9
Any three Economics Electives	9
Free Electives	30
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
The satisfactory completion of ECO 400 satisfies the College's Comprehensive Examination/Thesis requirement .	
Total credits required	128

Minor in Economics

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.

Management Majors

Course Sequence	Credits
Economics 201; 202; and 306	9
Three Economics courses, with the exception of ECO 331/FIN 301, with the second finance [FIN] course used to fulfill the finance requirement for the management major.	9
Total credits required	18

Accounting Majors

Course Sequence	Credits
Economics 201; 202; and 306	9
Three Economics courses, with the exception of ECO 331/FIN 301	9
Total credits required	18

All Other Majors

Course Sequence	Credits
Economics 201; 202; and 306	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 courses may not be used to satisfy requirements for liberal arts electives in the core curriculum or departmental requirements.

2 The courses may not be used by Accounting and Management majors to satisfy their departments' requirements for elective credits in Economics.

3 Management majors may not use ECO 331/FIN 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 ECO 331/FIN 301, Corporate Finance, to satisfy the requirements for a minor in Economics.

ECO 201 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, evening.

ECO 202 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 201. 3 credits. Every semester. Day, evening.

ECO 302 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 201. Spring 2002. Evening.

ECO 303 Economic Issues Today

An examination of significant economic problems and an application of economic theory to an analysis of their roots and possible solutions. Typical issues include recession, poverty, financial instability, underdevelopment, monopolies, and pollution. 3 Credits. **Prerequisite:** ECO 201. Fall 2002. Day.

ECO 304 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. The course focuses on Latin America and the Caribbean. **Prerequisite:** ECO 201. 3 Credits. Fall 2001. Day. Fall 2002. Evening.

ECO 305/ICS 305 European Economies

A study of the European Union and the "economies in transition" of Eastern Europe. **Prerequisite:** ECO 201. 3 Credits. Spring. Day.

ECO 306 Money and Banking

Money and credit; commercial banking; central banking; monetary theory and practice; financial regulation. **Prerequisite:** ECO 201, MAT 050, or passing grade on math placement test. 3 Credits. Every semester. Day, evening.

ECO 307 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 201 3 Credits. Fall 2001. Day.

ECO 308 Urban Economics

The interaction between private decisions on the location of jobs 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 201. 3 Credits. Spring. Day.

ECO 309 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 which challenge traditional neoclassical analysis of labor market dynamics. **Prerequisite:** ECO 201. 3 Credits. Spring 2002. Day. Spring 2003. Evening.

ECO 310 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 201. Fall 2001. Evening. Fall 2002. Day.

ECO 313 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. **Prerequisite:** MAT 070, ECO 201, MAT 301. 3 Credits. Spring. Day.

ECO 319 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 201. 3 Credits. Spring 2003. Day.

*ECO 331/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. Use of financial ratios, time value of money, and other techniques of financial analysis. **Prerequisite:** MAT 050 or exemption by placement examination; ACC 101 or 150; ECO 201 and either ECO 202 or 306. 3 Credits. Every semester. Day, Evening.

*ECO 332/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 331/FIN 301. 3 Credits. Fall. Evening. Spring. Day.

*ECO 333/FIN 312 Security Analysis [formerly MGT 408]

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 331/FIN 301. 3 Credits. Every Fall. Day. Every Spring. Evening.

ECO 334/FIN 334 Government Finance [formerly ECO 312]

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 201. 3 Credits. Fall 2002. Day.

ECO 340 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 201. 3 Credits. Fall 2001. Day.

ECO 400 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. Prerequisite: ECO 201, 202, 313, 306, and Senior status. 3 Credits. Spring. Day.

ECO 403 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. Prerequisite: ECO 201; ECO 306 and Junior or Senior status only. 3 Credits. Fall 2002. Day.

ECO 406 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. Prerequisite: ECO 201, 202, 306, and Senior status. 3 Credits. Fall. Day.

ECO 411 Concepts in Economic Analysis

An analysis of the most important concepts in the representation of the operation of both the aggregate economy and price theory; general economic concepts; concepts concerned with the macroeconomic framework behavior and policy; concepts involved with market types, value, distribution, employment, cost-benefit analysis, and economic inequality. This course is highly recommended for students who

intend to pursue graduate studies. Prerequisite: ECO 201; 202; 306; Juniors or Seniors only. 3 Credits. Spring 2003 Day.

*ECO 433 / 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 331/FIN 301. 3 Credits. Fall 2001. DAY. Fall 2002. Evening.

ECO 500 Independent Study

Individual research and study with the approval of the Department of Economics. 3 Credits. Every semester, as students qualify. Day.

ECO 600 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.

Chairman
Arnold J. Sparr

Associate Professor
Sennick

Dorinson, Falkin, Gannon,
Houlihan, Humins,
Kroessler, LeVeness,

Professors
Hughes, Sorrentino, Sparr

Adjuncts
Belonzi, Bogart, Calcagno,

Prosterman, Williams

History, Political Science & Social Studies

The study of History, Political Science, or Social Studies inculcates or improves skills such as research, descriptive and analytical writing, and critical reading. The department's course offerings provide an awareness of historical, political and social perspectives, an understanding of chronology, and a capacity to study causation. The department offers majors in History, Political Science and Social Studies, as well as supporting the programs in Teacher Training in Elementary and Secondary Social Studies.

Goals and Objectives:

- 1 To provide courses in History, Political Science and Social Studies as significant components of the liberal arts and the core curriculum.
- 2 To provide students with the preparation necessary for careers in teaching, business, law, government, public administration, and archival and museum work.
- 3 To prepare students with the skills necessary for success in graduate and professional schools, including law school.
- 4 To offer majors, as well as other students on the campus, the opportunity to explore the historical roots of contemporary civilizations.
- 5 To continue to complement course offerings with a full range of off-campus activities, including foreign tours, internships, field trips, museum visits, study abroad, and cultural visits.

Major in History

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 life-long habits of a self-educating person. Successful completion of a senior thesis is a requirement for graduation. 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 an excellent preparation for a career in law. In addition to providing experience in logical thinking, History trains students in the research and analytical skills necessary both for law school and legal practice. Graduates who have received their B.A. in History have pursued higher degrees with great frequency.

Course Sequence	Credits
Core curriculum [see pg. 25]	42
SFC 101 [Freshmen Only]	1
Communications 300/400 level Elective	3
Economics 201 and 202	6
Any combination of Foreign Languages; Mathematics 301;	

PSC 450; IT 101, 103, and any other IT course with departmental approval.	12
Mathematics or Science*	6
Political Science 204 or Sociology 404	3
History 202 or 301; 312 or 403 or 404; 400; 401; 402; and 300/400 level Electives	30
Free Electives	24
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
The satisfactory completion of HIS 400 or PSC 400 or SS 400 satisfies the College's Comprehensive Examination/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

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.

Successful completion of a senior thesis is a requirement for graduation. Political Science graduates pursue a variety of careers in both the public and private sectors: teaching, business, government, and public administration. Political Science is excellent preparation for a career in law. In addition to providing experience in logical thinking, Political Science trains students in the research and analytical skills necessary for law school and legal practice.

The Political Science major provides the opportunity to study various areas of public policy, including foreign policy, urban policy, transportation policy, and public administration, one of the major subdivisions of the discipline.

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 courts, constitutional law, and various other areas that are directly related to the legal system.

Course Sequence	Credits
Core curriculum [see pg. 25]	42
SFC 101 [Freshmen Only]	1
Communications 300/400 level Elective	3
Economics 201 and 202	6
Any combination of Foreign Languages; Mathematics 301; PSC 450; IT 101, 103, and any other IT course with departmental approval.	12
History 101; 102; and 402	9
Mathematics or Science*	6
PSC 202; 204; 301; 400; 406; and 300/400 electives	30

Free electives	18
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
The satisfactory completion of HIS 400 or PSC 400 or SS 400 satisfies the College's Comprehensive Examination/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 Social Studies

Social Studies is a major which permits the students to enter into association with four subjects: Economics, History, Political Science and Sociology. Absorption of the main methods, techniques and subject matter of these areas of study gives the student breadth and insight into the areas chosen. The Chairman advises students on the skills, which can be attained from each discipline, and how they build up and relate to each other. This major is linked to Social Studies Teacher Training, although separately administered. Many Social Studies majors take state certification courses as electives to prepare them for teaching in non-public schools and schools outside New York City. Equally, Social Studies majors enter law, government service, banking, and other professions.

A major in Social Studies gives the student the opportunity to study a variety of subjects in the social sciences and to synthesize the material of these subjects in a meaningful way through a cohesive perspective.

Course Sequence	Credits
Core curriculum [see pg. 25]	42
SFC 101 [Freshmen Only]	1
Communications 300/400 level elective	3
Economics 201 and 202	6
History 101; 102; and 202 or 300/400 level Electives	12
Political Science 204 and 304	6
Sociology 301	3
Social Studies 400 and Electives*	23
Free Electives	30
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
The satisfactory completion of HIS 400 or PSC 400 or SS 400 satisfies the College's Comprehensive Examination/Thesis requirement.	
Total credits required	128

*Economics, history, political science, and sociology courses may be selected with the approval of the advisor.

Minors in History and Political Science

These minors provide students with the opportunity to acquire a systematic overview of either history or political science.

Minor in History

Course Sequence	Credits
History 101; 102; 201; and two other History courses	15
Total credits required	15

Minor in Political Science

Course Sequence	Credits
Political Science 202; 204; and three other Political Science courses	15
Total credits required	15

History [HIS] Courses

HIS 101 Survey of Western Civilization [to 1500]

A survey of the principal historical events, forces, and movements from the Dawn of Man to the Reformation; ancient, medieval, and early modern developments. 3 credits. Fall. Day, evening.

HIS 102 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. Day, evening.

HIS 201 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, evening.

HIS 202 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. Prerequisites: HIS 201. 3 credits. Spring. Day.

HIS 301 Medieval History

A survey of the history of the Middle Ages; feudalism, universities, monarchy, the Church, the Hundred Years' War. Prerequisites: HIS 201. 3 credits. Fall. Day.

HIS 303/PSC 312 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. Prerequisites: HIS 201. 3 credits. Every semester. Day.

HIS 305 Latin American History I

A survey of Latin American history from pre-conquest days through the independence movement; relationship of the period to present-day Latin America. 3 credits. Offered as needed.

HIS 306 Latin American History II.

A survey of contemporary Latin America; church-state relationships, land, labor, trade, and culture. 3 credits. Offered as needed.

HIS 307 American Minorities

A survey of the peoples of the North American conti-

ment, with particular emphasis on the United States. 3 credits. Offered as needed.

HIS 308/PSC 310 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. 3 credits. Offered as needed.

HIS 311 A History of the African-American

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. Fall 2001. Day.

HIS 312 Renaissance and Reformation.

Intellectual and religious movements during the transition from the Middle Ages to modern times. 3 credits. Fall. 2001. Day.

HIS 314/PSC 314 Nations of the Modern World

The nations of the world in modern times, offered in nine parts. Each nation is a separate course designated by letter as follows a] France; b] Latin America - Argentina, Brazil, Mexico; c] China; d] Russia; e] Italy; f] England; g] Germany; h] Ireland; j] Greece; k] Spain. 3 credits. Offered as needed.

HIS 330/PSC 330 War, Peace, and Cold War

This course seeks to review, analyze, and evaluate the events surrounding the second World War. The years it covers separate the century as none other can. From the Japanese invasion of China to the end of the Berlin Blockade, the episodes which mark the period are examined from the military, social, economic and political viewpoints. 3 credits. Offered as needed.

HIS 370 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 201. 3 credits. Offered Fall 2001 and as needed.

HIS 400 Historical Seminar

A thesis seminar. Emphasis placed on research and historical criticism. Note: Students register for this course in the Fall semester; however, the course runs through the Spring semester. Registration and payment for the entire course are done in the Fall semester. **Prerequisites:** HIS 201; 202 or 301; 312 or 403 OR 404; 401 and 402. 3 credits. Fall. Day or Evening.

HIS 401 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 201. 3 credits. Fall. Day.

HIS 402 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. 3 credits. **Prerequisite:** HIS 201. Spring. Day.

HIS 403 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 201. 3 credits. Fall. Day.

HIS 404 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 201. 3 credits. Offered as needed.

HIS 406 / PSC 311 Current Problems

An analysis of the major problems of the following world areas: Far East, Africa, Latin America, Middle East; a lecture course conducted by leading figures in academic, political, and diplomatic fields. Offered on a four-year cycle. 3 credits. Spring. Day.

HIS 407 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. 3 credits. Offered as needed.

HIS 409/PSC 409 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 held the office. 3 credits. Offered as needed.

HIS 410 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 201. 3 credits. Spring. Day.

HIS 415/PSC 410 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.

Prerequisites: HIS 201, and PSC 202 or 204. 3 credits. Fall. Day.

HIS 416/PSC 411 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 201, and PSC 202 or 204. 3 credits. Spring. Day.

HIS 420 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's Honors Program only. 3 credits. Offered as needed. Day.

HIS 500 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. 3 credits. Offered as needed.

HIS 501 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 201. 3-6 credits. Offered as needed.

Political Science [PSC] Courses

PSC 202 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.

PSC 204 American National Government

The Constitutional basis, structure, and operations underlying political processes [election, interest representation, political parties]; special attention is given to their role in the economy and social welfare of the nation, along with defense and foreign policy making. 3 credits. Every semester. Day or evening.

PSC 301 Comparative Government

A study of the basic political ideas and institutions of the major foreign powers; the evolution of the principles, methods, and problems of European and American governments. 3 credits. Prerequisite: PSC 202. Fall. Day.

PSC 302 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. 3 credits. Offered as needed.

PSC 303 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. 3 credits. Offered as needed.

PSC 304 State and Local Government

Historical background and constitution-making struc-

tures and operations of both levels with an emphasis on the politics of public administration and services; federalism; federal-state-local intergovernmental relations. 3 credits. Every semester. Day, evening.

PSC 305 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]. 3 credits. Offered as needed.

PSC 306 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 309 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. 3 credits. Offered as needed.

PSC 310/HIS 308 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. 3 credits. Offered as needed.

PSC 311/HIS 406 Current Problems

An analysis of the major problems of the following world areas: Far East, Africa, Latin America, Middle East; a lecture course conducted by leading figures in academic, political, and diplomatic fields. Offered on a four-year cycle. 3 credits. Spring. Day.

PSC 312/HIS 303 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.

PSC 314/HIS 314 Nations of the Modern World

The nations of the world in modern times, offered in nine parts. Each nation is a separate course designated by letter as follows: a) France; b) Latin America - Argentina, Brazil, Mexico; c) China; d) Russia; e) Italy; f) England; g) Germany; h) Ireland; and j) Greece. 3 credits. Day.

PSC 325 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. 3 credits. Offered as needed.

PSC 330/HIS 330 War, Peace, and Cold War

This course seeks to review, analyze, and evaluate the events surrounding the second World War. The years it covers separate the century as none other can. From the Japanese invasion of China to the end of the Berlin Blockade, the episodes which mark the period are examined from the military, social, economic and political viewpoints. 3 credits. Offered as needed.

PSC 340 Culture and Politics of Italy

This course investigates the history, political culture, government structure, economy, and social structure of Italy. 3 credits. Offered as needed.

PSC 350 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. 3 credits. Offered as needed. Day.

PSC 360 The Government and Politics of China

Investigates the political culture, governmental structure, role of ideology, the historical setting, and the foreign policy of China. 3 credits. Offered as needed. Day.

PSC 370 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. 3 credits. Offered as needed.

PSC 400 Political Science Seminar

Each seminar is devoted to a particular theme within which the student selects a senior thesis topic. Seminar meetings are divided between instruction on thesis writing and discussions of assigned reading materials on the seminar theme. Note: Students register for this course in the Fall semester. However, the course runs through the Spring semester. The class meets for two hours per week in the Fall and one hour per week in the Spring. Registration and payment for the entire course are one in the Fall semester. Prerequisites: PSC 202, 204, 301, and 406. 3 credits. Fall.

PSC 404 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. 3 credits. Every semester. Day, evening.

PSC 405 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. 3 credits. Offered as needed.

PSC 406 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 202. 3 credits. Offered as needed.

PSC 407 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. 3 credits. Offered as needed.

PSC 409/HIS 409 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 held the office. 3 credits. Offered as needed.

PSC 410/HIS 415 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. 3 credits. Fall. Day.

PSC 411/HIS 416 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. 3 credits. Spring. Day

PSC 424 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. 3 credits. Offered as needed.

PSC 450 Empirical Research Methods

This course focuses on the conceptual and methodological processes used to test hypotheses, to gather data, to determine proper tests, and to evaluate the results. In addition, the development of research designs, the explanation of elementary statistics, and the utilization of software programs for statistics as a tool for theory testing are emphasized. Open only to Junior and Senior political science majors with permission of chairman. Lab fee. **Prerequisite:** PSC 202 or 204. 3 credits. Offered as needed.

PSC 500 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 202 and 204. 3 credits. Offered as needed.

PSC 501 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 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 202

and 204. 3-6 credits. Offered as needed.

201. 3 credits. Offered as needed.

PSC 504-505 Culture and Politics of Russia and China: An Interdisciplinary Honors Seminar I & II

An interdisciplinary seminar which explores the inter-relationship between culture and politics. It examines Russia's history, ideology, education and creative arts, and their impact on the government and politics of these two societies. For students in the College Honors Program only. 3 credits per semester. Offered as needed.

SS 500 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 201. 3 credits. Offered as needed.

Social Studies [SS] Courses

SS 305 Perspectives on Ethnicity

A lecture series survey course on the subject of American immigration and the ethnic mixture it has produced since 1607. Beginning with the age of discovery, the course will center on immigration and its effects on the development of the United States.

Prerequisite: HIS 201. 3 credits. Fall 2001.

SS 310 Terrorism: The Danger Deepens

A lecture series survey course on the subject of terrorism. It deals with the topic horizontally, touching on relationships among such contemporary groups as Islamic radicals, American militia movements, Shining Path, Tamil, ETA, IRA and Sikh Separatists. It relates these groups to Zealots, Assassins, Thugs, and People's Movements in nineteenth Century Europe. Nuclear, biological and chemical threats are stressed. **Prerequisite:** Junior or Senior status. 3

Credits. Fall 2002.

SS 400 Social Studies Seminar

A thesis seminar. Lectures will focus on a special subject, determined each year by the department chairman. Students may determine the area in which they will write the thesis. Note: Students register for this course in the Fall semester. However, the course runs through the Spring semester. The class meets for two hours per week in the Fall and one hour per week in the Spring. Registration and payment for the entire course are done in the Fall semester.

Prerequisites: HIS 201, PSC 204, SOC 203, ECO

Chairman

Steven A. Anolik

Professors

Anolik, Gielen

Assistant Professors

Hirsch, Lancaster, Goodstein

Adjuncts

Battista, Bourgeois, Gerber, Reid,
Silver, Singh

Psychology

The Psychology Department offers a major in psychology, which combines methodological and theoretical courses with fieldwork and the development of applied skills. Students learn about the origins and foundations of psychology through a diverse array of courses and activities in areas that include statistics, developmental psychology, the psychology of learning, social psychology, history and systems of psychology, experimental psychology, theories of personality, abnormal psychology, seminar in 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:

- 1 Develop in students the knowledge of the scientific foundations in psychology and how research is conducted in the field.
- 2 Require all students to demonstrate their understanding of research by conducting their own experimental study through a thesis project.
- 3 Strengthen students' awareness of careers in psychology through applied courses, including field experience, and through advisement by faculty.
- 4 Provide students with extracurricular activities to enhance their knowledge and appreciation of psychology through club activities, symposiums, and field trips.
- 5 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

The Institute for International and Cross-Cultural Psychology was founded in 1998 and is directed by Dr. Uwe P. Gielen of the Psychology Department. The Institute sponsors research, publications, conferences, and lectures by visiting scholars, and workshops in international and cross-cultural psychology. It is designed to help internationalize the psychology curriculum at St. Francis College.

Major in Psychology

Course Sequence

Core curriculum, including 6 credits of Natural Science

Foreign Language

Mathematics

Credits

42

6

3

Psychology 100; 101; ; 203; 205; 207; 300, 400; 401; 411; 420; 460; and 470	41
Two courses from Psychology 307; 312; 313; and 409	6
Free Electives	28
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
The satisfactory completion of PSY 400 and PSY 401 satisfies the College's Comprehensive Examination/Thesis requirement.	
Total credits required	128

Minor in Psychology

Course Sequence	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. Spring. Fall. Day. Offered evening as needed.

PSY 101 Introduction to Psychological Research

Designed for psychology majors, minors, and undeclared majors 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 as well as 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. 4 credits. Prerequisite: PSY 100. Spring. Fall. Day. Offered evening and summer as needed.

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. Spring. Fall. Day. Offered evening as needed.

PSY 204 Developmental Psychology II: Adulthood and Aging

A study of the adult life cycle covering early, middle, and late adulthood. 3 credits. Spring. 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 100, 101. 3 credits. Spring. 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. Prerequisites: PSY 100, 101. 3 credits. Fall. 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. Enrollment restricted to students in the Nursing Program. 3 credits. Offered day and evening as needed.

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. Spring. Fall. Day. Offered evening as needed.

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 day and evening as needed.

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.

Prerequisites: PSY 100 and PSY 101, Proficiency in MAT 070. Lab fee. 4 credits. Spring. Fall. Day.

PSY 307 Theories of Personality

A comparison of major personality theories with special focus on personality development and personality structure. **Prerequisites:** three psychology courses. 3 credits. Spring. Day. Offered evening as needed.

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. Day.

PSY 313 Group Dynamics

An introduction to group processes. Emphasis is placed upon individual members' psychological functioning. Students engage in classroom activities which demonstrate styles and methods of group interaction. 3 credits. Spring and summer. Day and

evening.

PSY 317 Industrial and Organizational Psychology

Psychological theories, methods, research, and specific applications concerning work behavior are discussed. Topics will 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.

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. 3 credits. Offered Fall and Spring as needed. Day. Evening.

PSY 331/CJ 209B Addictions II

Review of therapeutic techniques for all forms of addictive behavior. **Prerequisite:** PSY 330/CJ 209A. 3 credits. Spring. Evening.

PSY 333/ED 204 The Psychology of the Exceptional Child

Psychological, physiological, emotional, and social characteristics of exceptional children are considered. Procedures for assessment and evaluation, placement, and therapeutic interventions are discussed. 3 credits. Offered as needed.

PSY 352, 353/REL 352, 353 Images of Human Nature in Western, Non-Literate, 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 non-literate, Eastern, and Western cultures. The seminar focuses upon both the 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 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. **Prerequisite:** For students in Honors Program only. 3 credits. Offered day as needed.

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. **Prerequisites:** ICS 240-241 or two psychology courses. 3 credits.

PSY 400 Experimental Psychology I

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 100, 101, 300. Three lecture and two lab hours per week. 4 credits. Fall. Day. Offered in Spring as needed.

PSY 401 Experimental Psychology II

Research techniques applied in the laboratory and in the field. Students choose a major research topic to investigate. They then conduct the research, which includes 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 100, 101, 300, 400. Three lecture and two lab hours per week. 4 credits. Spring. 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, psychological, and sociocultural viewpoints of abnormal behavior. **Prerequisites:** PSY 100, 101, 203. 3 credits. Fall. Day. Spring. 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. **Prerequisites:** four psychology courses. 3 credits. Fall. Day. Offered day and evening 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 day as needed.

PSY 420 Applied Psychology

Supervised experience in selected applied settings, which include schools, hospitals, community clinics, social service agencies, city and federal forensic agencies, and business settings. Open to Junior or Senior psychology majors. Two lecture hours per week. A 100-hour supervised field experience is required. This course cannot be substituted for ED 404. 4 Credits. Fall. Day.

PSY 421, 422 Field Experience in Psychology I, II

Observation and supervised experience within selected applied settings. This course does not satisfy the requirement for supervised student teaching and cannot be substituted for ED 404. **Prerequisite:** PSY 420. 1-4 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. **Prerequisites:** PSY 401 and

approval of the department chairman. 3 Credits. Fall. Day. Spring 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. **Prerequisites:** Four Psychology courses. 3 credits. Spring. Offered other semesters day as needed.

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, 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. Offered other semesters, day and evening as needed.

Chairman

Maureen Ellis-Davis

Assistant Professors

Ellis-Davis, Mathur

Adjuncts

Boian, Capela,
Cavagnetto, Grady,
Ketcham, Kimmel,
Long

Sociology & Criminal Justice

Sociology is a dynamic field of contemporary study which 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 which are necessary for moral citizenship. At the same time, the Sociology curriculum provides an interdisciplinary program with 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.

Major in Sociology

Course Sequence	Credits
Core curriculum [see pg. 25]	42
Economics 201 or 202; and 308	6
Foreign Languages or two courses in Information Technology	6
Mathematics or Science*	6
Political Science 304 or 306	3
Psychology 100 and 312 or 313	6
Sociology 301; 311; 400; 404; 411; and 303A 303B or 308A, 308B	21
Sociology Electives 300 / 600 level	12
Free Electives	24
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-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

Course Sequence	Credits
Core curriculum (see pg. 25)	42
Sociology 301; 308A; 308B; 310; 311; 312 or 313; 318; 400; 402; 404 and 411	33
Economics 308	3
Mathematics or Science	6
Psychology 100 203; 204; and 312 or 313	12
Spanish 101 - 102 or Spanish 115 and 116	6
Information Technology 101	3
Free Electives	21
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
The completion of an acceptable senior thesis satisfies the College's Comprehensive Examination/Thesis requirement .	
Total Credits Required	128

Minor in Sociology

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.

Course Sequence	Credit
Sociology 203; 301; and 311 or 404	9
Two elective courses to be selected in consultation with SociologyDepartment faculty.	6
Total Credits Required	15

Major in Criminal Justice

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; i.e., the strengths and weaknesses of the American criminal justice system. Students who elect to pursue this degree often have vocational goals which 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.

Course Sequence	Credits
Core requirements [see pg 25]	42
Criminal Justice required courses: CJ 200 (SOC 303A), CJ 201, CJ 300, (SOC 303B), CJ 206, CJ 204, (SOC 312), CJ 215, CJ 217, CJ 300	
CJ 301, CJ 302, CJ 400	30
Criminal Justice Electives	12
Sociology 301, 311, 411,	9
Information Technology 101	3
Psychology 100	3
Spanish 101-102 or Spanish 103-104	6
Liberal Arts Electives	9
Free Electives	12
HS 100/PE 100	2
Total Credits Required	128

Associate in Applied Science in Criminal Justice

Course Sequence	Credits
Core curriculum [see pg. 25]	30
Criminal Justice 200 and 201	6
Criminal Justice Electives	9
Political Science 304; 306; or 405	3
Psychology 100 and 312 or 313	6
Sociology 301	3
Free Electives	6
Total Credits Required	63

Students applying for Criminal Justice Associate Degrees must take at least 9 credit hours in Criminal Justice courses at St. Francis College, these to include CJ 200 and CJ 201.

Sociology [SOC] Courses

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 CJ200. 3 Credits. Offered every semester. Day, 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. Fall. Day. Spring. Evening.

SOC 303A/CJ 200 Criminology: The Sociological Approach to The Study of Crime

Causation and to patterns of criminal and delinquent behavior in contemporary society. Prerequisite: SOC 203. 3 Credits. Fall. Day.

SOC 303B/CJ 201 Introduction To Criminal Justice

The study of the structure and functioning of the American system of law enforcement, courts, penal institutions, probation and parole. Prerequisite: SOC 303A/CJ200. 3 Credits. Spring. Day.

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.

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 commu-

nities from Africa and Europe, patterns of race and ethnic relations, forms of cultural expression, the family, and class structures. Another focus is on issues which 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. 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. 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. 6 Credits. Offered alternate years.

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. 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. 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. Day.

SOC 312/CJ 206 Sociology Of Minority

Groups the analysis of interaction among racial, ethnic, and religious groups in the United States; The study of structure, dynamics, and problem aspects. **Prerequisite:** SOC 203. 3 Credits. Fall.

SOC 318/CJ 218 Law And Society

Explores the socio-historical roots of law comparatively. 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. Day.

SOC 319 Conflict Resolution

This seminar course applies theories of conflict resolution to case studies of interpersonal and intergroup 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.

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 203, SOC 311 and SOC 411, Senior status. 3 Credits. Offered 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.

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. 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.

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. 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. 3 Credits. Offered every semester as students qualify. Day.

SOC 600 Internship

Interns are attached to approved organizations which provide exposure to applied sociology. Approval of the department chairman is required. Prerequisite: SOC 203 and SOC 311. 3 Credits. Junior or Senior status. Offered every semester as students qualify. Day.

Criminal Justice [CJ] Courses

CJ 200/SOC 303A Criminology

The sociological approach to the study of crime causation and to patterns of criminal and delinquent behavior in contemporary society. Prerequisite: SOC 203. 3 Credits. Fall. Day

CJ 201/SOC 303B Introduction To Criminal Justice

The study of the structure and functioning of the American system of law enforcement, courts, penal institutions, probation and parole. Prerequisite: CJ 200/SOC 303A. 3 Credits. Spring. Day.

CJ 202 Problems Of Urban Law Enforcement

Role of the law enforcement officer and agency and the limitations and the extent of community cooperation necessary for proper law enforcement. Prerequisite: CJ 201/SOC 303B. 3 Credits. Offered every other Spring.

CJ 204 The Sociology Of Correctional Institutions

Organization and functions of the prison system; role of the corrections officer in the rehabilitative process; modern thought concerning prison reform; recent prison events analyzed and discussed; character of the modern prisoner; prisoner's rights and officer's

rights and duties. Prerequisite: CJ 201/SOC 303B. 3 Credits. Offered every other Spring.

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. 3 Credits. Fall. Day.

CJ 206/SOC 3122 Sociology Of Minority Groups

The analysis of interaction among racial, ethnic, and religious groups in the United States, the study of structure, dynamics, and problem aspects.

Prerequisites: SOC 203 And CJ 201/SOC 303B. 3 Credits. Fall.

CJ 209A/PSY 330 Addictions I

Review of research and theories concerning all forms of addiction, including drug, alcohol, gambling, and sex addictions. Prerequisite: SOC 203. 3 Credits. Fall and Spring. Day, evening.

CJ 209b/Psy 331 Addictions II

Review of therapeutic techniques for all forms of addiction. Outside sources will be used to supplement class materials. Prerequisite: CJ 209A/Psy 330. 3 Credits. Spring. Evening.

CJ 210 Forensic Science

An introduction to the problems and 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/SOC 303B. 3 Credits. Offered every other Spring.

CJ 211 Security and The Private Sector

An introduction to the security field. Overview of school and campus security, housing security, etc. security organizations, policies, and personnel are

explored. Emphasis on creating security awareness, relations with other organizations, and security's place in the corporate structure. **Prerequisite:** CJ 201/SOC 303B. 3 Credits. Offered every other Fall.

CJ 212/AV 355 Aviation Security

Analysis of security and protection with the aviation industry. Course discusses existing and future security programs, systems, and equipment. Industry and corporate protection areas evaluated include building control, industrial espionage, theft and pilferage. Airline passenger screening and protection, aircraft and fixed-base operator security programs are prepared and reviewed. Terrorist and bomb threats, building evacuation, and search procedures are reviewed. Legislation concerning aviation security is covered from both a historical and present requirement viewpoint. **Prerequisite:** CJ 201/SOC 303B. 3 Credits. Spring 2001 Evening.

CJ 213 Organized Crime

Organized crime defined; its history and politics. Investigation and prosecution strategies; criminal defense and sentencing. **Prerequisite:** CJ 201/SOC 303B. 3 Credits. Fall

CJ 214 Juvenile Justice

The study of the nature, prevalence, and causality of juvenile delinquency; of predelinquent and post adjudication intervention; of community treatment and institutionalization. **Prerequisite:** CJ 201/SOC 303B. 3 Credits. Offered every other Fall.

CJ 215 Probation and Parole

The history and legal foundations of probation and parole; supervision; terms and conditions; and the administration and organization of the probation and parole system. **Prerequisite:** CJ 201/SOC 303B. 3 Credits. Day.

CJ 216 White Collar Crime

The study of occupational, corporate, and computer crimes; their history and prevalence; investigation and prosecution strategies. **Prerequisite:** CJ 201/SOC 303B. 3 Credits. Offered as needed.

CJ 217 Rights of the Accused and the Victim

A consideration of the constitutional, statutory and procedural rights of the accused in the matters of lawful arrest, fair trial, and just sentence; and the rights of the victim in the criminal justice structure. **Prerequisite:** CJ 201/SOC 303B. 3 Credits. Offered as needed.

CJ 218/SOC 318 Law And Society

Explores the socio-historical roots of law comparatively. 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. 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:** CJ 201/SOC 303B and SOC 311. 3 Credits. Junior or Senior Status. Offered every semester as students qualify. Day.

CJ 301 Criminal Law

This course provides a survey of the basic elements of criminal law along with an analysis of current legal issues. Particular attention is given to state laws in New York. **Prerequisite:** SOC 303B/CJ 201. 3 Credits. Fall. Day.



Division of Education

Dr. Susan Sardy, Assistant Divisional Dean

Mission Statement:

The Division of Teacher Education prepares teachers committed to the values of freedom, tolerance and respect for diversity, life-long 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.

General Goals of the Teacher Education Program:

The St. Francis Teacher Education Program prepares teachers who are:

- 1 Familiar with the New York State and New York City learning standards, outcomes and high-stakes assessments.
- 2 Familiar with current research and practices, including the use of technology.
- 3 Disposed to be reflective, caring learners who strive for excellence in teaching.
- 4 Committed to continually increasing their knowledge of content and pedagogy.
- 5 Determined to create a classroom environment where learning is a priority and students see themselves as successful, independent learners.
- 6 Effective communicators to learners, parents and peers.
- 7 Advocates for children.

BA in English or Social Studies; NY State Initial Certification: Childhood Education [Grades 1-6]

BS in Mathematics; NY State Initial Certification: Childhood Education [Grades 1 -6]

BA in English or Social Studies; NY State Initial Certification: Adolescence Education [Grades 7 - 12]

BS in Biology, Chemistry or Mathematics; NY State Initial Certification: Adolescence Education [Grades 7- 12]

BS in Physical Education Program; NY State Initial Certification: Special Subject: Physical Education [Grades K - 12]

Note: Due to certification requirements, additional credits beyond 128 are required to complete most programs.

Chairman

Susan Sardy

Professor Emeritus

Healy

Professors

Sardy, Pollack

Assistant Professors

Verna, Grillo Giaquinto

Adjuncts

Caputo, Pettersen, Pollack,
Quigley, Riqueros, Santano,
Terebessy,

Education

Certificate Programs

Candidates accepted into the Teacher Education program may prepare for Initial New York State Certification in Childhood Education [Grades 1 - 6]; Physical Education [Grades K-12] or Secondary Education with a major in Biology, Chemistry, English, Mathematics, or Social Studies [Grades 8-12]. Each program includes three areas of study: [1] general liberal education; [2] academic or subject area major that is planned and monitored by the academic department; and [3] pedagogical studies. The technology-rich program of professional studies incorporates theory, field experience supported pedagogy and a semester of full time, supervised student teaching. Candidates for certification must also 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 Assistant Dean, Chairman or a Department 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.

Admission to Certificate Programs

- 1 A declaration of intent to apply for the certificate program may be submitted after:
 - a Completion of at least 24 college credits with a grade of C or higher;
 - b An earned academic index of at least 2.75;
 - c Completion of ED 201 and ED 202 and all courses in the academic major with a grade of B or higher;
 - d A GPA of 3.0 or higher in academic major courses.
- 2 Formal acceptance into the certificate program requires a satisfactory essay and an oral screening assessment. Please discuss these requirements with an advisor from the Education Department.

Registration

All certificate courses require the approval of the Assistant 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. 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 Division of Teacher Education. Candidates are expected to observe all concentration requirements in the major and in professional studies and are responsible for successful completion of their specified program.

Recommendation for State Certification Students who have successfully completed their approved Teacher Education program with an index of 3.0 or higher in their pedagogical and academic major courses will be recommended for certification by the Division of Teacher Education. To earn this recommendation, candidates must also have passed the three New York State Certification Examinations [listed below] and received certificates of completion in approved courses in:

- 1 Identification and Prevention of Child Abuse,
- 2 Conflict Resolution and Prevention of School Violence [SOC. 319: 30 hours for 2 credits], and
- 3 Identification and Prevention of Substance Abuse.

Program of Elementary Education

INITIAL CERTIFICATE: CHILDHOOD EDUCATION [Grades 1 - 6]

General Requirements for the Childhood Education Certificate

CORE STUDIES: 42-48 CREDITS

- A Societal background: Fine Arts, History, English, Speech, Sociology, Foreign Language, Health Studies, and Religious Studies
- B Scientific background: Mathematics and Science Studies
- C Philosophic background: Logic, Theory of Knowledge, and Moral Philosophy Approved Academic Major completed under the guidance of the major department. Pedagogical Course Sequence completed under the guidance of the Education Department. Successful completion of New York State certification examinations:
 - 1 New York State Liberal Arts and Sciences Test [the LAST]
 - 2 New York State Assessment of Teaching Skills - Written [ATS-W: Elementary]
 - 3 Content Area Specialty Examination: Childhood Education

PEDAGOGICAL COURSE SEQUENCE FOR THE CHILDHOOD EDUCATION CERTIFICATE:

[Grades 1 - 6] ALL ACADEMIC MAJORS

ED 201 [3 credits] and ED 202 [3 credits] These two courses are open to all students at the college and are prerequisites for the professional course sequence. Candidates for 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 to be made after completing ED 201.

Pedagogical Courses	Credits
Prerequisites: ED 201; ED 202	6
ED 303, ED 402	6
ED 410, ED 411	6
ED 412; ED 413; 415; 416; 417; 430	12
ED 203 and/or ED 204; PE 211	5-8
ED 435 or ED 436 or 437	3
Note: All above courses require 5 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.	
ED 403 and 404	9
Total credits	41-44

Note: Satisfactory completion of ED 404 electronic portfolio meets the College's Comprehensive Examination/Thesis requirement.

Childhood Education - English Major

Courses	Credits
Core curriculum including Mathematics 103 and 104 [see pg. 25]	42
Approved English Major*	27
[ENG 252; 253; 254A or 254B; 261; 262; 371 or 372 or 373 or 374; one course from 352, 353, 354 355, 356; one course from 450A, 450B, 450C, or 450D; and 499]	
Psychology 100	3
Sociology	3
Science	6
Health Science 100A; Health Science 100B/Physical Education 100A or Physical Education 100 [B-L]	2
Foreign Language	6
Professional Course Sequence	41-44
Total credits	130-133

*Determined by the English Department.

Childhood Education - Mathematics Major

Courses	Credits
Core curriculum including Physics 101-102 [see pg. 25]	44
Approved Mathematics Major*	30
[MAT 202; 203; 301; 304; 401; 412; 415; and 300/400 Electives]	
Science	6
Psychology 100	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Foreign Language	6
Pedagogical Courses	41-44
Total credits	132-135

*Determined by the Mathematics Department

Childhood Education - Social Studies Major

Courses	Credits
Core curriculum including Mathematics 103 and 104 [see pg. 25]	42
Approved Social Studies Major*	27
ECO 201; 202; HIS 101; 102; 307 or 311; 401;402; 303 or 406; PSC 204	
Geography [Course Under Development]	3
Psychology 100	3
Science	6

Sociology 301	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Foreign Language	6
Pedagogical Courses	41-44
Total credits	133-136

*Determined by the Social Studies/History Department

Program of Secondary Education

Mission Statement

The Secondary Education Program of the Division of Teacher Education prepares secondary school teachers committed to the values of freedom, tolerance and respect for diversity, life-long 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:

The goals of the St. Francis Secondary Level Teacher Education Program are to prepare teachers for Grade 8 - 12 who are:

- 1 Familiar with the New York State Learning Standards and New York City commencement outcomes in their major area.
- 2 Familiar with current research and practices in secondary education and their content area.
- 3 Disposed to be reflective, caring learners who strive for subject mastery and excellence in teaching.
- 4 Models of active, informed citizenship, including life-long learning.
- 5 Committed to continually increasing their knowledge of content and pedagogy.
- 6 Determined to create a classroom environment where learning is a priority.
- 7 Effective communicators to learners, parents and peers.
- 8 Advocates for systems thinking and integrated learning.

General Requirements for INITIAL CERTIFICATE IN ADOLESCENCE EDUCATION:

Biology, Chemistry, English, Mathematics, Social Studies

CORE STUDIES: 42 - 48 Credits

- A Societal background: Fine Arts, History, English, Speech, Sociology, Foreign Language, Health Studies, and Religious Studies
- B Scientific background: Mathematics and Science Studies
- C Philosophic background: Logic, Theory of Knowledge, and Moral Philosophy

Approved Academic Major completed under the guidance of a major advisor. Professional Course Sequence completed under the guidance of the Education Department. Successful completion of three New York State certification examinations:

- 1 New York State Liberal Arts and Sciences Test [the LAST]
- 2 New York State Assessment of Teaching Skills - Written [ATS-W: Secondary]

3 Content Area Specialty Examination: Biology, Chemistry, English, Mathematics or Social Studies Required Pedagogical Courses

INITIAL CERTIFICATE IN ADOLESCENCE EDUCATION: [Grades 8 - 12]

All Academic Majors

ED 201 [3 credits], ED 202 [3 credits] These courses are open to all students. They are prerequisites for any of the courses in the professional sequence. Candidates for certification must earn grades of B or higher in these two courses in order to be considered for admission into the certificate program. Appointments for Written and Oral Examinations are to be made after completing ED 201.

General Pedagogical Courses	Credits
Prerequisites: ED 201 and ED 202	6
ED 303, ED 402	6
ED 301, ED 420, and one from ED 422 -427 [Special Subject]	9
ED 435 or ED 436 or ED 437	3
ED 203 and/or ED 204	3 - 6

Note: All above courses require 5 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.

ED 403 and 404	9
Total credits	30-33

Note: Satisfactory completion of ED 404 satisfies the College's Comprehensive Examination/Thesis requirement.

Secondary Education - Biology Major

Courses	Credits
Core curriculum including Mathematics 202 and 301 [see pg. 25]	44
Approved Biology Major *	46
[BIO 103-104; 303, and 200/300/400 Electives; CHE 111-112; PHY 101-102; SCI 301 and 302]	
Psychology 100	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Foreign Language	6
Professional Course Sequence	30-33
Total credits	131-134

*Determined by the Biology Department

Secondary School Education Curriculum - Chemistry Major

Course Sequence	Credits
Core curriculum including Mathematics 202 and 203 [see pg. 25]	44
Approved Chemistry Major*	46

[CHE 111-112; 201; 301-302; 401; 501; BIO 103-104; PHY 101-102]	
Psychology 100	3
Health Science 100A	2
Foreign Language	6
Pedagogical Courses	30-33
Total credits	131-134

*Determined by the Chemistry Department

Secondary Education - English Major

Courses	Credits
Core curriculum [see pg. 25]	42
Approved English Major*	30
[ENG 252; 253; 254A or 254B; 261; 262; 371 or 372 or 373 or 374; one from 352, 353, 354, 355, 356; and one from 357, 358, 359, 360, 393, 394; and one from 450A, 450B, 450C, 450D; and 499]	
Psychology 100	3
Science or Math**	6
Foreign Language	12
History 401	3
Communications 301	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Pedagogical Courses	30-33
Total credits	131-134

*Determined by the English Department. **If Mathematics is used to satisfy the core curriculum requirement, then Science must be selected or vice versa.

Secondary Education - Mathematics Major

Courses	Credits
Core curriculum including PHY 101-102 [see pg. 25]	44
Approved Mathematics Major*	40
[MAT 202; 203; 304; 309; 401; 412; 415; and 300/400 level electives]	
Psychology 100	3
Foreign Language	6
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Pedagogical Courses	30-33
Total credits	133-136

*Determined by the Mathematics Department

Secondary Education - Social Studies Major

Courses	Credits
Core curriculum [see pg. 25]	42
Social Studies Major*	39
[ECO 201 and 202; HIS 101; 102; 305; 306; 307; 311; 401; and 303 or 406; PSC 204 and one 300/400 level PSC elective; SOC 300/400 level elective]	
Geography	3
Psychology 100	3
Science or Math**	6
Foreign Language	6
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-L]	2
Pedagogical Courses	30-33
<i>*Determined by the Social Studies/History Department</i>	
<i>**If mathematics is used to satisfy the core curriculum requirement, then science must be selected or vice versa.</i>	
Total credits required	131-134

Physical Education: Initial Certificate In Special Subject Physical Education [grades K-12]

Mission Statement:

The Physical Education Program of the Division of Teacher Education prepares teachers for grades K - 12 who are committed to the values of health, fitness, tolerance and respect for diversity, life- long learning and service in the Franciscan tradition. A liberal arts core curriculum and a strong knowledge of theory and physiology are the foundations on which the pedagogical studies rest.

Goals:

The goals of the St. Francis Physical Education Program are to prepare teachers who are:

1. Familiar with the New York State Learning Standards and New York City Commencement outcomes in Physical Education.
2. Familiar with current research and practices in Physical Education.
3. Disposed to be reflective, caring learners who strive for excellence in teaching.
4. Models of health and fitness and active, informed citizens including life-long learning.
5. Committed to continually increasing their knowledge of content and pedagogy.
6. Determined to create a classroom environment where health, fitness and good sportsmanship is a priority.
7. Effective communicators to learners, parents and peers.
8. Advocates for health, fitness, systems thinking and integrated learning.

Physical Education [K-12] Curriculum - Physical Education Major

Course Sequence	Credits
Core curriculum including Biology 107-108 and PSY 100 [see pg. 25]	44
Chemistry 105-106	8
Psychology 100	3
Physical Education [four skills from I to X]; 103; 208; 209; 301; 302; 304; 305; 308; 402; 430 and 450	33
Health Science 206 and 207	6
Foreign Language	6
Information Technology 101	3
Pedagogy Course Sequence including ED 201, ED 202, ED 203; ED 303, and ED 404	21
8 credits from the following: PE 221; 242; 243; 244; 306; 316; 322 and 500	8
Total credits	132

Minors in Physical Education

The nation's goal is to improve physical fitness levels of all individuals, and the need for athletic coaches in educational, as well as community, settings have created many job opportunities. St. Francis College has initiated curricula to prepare students to qualify for these physical education- related positions. Through course work and field experience in a selected area within physical education, students will be provided with the knowledge and skills required to function effectively. By selecting one of the following minors in physical education, the student may enhance studies in business, industry, the arts, or education.

Exercise and Fitness Specialist

Course Sequence	Credits
Biology 107-108 and CHE 105 12	6
HS 206 and 207	6
PSY 100	3
Physical Education 208; 209; 221; 305; 316; 450 and PE 100A	18
Total credits	39

Athletic Coaching Specialist

Course Sequence	Credits
Biology 107-108 and Chem 105	12
HS 206 and 207	6
PSY 100	3
Physical Education 100A; 243; 304; 305; 308; 316 and 322	18
Total credits	39

Childhood - Elementary Education Program [ED] Courses

ED 101 Seminar

Preparation of Life Experience Portfolio. Required of students preparing to apply for life experience credits. An explanation of the procedures and instruction in the preparation of the portfolio. Prerequisite:

Matriculation in a Bachelor's degree program. 1 credit. Offered as needed. Evening.

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. Open to all students. 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. 3 credits. Every semester. Day and Evening. Co-requisite: Field Experience: 15 hours.

ED 202 Educational Psychology [formerly listed as ED 302]

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, grade of B or higher in this course is required for admission into the teacher education program. 3 credits. Every semester. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 203 Foundations of Special Education

A survey of the historical development of educational provisions for individuals with special needs, including gifted and talented. Exploration of humanistic, metaphysical, epistemological, ethical, legal, teleological, and etiological principles supporting understanding of special education. This course will fulfill part of the Special Education requirement for NY

State Certification and New York City teaching licenses. 3 credits. Fall. Day, evening. Open to all students. Co-requisite: Field Experience: 15 hours.

ED 204/PSY 333 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. Open to all students. 3 credits. Spring. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 210 Introduction and Overview: Early Childhood Education

A study of theories of child development from infancy through age seven as they apply to traditions of caregiving and instructional practice for young children. Emphasis on contemporary issues in the field of child development. Open to all students. Knowledge of computer applications required. 3 credits. Every Fall. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 303 Effective Teaching Strategies

First course in the professional sequence. Focuses on the learning process and the application of strategies that promote students' active involvement in learning, to address 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. 3 credits. Fall and Spring. Day, evening. Requires permission of department. Co-requisite: Field Experience: 5 hours.

ED 304 Great Books in Education

A study of significant works written on the subject of education. Open to all students. 3 credits. Offered as needed. Day.

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. 3 credits. Fall and Spring. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 403 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. 3 credits. Day.

ED 404E 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. Prerequisite: ED 403. Departmental approval required. 6 credits. Day.

ED 410 [formerly listed as 411A] 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 required. 3 credits. Fall. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 411 [formerly listed as 411E] 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 class-

room. 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 411. 3 credits. Spring. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 412 [formerly listed as 411F] 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 skills, and writing skills in the elementary school. Prerequisites: ED 303 and 402, ENG 103 and one English literature course. On campus 30 hrs. Field experience 10 hrs. 2 credits. Fall. Day, evening. Co-requisite: Field Experience: 10 hours.

ED 413 [formerly listed as 411G] 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. 2 credits. Spring. Day. Co-requisite: Field Experience: 10 hours.

ED 414 [formerly listed as 411H] 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. Co-requisite: Field experience 10 hrs. 2 credits. Fall. Day.

ED 415 [formerly listed as 411] 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. Prerequisites: HIS 201 and SOC 203; ED 201, 303, and 402. Co-requisite: Field Experience: 10 hours. 2 credits. Spring. Day and Evening.

ED 416 [formerly listed as ED411J] Elementary Science Methods

Principles and techniques employed in teaching science in the elementary schools. **Prerequisites:** SCI 301 or SCI 302 and BIO 100 or BIO 102; ED 201, 303, and 402. 2 credits. Fall. Day. **Co-requisite:** Field Experience: 10 hours.

ED 417 [formerly listed as ED411K] Expressive Arts for Children

A study of the use of music, drama and movement in the elementary school classroom. **Prerequisites:** ED 201, 303, and 402. 2 credits. Fall. Day. **Co-requisite:** Field Experience: 10 hours.

ED 4 18 [formerly listed as ED 412] Methods and Materials in Early Childhood Education

A survey of methodology and resources applicable to the teaching of science, mathematics, and language arts in early childhood education. Focus on fostering skills of inquiry, problem-solving, and creative thinking in young children. 3 credits. Offered as needed. Day, evening. **Co-requisite:** Field Experience: 15 hours.

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. **Co-requisite:** Field experience: 10 Hours. 2 credits. Spring. Day, evening [online].

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 hrs. Includes 15 hours of field experience. 3 credits. Offered as needed. **Co-requisite:** Field Experience: 15 hours .

ED 434 School and Society

The role of school in modern society. Inner-city education, language and learning. Status of teachers in the community. The impact of cultural, socio-economic

and institutional changes on curriculum, instruction and assessment. 3 credits. Offered as needed. **Co-requisite:** Field Experience: 15 hours.

ED 435 The Creative Use Of Technology in the Classroom

A study of the creative application of modern technology to classroom practice for novice computer users. Aimed at meeting New York State standards in technology and technology assisted instruction in the elementary, middle and secondary classroom. Includes an introduction to keyboarding, applications software, e-mail and Internet access. A review of instructional software for a PC platform. Exploration of video and audio materials. Lab fee. 3 credits. Fall and Spring. Day, evening. Open to all students. **Co-requisite:** Field Experience: 15 hours.

ED 436 Intermediate Use of Technology in the Classroom

Intermediate software applications and organization of Internet resources. Construction of Web pages and simple Internet-based units of instruction. Importation of visual images and design of simple graphic organizers for instruction. Aimed at meeting and exceeding middle school priorities for use of assistive technology for teaching and learning. Lab fee. Spring. Day, evening. Open to qualified students. Permission of instructor required. **Co-requisite:** Field Experience: 15 hours.

ED 437 [formerly listed as ED 435A] Advanced Use of Technology in the Classroom

Advanced applications software and use of Internet resources. Software analysis and evaluation. Curriculum development incorporating Internet resources. Aimed at meeting and exceeding commencement priorities for use of assistive technology for teaching and learning. Lab fee. 3 credits. Day, evening. Open to all qualified students. Permission of instructor required. **Co-requisite:** Field Experience: 15 hours.

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, evening.

Secondary School 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 and standards-based education. Open to all students. This course is a prerequisite to the professional course sequence in Teacher Education. A grade of B or higher is required for admission to the program. 3 credits. Every semester. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 202 Educational Psychology [formerly listed as ED 302]

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 classroom management. Open to all students. This course is a prerequisite to the professional course sequence in Teacher Education. A grade of B or higher is required for admission to the program. 3 credits. Every semester. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 203 Foundations of Special Education

A survey of the historical development of educational provisions for individuals with special needs, including gifted and talented. Exploration of humanistic, metaphysical, epistemological, ethical, legal, teleological, and etiological principles supporting understanding of special education. This course will meet the Special Education requirement for NY State Certification and New York City teaching licenses. 3 credits. Fall. Day, evening. Open to all students. Co-requisite: Field Experience: 15 hours.

ED 301 General Methods and Strategies in Secondary Education

First course in the professional sequence in secondary education. Requires permission of department. An analysis of methodology and procedures used for

organizing and implementing instruction in grade 7 - 12 classrooms. Focus on adolescent psychology and various aspects of the learning process, including motivation, learning styles, individual needs, and group process. Technology assisted. Prerequisite: Grade of B or higher in ED 201 and ED 202. 3 credits. Fall. Day. Co-requisite: Field Experience: 15 hours.

ED 303 Effective Teaching Strategies

Focuses on diagnostic instruction aimed at meeting the NY State and NY City standards. Focused on process and the application of strategies that foster active involvement and independent learning. Prerequisite: A grade of B or higher in ED 201 and ED 202. 3 credits. Fall and Spring. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 304 Great Books in Education

A study of significant works written on the subject of education. Open to all students. 3 credits. Offered as needed. Day.

ED 402 Assessment and Evaluation

An introduction to statistical methodology, reliability and validity applied to formal and informal assessment techniques in the classroom. Evaluation of high stakes testing programs related to local, state and national curriculum and learning standards. Includes 15 hours of field experience. Prerequisite: A grade of B or higher in ED 201 and ED 202. 3 credits. Fall and Spring. Day, evening. Co-requisite: Field Experience: 15 hours.

ED 403 Extended Field Experience

Taken during first semester of senior year. Two days per week of full-time, supervised field experience in an approved secondary school setting. Requires permission of Department. 3 credits. Day.

ED 404 Supervised Student Teaching in Secondary School

During last semester of senior year, students in the secondary level teacher education program spend a minimum of one term of full-time, supervised instructional experience in an approved secondary school.

Planning, supervision and guidance is provided jointly by the academic department and the Teacher Education Division. Includes a bi-weekly seminar at the College. **Prerequisite:** ED 403. 6 credits. Every semester. Day.

ED 420 [formerly listed as ED 401G] Special Methods of Secondary Reading Instruction

Special methods, aims, and objectives in teaching reading across the curriculum on the secondary level. Developmental and remedial techniques and use of instructional technology. Addresses commencement literacy standards. Includes 15 hours of field experience. Planning, supervision and guidance is provided jointly by the academic department and the Teacher Education Division. **Prerequisites:** ED 301 and ED 302. 3 credits. Spring. Day, evening. Required for all secondary certificate programs. **Co-requisite:** Field Experience: 15 hours.

ED 422 [formerly listed as 401C] Special Methods of Secondary English

Teaching various forms of writing, literature, and spelling at the secondary level; the general aims and purpose of these forms; audio-visual aids, projects, library materials, and bibliographical references for the adolescent; the impact of mass media on the secondary school curriculum. Incorporates instructional technology and addresses commencement standards. Offered in conjunction with the English Department. Planning, supervision and guidance is provided jointly by the academic department and the Teacher Education Division. **Prerequisites:** ED 301 and ED 202 and permission of major department. 3 credits. Spring. Day. **Co-requisite:** Field Experience: 15 hours.

ED 423 [formerly listed as 401E] Special Methods of Secondary Mathematics

The teaching of mathematics in grades 7 through 12; procedures, techniques, and materials; opportunities for student presentations and discussion of diagnostic instruction. Use of instructional technology. Addresses commencement standards. Includes 15 hours of field experience. Offered in conjunction with the Mathematics Department. Planning, supervision and guidance is provided jointly by the academic department and the Teacher Education Division. **Prerequisites:** ED 301 and 202 and permission of

major department. 3 credits. Spring. Day. **Co-requisite:** Field Experience: 15 hours.

ED 425 [formerly listed as 401F] Special Methods of Secondary Social Studies

Specific methods and techniques for the secondary level social studies teacher. Teaching aids, use of library, use of instructional technology, focus on current events, and bibliographical references. Meeting the needs of exceptional, disadvantaged, and average students. Developing units of study and model lessons. Addresses commencement standards. Technology assisted. Offered in conjunction with the History/Social Studies Department. Planning, supervision and guidance is provided jointly by the academic department and the Teacher Education Division. **Prerequisites:** ED 301 and ED 202. **Corequisites:** ED 430: Geography; and Field Experience: 15 hours. 3 credits. Spring. Day.

ED 426 [formerly listed as ED 401H] Special Methods of Secondary Biology

A study of basic principles, classroom practices, and curriculum trends in secondary school Biology. Evaluating, selecting, and preparing materials for teaching Biology. Laboratory methods for individual and group experiments, and the organization of materials for classroom use. Technology assisted. Offered in conjunction with the Biology Department. Planning, supervision and guidance is provided jointly by the academic department and the Teacher Education Division. **Prerequisites:** ED 301 and 302. 3 credits. Spring. Day. **Co-requisite:** Field Experience: 15 hours.

ED 427 Special Methods of Secondary Chemistry.

Study of basic principles, classroom practices, and curriculum trends in secondary school chemistry. Evaluating, selecting, and preparing materials for teaching chemistry. Laboratory methods for individual and group experiments, and the organization of materials for classroom use. Technology assisted. Offered in conjunction with the Chemistry Department. Planning, supervision and guidance is provided jointly by the academic department and the Teacher Education Division. **Prerequisites:** ED 301 and 302. 3 credits. Spring. Day. **Co-requisite:** Field Experience: 15 hours.

ED 500 Independent Study in Education

Independent work in an area of special interest. Special project, report, or term paper. Requires departmental approval. 3 credits. Every semester. Day, evening.

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. 4 hours. 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. 4 hours. Spring. 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. 4 hours. Fall. 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. 4 hours. Fall. 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. 4 hours. Fall. Day.

PE IX Skills Activities

Theory, instruction, and practice in fitness activities;

techniques in aerobic training, weight training, and exercise program development. 2 credits. 4 hours. Spring. 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. 4 hours.

PE 100 Physical Activities and Sports

The following PE 100 courses meet the two-credit physical education/health requirement. These courses are offered on a grade basis.

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. 2 credits. Every semester. Day, evening.

PE 100C Beginning Tennis

Instruction in skills, strategies, and rules of tennis. Not open to PE majors. 2 credits. Spring. Day.

PE 100E Team Sports: Soccer/Volleyball

Instruction in skills, strategies, and rules of soccer and volleyball. Not open to PE majors. 2 credits. Spring. Day.

PE 100F Beginning Swimming

Basic instruction in swimming for non-swimmers. 2 credits. Every semester. Day.

PE 100G Advanced Lifesaving

Students work toward an American Red Cross Advanced Lifesaving Certificate. Final certification requires the payment of an additional fee to the American Red Cross. **Prerequisite:** Advanced swimming ability. 2 credits. Offered as students qualify.

Day.

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 Traditional Japanese Karate

Instruction in the skill of unarmed self-defense. 2 credits. Every semester. Day.

PE 100J Skiing I

Professional instruction in fundamental skills necessary for enjoyment of the sport. Special fee to be announced, to include lessons, lift tickets, equipment rental, and room and board. 1 credit. During January mid-year break.

PE 100K Skiing II

Emphasis on higher level of performance [intermediate, advanced, freestyle, hot-dog, and ballet]. Special fee to be announced, to include lessons, lift tickets, equipment rental, and room and board. 1 credit. During January mid-year break.

PE 100L Intermediate Traditional Japanese Karate

Further instruction in the skill of unarmed self-defense. **Prerequisite:** PE 100I. 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 100N Yoga

Introduction to a variety of yoga theories, positions, movements and practices. Also includes relaxation techniques and methods of stress reduction. 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. Every Fall. 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. 3 credits. 3 hours. Fall. 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. 2 credits. 2 hours. Spring. 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. 4 hours. Spring. Day.

PE 221 Foundations of Recreation, Leisure, and Play

Introduction to concepts of recreation, leisure and play. Historical and cultural perspectives will be discussed. Impact upon quality of life issues and awareness of time considerations to be explored. 3 credits. 3 hours. Fall. Day.

PE 241 Contemporary Issues in Sport

Various topics to be addressed which are current and have an impact upon teaching physical education, coaching, competing, training and viewing sports and athletic events. 2 credits. 2 hours. Spring. Day.

PE 242 Women in Sport

A historical, cultural, psychological, social, and contemporary view of women and their relationship with sports and athletics. 2 credits. 2 hours. Fall. Day.

PE 243 Ethics in Sport and Physical Education

Selected situations in sport and physical education are to be explored from ethical and moral perspectives. 2 credits. 2 hours. Fall. 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. Day.

PE 301 History and Principles of Physical Education

Orientation to the history and principles of physical education; current trends and problems in physical education analyzed and evaluated. 2 credits. 2 hours. Spring. 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. 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.

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 2000. Day.

PE 306 Advanced Exercise Physiology

More in-depth study of the physiological effects of exercise and work on the human body. Topics include environmental influence on exercise performance, neuromuscular adaptations, exercising across the lifespan, gender differences, and special populations. **Prerequisite:** PE 305. 3 credits. Fall and Spring. Day.

PE 308 Motor Learning

An introduction to the concepts, principles, and theories of movement and motor learning. 3 credits. 3 hours. Spring 2000. Day.

PE 309 Movement Experience and Games of Low Organization in Special Education

Techniques and methods in conducting games of low organization; theory and practice in rhythmic activities and movement education for the exceptional child. On campus 45 hrs. Field-centered experience peer teaching. Not open to PE majors. 3 credits. Offered as students qualify.

PE 310 Movement Perspectives for Special Children

Knowledge and application, with specific reference to the special child, of professional and theoretical literature focusing on selected concepts from motor learning, kinesiology, and psychology. Not open to PE majors. 3 credits. 3 hours. Offered as students qualify. 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. Orientation of personality tests employed in the field; the effects of behavior on athletic performance. 3 credits. Spring. 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. Day.

PE 350 SFC Fitness Center Internship

Practical, hands-on experience working in the SFC Fitness Center. Duties include monitoring the exercise floor, assisting people using the equipment, facility maintenance, data collection, and facility operations. Must have or be willing to obtain CPR/First Aid Certification. Prerequisite: Departmental permission required. PE majors preferred. 2 credits. Fall and Spring. 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. Fall and Spring. 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. Day.

PE 403 Field Experience in Physical Education [Formerly PE 450]

Observation and supervised experience of at least 100 hours in an area of the student's expressed professional interest. Prerequisites: Junior or Senior status. Departmental approval required. 2 credits. 6 hours. 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.

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. 2 credits. Every semester. Day.



Division of Management Science

John F. Flanagan, Assistant Divisional Dean

Mission Statement:

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. The Division prepares students for the B.S. Degree in:

Accounting

Aviation Management

Information Technology

Management

Within these areas, students can select Minors, Associate Degrees and Concentrations. Particulars of these opportunities are presented in the respective sections.

Chairman
Geoffrey R. Horlick

Professors
Horlick, Yellin

Adjuncts
Celano, DePaola, Gatto, Stoopler,
Vento

Professors Emeriti
Diamond, Savage

Assistant Professor
Belmonte

Accounting

To provide an Accounting foundation for all Management majors and to provide Accounting majors with appropriate skills, knowledge and abilities to become successful Accounting professionals.

A major in accounting prepares the student for a career in public accounting, private accounting [corporate], or not-for-profit accounting (government agencies, foundations and associations, hospitals, religious organizations, arts groups, etc.). 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 providing a guided practical experience in corporate, public and not-for-profit accounting are occasionally available to selected students. Graduates of the accounting program of St. Francis College have been employed by a broad range of CPA firms, banks, brokerage houses, manufacturing firms, retail establishments, governmental agencies, and not-for-profit groups.

Major in Accounting

Course Sequence	Credits
Core curriculum [see pg. 25], including Mathematics 109; 110	42
SFC 101 [Freshmen Only]	1
Accounting 101; 102; 201; 202; 303; 305; 401; 404; 405; 406	34
Business Law 201; 202	6
Economics 201; 202; 306	9
Two from the following:	
Economics, any course	
History 303; 307; 370; 406; 410; 412; 415; 416	
Political Science 204; 309; 404; 406; 410; 411	
Psychology 100; 312; 313; 317	
International Cultural Studies 240; 241; 307	6
Business 101; 490	6
Information Technology 101	3
Finance 301	3
Marketing 201	3
ORM 308	3
Mathematics 301	3
Free Electives	3
Liberal Arts Electives	6
Health Science 100A; Health Science 100B/Physical	

Education 100A; or Physical Education 100 [B-L]	2
The satisfactory completion of ACC 404 satisfies the College's Comprehensive Examination/Thesis requirement .	
Total Credits Required	130

Minor in Corporate Accounting

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.

For Liberal Arts majors:

Course Sequence	Credits
Accounting 101; 102; 211; 405	14
Information Technology 101	3
Total Credits Required	17

For management majors

Course Sequence	Credits
All above courses	17
Accounting 409 or Accounting 305	3
Total Credits Required	20

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 noncurrent assets. 4 credits. Every semester. Day, 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. Prerequisites: ACC 101 and MAT 050 or passing grade on math placement test. 4 credits. Every semester. Day. Spring. Evening.

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. The preparation of such statements is considered; analysis and interpretation of the statements are strongly emphasized. 3 credits. Spring. Day, evening.

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. Day, 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. Day, 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 spreadsheets. 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. 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. Day, 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. Day, evening.

ACC 401 Advanced Accounting Problems

An in-depth analysis of accounting theory and financial reporting. Course coverage includes partnerships, installment sales, consignments, and consolidations. Prerequisites: ACC 202 and ECO 331/FIN 301. 3 credits. Fall. Day, evening.

ACC 404 Senior Seminar in Accounting

A study of current literature, current accounting top-

ics, and recent professional pronouncements through active participation, oral presentations, and a research paper. Maximum enrollment: 15. Prerequisite: ACC 401. 3 credits. Spring. Day, 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. Day, 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. Day.

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, gift, and sales taxes. Special emphasis is given to the differences between federal and state taxes. Prerequisite: ACC 405. 2 credits. Spring. 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.

Aviation Management

The college offers a BS Degree in Aviation Administration, Aviation Business Studies, Airway Science, and minors in Travel and Tourism, and Aviation. Specialty Tracks are also offered in complementary disciplines for the Aviation majors.

Mission Statement:

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 community. Majors in Aviation Administration Professionals in the field of aviation administration manage airports, oversee airline operations, control air traffic, market aircraft, provide passenger and cargo sales and service management, supervise fixed base operations, and conduct aviation-related training. The aviation administration curriculum includes the necessary technical and managerial skills for the aviation field while insuring that the student receives a broad-based liberal arts background. Opportunities for qualified aviation managers in all parts of the industry exist worldwide. The aviation administration major provides the knowledge and skills required to function in entry and mid-level management positions with airlines, airports, manufacturers, transportation companies, consultants, fixed-base operators, travel agencies, tour operators, and hospitality service providers. The program is designed for Freshmen or current students majoring in other disciplines, or those students who have and have not declared a major, who want to become Aviation majors.

Major in Aviation Management

Course Requirements	Credits
Core curriculum including Mathematics 109 and 110 [see pg. 25]	42
Accounting 101 and 102 or FIN 301	8
Aviation 101; 102; 310; 320; 330; 340; 420; and 440	24
Aviation Management course [to be selected in consultation with advisor]	3
Aviation or complementary field Specialty Track, or minors [electives]	5
Business Law 201	3
Economics 201 and 202	6
Liberal Arts Electives	6
Free Electives	4
Business 101	3
Information Technology 101	3
Mathematics 301	3
Political Science 404	3
Psychology 100 or 313	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-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

128

Note: 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.

Major in Aviation Business Studies

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:

- 1 Holders of an FAA certificate or license
- 2 Persons with current or previous employment in the aviation industry
- 3 Transfer students from other colleges with aviation or related majors
- 4 Graduates of technical aviation programs
- 5 Graduates of two-year college aviation-related programs
- 6 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.

Course Sequence	Credits
Core curriculum [see pg. 25]	21
Liberal Arts Electives	33
Free Electives	15
Aviation 310; 320; 330; 340; 420; and 440	18
Aviation Management course [to be 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 404	3
Psychology 100 or 313	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-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

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.

Course Sequence	Credits
Core curriculum including Mathematics 301 [see pg. 25]	21
Aviation 101; 203; 213; 310; 320; 330; 340; 350; 410; 420; 430; and 440	36
Information Technology 101, and IT electives	9
Chemistry 101	4
Business 101	3
Business Law 201	3
Human Resources 310 and 304	6
Operations Research 308	3
Economics 201, 202, and 309 Mathematics 202 4	
Physics 101 and 102	8
Political Science 404	3
Psychology 100; 307; and 313	9
Liberal Arts Electives	6
General Electives	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-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

Minor in Aviation Administration

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.

Course Requirements	Credits
AV 101 -Introduction to Air Transportation	3
AV 102 -Aviation Operations	3
AV 310 -Aviation Marketing and Economics	3
AV 320 -Airport and Airway Facilities	3
Aviation Elective	3
Total credits required	15

Minor in Travel and Tourism

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 have a keen interest in National and International Travel.

Course Requirements [Select 5 of the following]:

	Credits
AV 103 Introduction to Travel & Tourism	3
AV 204 Travel and Economic Geography	3
AV 365 Air Cargo Management OR BUS 201 - Global Business	3
AV 370 Tourism and Travel Management	3
AV 415 Tourism Development	3
BUS 205 Management of a Small Business	3
Total credits required	15

Specialty Tracks

Specialty tracks provide students with the opportunity to gain more detailed knowledge in a particular area of aviation administration or to study a complementary field in order to augment understanding of aviation administration. The department chairman must approve the specialty track and the grouping of courses that constitutes the track for each individual student. The following specialty tracks are among those available: aviation air traffic control, airport management, aviation operations, aviation maintenance, flight operations, travel and tourism, aerospace science [Air Force ROTC]. Complementary fields: Accounting, information technology, economics, management, political science, international cultural studies, military science [ROTC], travel and tourism.

Aviation [AV] Courses

AV 101 Introduction to Air Transportation

The history of aviation, focusing on the events which 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. 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. 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 which lure people to travel. 3 credits. Fall 2002.

AV 203 Aviation Meteorology

Emphasis on interpretation of meteorological phenomena which affect aircraft flight; basic concepts of aviation meteorology; temperature, pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing, fog; analysis and use of weather data for flight planning and safe flying; interpretation of weather maps, reports, and forecasts. Non-aviation students will gain an understanding of weather impact and short-term forecasting. 3 credits. Spring 2002.

AV 204 Travel and Economic Geography

This course provides vital geographical information required to be 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. Spring 2003.

AV 210 Astronautics

Introduces spacecraft systems from propulsion to electronic and life support. Provides history of space exploits with emphasis on discoveries and lessons learned from each space mission. Strong emphasis is given to communications and satellite systems. 3 credits. As required.

AV 213 Aeronautics

Physical principles of operations and design of airfoil and aircraft systems. Aircraft performance and impact of weather on performance. Navigation, radio navigational aids, and air traffic procedures, combined with federal air regulations. 3 credits. As needed.

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 components suppliers. Topics include market structure, strategy, advertising, and research. Prerequisite: MAT 105 or equivalent, ACC 101. 3 credits. Fall after 2001.

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.

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 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. Spring.

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.

AV 350 Air Traffic Control

History, present system, and future operation of the domestic and international air traffic control system. Emphasis on interaction of the three domestic ATC options-enroute, terminal, and flight service. Evaluates the system operation and its impact on the air transportation system. Involves visits to air traffic control facilities and lab experience in traffic control and handling. 3 credits. Spring 2003.

AV 355/CJ 212 Aviation Security

Analysis of security and protection within the aviation industry. Course discusses existing and future security programs, systems, and equipment. Industry and corporate protection areas evaluated include building control, industrial espionage, theft and pilferage. Airline passenger screening and protection, aircraft and fixed-base operator security programs are prepared and reviewed. Terrorist and bomb threats, building evacuation, and search procedures are reviewed. Legislation concerning aviation security is covered from both a historical and present requirement viewpoint. 3 credits.

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 2003.

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 2001. Fall 2003.

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. Discussion focuses on 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. Fall 2001. Fall 2003.

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 2001. Fall 2003.

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. Spring 2002. Spring 2004.

AV 420 Aviation Law and Business Policy

An examination of governmental regulatory functions which 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. Fall.

AV 430 Airport Management *

An analysis of the role of the airport manager and his or 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 air-

ports and guest lecturers enhance the presentation. Prerequisites: BUS 101 and AV 320. 3 credits. Spring 2002.

AV 440 Current Trends

This is the capstone course for Aviation Administration and Aviation Business Studies majors. The course is also available to those minorning 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 which 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. Fall 2001. Spring 2003.

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 aviation or tourism sponsor. 3 credits per semester. Every semester.

**Qualifies for Aviation Management requirement for Aviation Administration or Aviation Business Studies majors.*

Chairman

Allen Burdowski

Professor

Burdowski

AdjunctsCatalano, D'Esposito, Franks,
Palmer, Pondish, Valcin, Westcott**Instructor**

Vogel

Information Technology

The mission of the department is to provide students with a foundation in computer applications, and to offer state of the art Information Technology courses for majors and for majors in 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. To offer courses in cooperation with the Management Department to prepare for careers in business as well as E-Commerce applications and careers.

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, Natural Science, Health Care Management, Education, Nursing, etc.

Major in Information Technology

Course Sequence	Credits
Core Curriculum [see pg. 25] including Mathematics 105 and 107	43
SFC 101 [Freshmen Only]	1
Health Science 100/PE 100	2
Information Technology:	
IT 101[formerly CIS 101], IT 103, IT 104 [formerly CIS 111]	9
IT 201, 203, 210	9
IT 301, 303, 305, 310	12
IT 500	3
ECO 201	3

ORM 301	3
Eight Liberal Arts Electives	24
Free Electives	9
Any 4 IT Electives	12
Total credits required	130

Information Technology Minor

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.

Course Sequence	Credits
IT 101	3
IT 103	3
IT 104	3
Any 3 IT 200-500 level courses	9
Total credits required	18

Alliance with Polytechnic University

St. Francis College has joined with Polytechnic University as part of a new educational collaborative known as the Knowledge Workers' Educational Alliance. This program is designed to produce highly qualified personnel who in five years will complete the Bachelor's degree from St. Francis College and the Master of Science degree in Computer Science from Polytechnic University.

Students will study specific IT courses, which will serve as bridge courses to Polytechnic University. Courses include: IT 103, IT 104 [formerly CIS 111], IT 105 [formerly CIS 201A], CIS 280, IT 340 [formerly CIS 340], IT 380 [formerly CIS 380], IT 404 [formerly CIS 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.

Information Technology [IT] Courses

IT 100 Computer Literacy [formerly CIS 100]

An introduction to computers, software applications, and the Internet: The importance of computers in today's business world necessitates computer literacy. This course is designed to empower students with the basic computer skills that are required in a modern work force environment. In particular, emphasis is placed on learning an operating system, a word-processing package, the Internet, and e-mail. Other topics include: a basic understanding of spreadsheets, presentation packages, and database management. 1 credit. Every semester. Day.

IT 101 Computer Tools [formerly CIS 101]

Introduction of 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. **Prerequisite:** IT 100. 3 credits. Every semester. Day, 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 base 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 Corequisite:** IT 101. 3 credits. Every semester. Day, evening.

IT 104 Programming I [formerly CIS 111]

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. **Prerequisites:** IT 101 and IT 103. 3 credits. Every semester. Day, evening.

IT 105 Programming II [formerly CIS 201A]

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. Offered as needed.

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. **Prerequisites:** IT 101 and IT 103. Lab fee. 3 credits. Offered as needed.

IT 203 Web Design [formerly CIS 600A]

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, and JavaScript. **Prerequisites:** IT 101. Lab fee. 3 credits. Offered every semester.

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, SoundEdit 16, Dreamweaver, and Flash. Web design and development issues include HTML basics, Dynamic HTML, JavaScript, Shockwave, streaming audio and video, and QuickTime VR. Also examined are systems configuration and hardware requirements of the multi-platform digital production studio. Prerequisites: IT 101 and IT 103. Lab fee. 3 credits. Offered as needed.

IT 210 Database Management Systems [formerly CIS 460]

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. Prerequisites: IT 101 and IT 103. Lab fee. 3 credits. Offered as needed.

IT 230 Computers in Education

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 the 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 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 cost, provide better education for providers and patients, and to conduct medical research more effectively. Prerequisite: IT 101. Lab fee. 3 credits. Spring.

IT 301 Project Management

This course is an introduction to project management. Topics include: overview and concepts of project management, 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 201, IT 203, and IT 210. Lab fee. 3 credits. Offered as needed.

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, which will include pro forma financial statements. Prerequisites: IT 203/210 or MKT 340/440. Offered every semester.

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, which include patent, trademark, copyright and trade secret laws. This course will pro-

vide 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. **Prerequisites:** IT 201, IT 203. 3 Credits. Fall. 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. Lab fee. **Prerequisites:** IT 201, IT 203, IT 210. 3 credits. Offered as needed.

IT 310 Systems Analysis and Design [formerly CIS 301]

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 104. Lab fee. 3 credits. Offered as needed.

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. **Prerequisites:** IT 201, IT 203, and 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. **Prerequisites:** IT 201, IT 203, and IT 210. Lab fee. 3 credits. Offered as needed.

IT 320 IS 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 which are 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. **Prerequisites:** IT 201, IT 203, and IT 210. Lab fee. 3 credits. Offered as needed.

IT 340 Computer Architecture and Organization [formerly CIS 340]

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. Offered as needed.

IT 380 Operating Systems [formerly CIS 380]

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. Offered as needed

IT 404 Data Structures [formerly CIS 404]

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 105. Lab fee. 3 credits. Offered as needed.

IT 410 Independent Study [formerly CIS 700]

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. Students may also do an internship for credit with the approval of the department chairman. Lab fee. 1-6 credits.

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. Prerequisites: IT 301, IT 303, IT 305 and IT 310. Lab fee. 3 credits. Offered as needed.

IT 440 Internship

Students majoring in the department who have maintained a general GPA of 2.7 and a major or minor in the CIS 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. 1-6 credits.

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: IT 301, IT 303, IT 305, IT 310 and Senior standing. Lab fee. 3 credits. Spring.

Chairman John F. Flanagan	Professors Emeriti Barcun, Willing, Goldberg	Special Lecturer Ende
Program Directors Breschel, Dilyard, Ende, Gomori, Petrucelli	Assistant Professors Breschel, Dilyard	Adjuncts Duncan, Daly, Fazio, Honig, Jackson, Kirrane, Lesman, Macchiarola, McCabe, Paguaga, Rubin
Professors Gomori, Petrucelli	Instructor Karmarkar	

Management

Management Department

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, and Law and Commerce. Management majors may also obtain Minors within the Division of Management Science in Accounting, Aviation, Information Technology, and Travel and Tourism.

Mission Statement

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.

Major in Management

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.

Course Sequence	Credits
Core curriculum [see p.25], including Mathematics 109 and 1104	42
SFC 101 [Freshmen Only]	1
Accounting 101 and 102	8
Business Law 201 and 202	6
Economics 201; 202; and 306	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 404	3
Free Electives	16
Liberal Arts Electives	3
Health Science 100A; Health Science 100B/Physical Education 100A; or Physical Education 100 [B-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

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.

Course Sequence	Credits
BUS 101 Organization and Management	3
HR 201 Management Theory and Practice	3
MKT 201 Introductory Marketing	3
IT 101 Computer Tools	3
ACC 101 or 150 Accounting I or Intro to Accounting	3-4
FIN 301 Principles of Corporate Finance	3
Liberal Arts Elective Economics 201	3
Total credits required	21-22

Associate in Applied Science - Business Administration

This degree program permits adults with work experience and others who do not expect to be able to complete a B.S. 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.

Course Sequence	Credits
Core curriculum [see pg.25], including Mathematics 109 and 301	30
Accounting 101 and 102	8
Business Law 201 and 202	6
Information Technology 101	3
Economics 201 and either 202 or 306	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, Ethics & Commerce, Operations Management, E-Commerce, or Human Resources 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

Professor Jean Ende - Program Director

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:

- 1 To foster entrepreneurship among students.
- 2 To prepare students to successfully manage and develop family enterprises, including the challenges of globalization.

Concentration Requirements [Select 5 of the following]	Credits
BUS 201 Global Business	3
BUS 204 Business and Society	3
BUS 205 Management of a Small Business	3
BUS 250 Business Communications	3
BUS 496 Business Research	3
BUS 497 Internship	3
FIN 340 Insurance and Risk Management	3
MKT 340 Public Relations	3
MKT 316 Merchandising and Retailing	3
Total:	15

International Business Concentration

Dr. John Dilyard - Program Director

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:

- 1 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.
- 2 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.

- 3 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.

Concentration Requirements [Select 5 of the following]:	Credits
BUS 201 Global Business	3
MKT 330 International Marketing	3
ECO 403 International Economics - Trade and Finance	3
FIN 420 International Finance	3
ICS 240, 241, 305, 306 or 307	3
AV 360 Transportation Management	3
IT 303 E-Commerce Integration	3
Total:	15

Marketing Concentration

Professor Ernest Petrucelli - Program Director

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:

- 1 To challenge students to learn, interrelate and apply the basic concepts and practices of modern marketing in practical Internet applications and realistic situations.
- 2 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.
- 3 To prepare students for entry-level careers with profit, non-profit and public service companies with emphasis in the areas of Sales and Marketing.

Concentration Requirements [Select 5 of the following]	Credits
MKT 202 Marketing Management	3
COM 307 Advertising	3
MKT 307 Advertising and Sales Promotion	3
MKT 309 Sales Function	3
MKT 315 Public Relations and Publicity	3
MKT 316 Merchandising and Retailing	3
MKT 330 International Marketing	3
MKT 340 Direct Marketing	3
MKT 440 Internet Marketing	3
Total:	15

Finance Concentration

Dr. Peter Gomori - Program Director

The study of Finance 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:

- 1 To prepare the student for entry level positions within the finance professions.
- 2 To adequately prepare students to pursue advanced study in graduate school.
- 3 To provide a broad interdisciplinary approach that enhances appreciation of the importance of other subject areas necessary for success in a career in finance.

Concentration Requirements [Select 5 of the following]	Credits
FIN 216 Personal Finance	3
FIN 302 Managerial Finance*	3
FIN 312 Security Analysis*	3
FIN 334 Government Finance*	3
FIN 340 Insurance & Risk Management	3
FIN 412 Portfolio Management*	3
FIN 420 International Finance	3
FIN 422	
Financial Institutions Management	3
Total:	15

*May be taken as a Liberal Arts/Economics Elective

Law, Ethics, and Commerce Concentration

David C. Breschel, Esq. - Program Director

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, Business Ethics and Commerce Concentration are:

- 1 To provide a foundation in Business Law for all Management and Accounting Majors.
- 2 To develop and integrate appropriate Law, Ethics, and Commerce courses in support of various disciplines and concentrations, e.g., Aviation, Criminal Justice, Ethics, E-Commerce, Information Technology, and Finance.
- 3 To foster ethical practices in the business community.

Concentration Requirements [Select 5 of the following]	Credits
BUS 342 Philosophy of Business Ethics*	3
FIN 340 Insurance & Risk Management	3
IT 305 Information Technology Law & Ethics	3

AV 420 Aviation Law & Policy	3
CJ 301 Criminal Law I	3
PSC 410 Constitutional Law	3
IT 303 E-Commerce Integration	3
Total:	15

* 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

Ujjvala Karmarkar - Instructor

The Operations Management Concentration applies mathematical and analytical concepts to the solving of business problems and the enhancement of 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:

- 1 To introduce students to the applications of theoretical mathematics to real-world problems.
- 2 To apply mathematical technique to business situations.
- 3 To develop analytical reasoning skills for managerial appreciation.
- 4 To provide the mathematical foundation for the applications of Computers and Information Technology Systems solutions.

Concentration Requirements [Select 5 of the following]	Credits
ORM 308 Quantitative Methods in Business I	3
ORM 309 Business Forecasting	3
ORM 310 Production and Operations Management	3
ORM 311 Quantitative Methods in Business II	3
IT 310 Systems Analysis and Design	3
AV 360 Transportation Management	3
Total:	15

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:

- 1 To recognize and apply the appropriate people management skills to the business enterprise.
- 2 To acquire knowledge of Information Technology applicable to the Human Resources function.
- 3 To develop an appreciation for the various personnel practices for a Global Business Enterprise.

Concentration Requirements [select 5 of the following]	Credits
HR 304 Human Resources Management	3
HR 310 Organizational Behavior	3

HR 409 Industrial Relations/Collective Bargaining	3
HR 410 Compensation	3
SOC 301 Social Problems	3
SOC 319 Conflict Resolution	3
IT 210 Database Management	3
BUS 201 Global Business	3
Total:	15

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. 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:

- 1 To prepare students for the dynamic opportunities presented by E-Commerce.
- 2 To use E-Commerce as the tool to apply a foundation in the basic management discipline.
- 3 To provide a vehicle for related majors with appropriate prerequisites to develop marketable skills.

Concentration Requirements [Select 5 of the following]	Credits
IT 203 Web Design	3
IT 210 Database Management	3
IT 303 E-Commerce Integration	3
IT 305 Information Technology Law & Ethics	3
MKT 340/440 Direct Marketing/Internet Marketing	3
Total:	15

Business [BUS] Courses

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, 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 when, where, 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. Evenings, as required.

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. Day. Spring. 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 resumé 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. Fall 2001. 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 status. 3 credits. Every semester. Day, 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 Divisional Dean. 1-3 credits. Every semester.

BUS 498 Independent Study

Individual research and study with the approval of the department of management. **Prerequisite:** Prior application and approval of the Divisional Dean. 1-3 credits. Every semester.

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. Fall. Evening.

BL 202 Business Law II

The law of commercial paper: Articles 3 and 4 of the Uniform Commercial Code; the law of property, bankruptcy, agency and business organizations: sole proprietorships, partnerships, and corporations. **Prerequisite:** BL 201. 3 credits. Every semester. Day. Spring. Evening.

Finance [FIN] Courses

FIN 216 Personal Finance [Formally FIN 316]

Analysis of the many aspects of personal finance in modern society. Topics include: personal budgeting, investments, mortgages, insurance, and taxes. 3 credits. Fall. Evening. Spring. Day.

FIN 301/ECO 331 Principles of Corporate Finance

Aspects of financing corporate entities in the functioning of the economy; equity and bond valuation, security underwriting, and secondary markets. The use of financial ratios, time value of money, and

other techniques of financial analysis. **Prerequisites:** ACC 101 or 150; ECO 201 and MAT 050 or exemption. 3 credits. Every semester. Day. Fall. Evening.

FIN 302/ECO 332 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 statement analysis, financial planning, working capital management, short- and long-term financing, and optimal capital structure. **Prerequisite:** FIN 301/ECO 331. 3 credits. Fall 2002. Day. Spring 2003. Day.

FIN 312/ECO 333 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:** FIN 301/ECO 331. Lab Fee. 3 credits. Fall 2001. Day. Spring 2003. Evening.

FIN 334/ECO 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 201. See ECO 334 for offering.

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:** MAT 050 or exemption. 3 credits. Fall. Day. Spring. Evening.

FIN 412/ECO 433 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 331. 3 credits. Day. Spring 2002. Evening. Fall 2002. Day.

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. 3 credits. Evenings as required.

FIN 422 Financial Institutions Management

Analysis of 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. 3 credits. Spring. Day.

Human Resources [HR] Courses

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. Every semester. Fall. Day, evening.

HR 304 Human Resources Management

This study of current human resources administration in various types of organizations incorporates recruitment, testing, placement, motivation, and training of individuals; problems of sensitivity training, the effect of cultural differences, governmental assistance and regulations, basic aspects of effective programs of wage administration, employee benefits, and industrial judicial practices [grievances and arbitration]. Course includes a hands-on computing simulation using Lotus 1-2-3 related to human resource activities. **Prerequisite:** HR 201 or permission of instructor. 3 credits. Spring. Fall. Day, 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. Day, 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 required.

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 required.

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. Fall. Day, 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. Spring. Day, 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. 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. Evening. Spring. 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. Day, 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. Offered as required.

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. 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, fund raising, 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, 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.

Operations Research and Management Courses [ORM]

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, 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 QA 301. Lab fee. 3 credits. Every semester. Day, 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 expo-

nential smoothing, and "jack-knife" methods.

Qualitative techniques are also addressed. Included are: "top-down" and "bottom-up" forecasting, Delphi Method and "panel of experts" approach. Students are also exposed to software packages on the micro-computer. **Prerequisites:** MAT 109 and QA 301 or permission of instructor. 3 credits. Offered as required.

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:** QA 301 or permission of instructor. 3 credits. Every semester. Day, 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 QA 301 or permission of instructor. 3 credits. Offered as required.



Tuition, Fees, Financial Aid,
Scholarships, Board, Council,
Administration & Faculty

Tuition & Fees 2001-2002

Full-time students, 12-18 credits [or the equivalent]	\$4,725.00 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 Intercession 2002 or Summer Session I or II 2002 for each full-time semester of restricted program.	
Full-time students, 19 or more credits	\$4,725.00 per semester plus 325.00 for each credit in excess of 18 credits
Part-time students, 1-11 credits	\$325.00 per credit
Intercession 2002	\$325.00 per credit
Summer Sessions 2002	\$325.00 per credit
Non-credit course Mathematics 050 or 070	\$975.00 per course for part-time students, or as 3 credits for full-time students
Experiential learning	\$109.00 per petitioned credit

Regular Fees

Application	\$20.00
Matriculation	\$25.00
Readmission	\$20.00
Service	
Fall and Spring semesters	
Full-time students [enrollment for 12 or more credits or the equivalent]	\$50.00
Part-time students [enrollment for less than 12 credits, excepting students only registering for maintenance of matriculation]	\$20.00
Summer Sessions [enrollment in one or both sessions]	\$20.00
Intercession	\$20.00
Student activities, Fall and Spring semesters [applicable only to full-time students or the equivalent taking 50% or more of their courses before 6 p.m.]	\$30.00
Tuition Deposit [creditable towards tuition costs for semester of admission acceptance]	\$100.00

Laboratory Fees

Accounting 211	\$40.00
Biology 103, 104, 107, 108, 201, 202, 203, 204, 206, 301, 301A, 302, 303, 304, 310, 402, 405	\$70.00 per course
Chemistry 105, 106, 111, 112, 201, 301, 302, 304, 312, 350, 401, 402, 404	\$70.00 per course
Communications 308	\$165.00

Communications 401, 402, 501	\$100.00 per course
Education 435, 436, 437	\$40.00 per course
Information Technology 100, 101, 103, 104, 105, 201, 203, 205, 210, 230, 250, 280, 301, 309, 310, 311, 313, 320, 340, 404, 410, 425, 440, 500	\$40.00 per course
Physics 101, 102	\$70.00 per course
Political Science 450	\$40.00
Psychology 300	\$40.00
Physical Education III, 100C	\$40.00 per course
Science 301, 302	\$70.00 per course
Special Fees	
Change of registration [drop / add]	\$5.00
Deferred payment plan	
Enrollment	\$35.00 per semester
Installment late payment	\$50.00 per installment
Delinquent payment	\$75.00 per semester
Graduation	
Associate's Degree	\$50.00 per degree
Bachelor's Degree	\$100.00 per degree
Late registration	\$75.00
Locker rental, for Fall and Spring semesters	\$5.00
Maintenance of Matriculation [applicable to matriculated students/degree candidates, if not enrolled for any coursework, excepting summer session, unless graduating at the end of the summer]	\$15.00 per term
Returned check surcharge	\$25.00 per check
Special examination	\$5.00
Transcript	
Student [unofficial]	\$3.00 per copy
Official	\$5.00 per copy
Office in sealed envelope given to student	\$8.00 per copy
Tuition extension plan	
Enrollment	\$50.00 per term
Installment late payment	\$75.00 per installment
Delinquent payment	\$100.00 per term

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 \$25 surcharge will be imposed and personal checks will not be accepted for any subsequent payment to the College.

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 McGarry 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 registration payment options:

- 1 **Full payment** - this is the regular and preferred payment arrangement.
- 2 **Monthly Payment Option** A monthly payment program administered for the College by Tuition Management Systems, Inc. which offers the option of spreading payment of tuition and fees over the academic year in ten equal monthly payments. The 10-month installment program begins June 1st and ends the following March 1st. A 12-month plan with monthly installment payments April 1st through the following March 1st is available for renewal enrollment in the program, and a 5-month one semester only plan is also available. The enrollment fee is \$55 for the academic year plan, and \$40 for a one semester only plan. Installment payments are due the 1st of each month; a \$20 late fee is charged monthly for late installment payments. Monthly Payment Option brochures and information may be obtained from the Office of Student Financial Services or from Tuition Management Systems at 800-722-4867.
- 3 **Deferred Payment Plan** A deferral of payment plan requiring an initial payment to the College of a minimum of one-third of the current semester's total tuition and fees. The amount deferred is payable in two equal installments due October 15th and November 15th for the Fall semester, and due February 28th and March 31st for the Spring term. The deferred payment plan is not available for the intersession or summer sessions. The enrollment fee is \$35 each semester; a \$50 late payment fee is charged for each deferred payment installment received after the applicable installment due date, and, in addition to the applicable late payment fees, a \$75 delinquent payment fee is assessed all deferred payment plan balances not paid in full by the end of the semester. The plan is available for the current semester only; any previous account balance must be paid in full in order to complete the current term's registration.
- 4 **Tuition Extension Plan** A deferment plan for students with extenuating circumstances that cannot be accommodated by the deferred payment plan. A tuition extension agreement detailing the student's extenuating circumstances and planned payment schedule must be submitted to the Student Accounts Unit for approval. Approved plans require a \$50 enrollment fee each term; a \$75 late payment fee is charged for each installment payment received after the scheduled due date of the tuition extension agreement, and, in addition to the applicable late payment fees, a \$100 delinquent payment fee is assessed all tuition extension plan balances not paid in full by the end of the term. The plan is available for the current term only; any previous account balance must be paid in full in order to complete the current term's registration.

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 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 poli-

cy may address a written appeal for special consideration to Mr. Barry G. Walter, Associate Director, Office of Student Financial Services, Student Accounts Unit, St. Francis College, 180 Remsen Street, Brooklyn, NY 11201. The Associate Director's decision is subject to appeal to the Vice-President for Enrollment Services.

Refund of Fees

The following fees are non-refundable: application, change of registration, deferred payment plan, delinquent payment, installment late payment, late registration, locker rental, readmission, returned check surcharge, special examination, transcript, and tuition extension plan. The \$100 tuition deposit, which is 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, maintenance of matriculation, 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

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 date of the semester as specified in the College's academic calendar	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 Intersession or Summer Sessions 2002 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, 5 week session

Withdrawal prior to the opening date of the session as specified in the

College's academic calendar	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

Withdrawal prior to the opening date of the interession as specified in the College's academic calendar	100%
Withdrawal during the first two days of the interession	90%
Withdrawal during the third or fourth calendar day of the interession	50%
Withdrawal during the fifth through the ninth calendar day of the interession	25%
Withdrawal after the ninth calendar day of the interession	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:

- 1 Unsubsidized Federal Stafford, Federal Stafford, Federal Perkins, and Federal PLUS Loans;
- 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, or student overpayments of enrollment costs, or 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 later of [1] the opening date of the semester or [2] the date the overpayment or credit balance occurs. Notification is mailed to the student indicating the date the refund check may be picked-up at the Student Accounts Unit, Room 614A.

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. A student who completes a refund voucher at the Student Accounts Unit will be informed of the date to pick up the refund check. In all other instances notification is mailed to the student advising when the refund check will be available for pick-up at the Student Accounts Unit. A refund voucher need not be completed in order to receive a refund check, as within the 14 days time frame outlined above, refund checks are generated and notification is mailed to the student for any credit balance amount in excess of \$25. All refund checks are distributed at the Student Accounts Unit, Room 614A, and the validated St. Francis College photo student identification card and a second form of acceptable identification must be presented to receive the refund check. Student refund checks are not mailed. At the student's option, refund checks issued by the Student Accounts Unit may be cashed at the College's bank upon presenting the 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 McGarry Library.

Financial Aid

St. Francis College has a comprehensive financial aid program, designed to insure that an eligible student is not prevented from attending the College simply because of inadequate finances. Eligible students may be offered a financial aid package that consists of some combination of scholarships, grants, loans, and student employment.

Application Procedure

A student must reapply 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), which can be done online at www.fafsa.ed.gov. Freshmen entering in the Fall semester must file the FAFSA before February 15 for priority consideration. Allow at least one month for the FAFSA to be processed in order to meet the February 15 priority date. Returning students (upperclass) must file for financial aid for the forthcoming academic year by March 1. Students applying for financial aid are considered for all programs for which they are eligible. Most financial aid awards consist of a combination of two or more forms of aid. 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 Free Application for Federal Student Aid (FAFSA).

General Eligibility Requirements

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 at least half-time 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 [also refer to section D below]. It is to be emphasized that these standards are to 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 is funded from the College's own resources. First, students must show evidence of making satisfactory progress toward the completion of their degree objectives. This is a function of the quality of one's academic performance and is measured by the quality-point index. 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 which they have attempted.

New York State and Federal standards for both satisfactory academic progress and "program pursuit" differ somewhat.

A New York State Assistance Students who are 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. This increases to 9 credits per semester during the second year, and to 12 credits each term 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 which a student is repeating do not count toward the applicable minimum for full-time financial aid benefits, unless the course was not passed the first time attempted or the grade earned is not acceptable toward the student's degree. (A course repeated to raise the student's

grade-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 his or her first State aid payment. All subsequent awards, however, are made only if the recipient meets the credit and quality-point index criteria enumerated in the following chart:

New York State Financial Aid Eligibility Standards

Before being certified for this semester of

New York State Aid	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th
A student must have satisfactorily completed a minimum of at least this many total credits, and	0	3	9	21	33	45	60	75
A student must have achieved a minimum of at least this cumulative quality point index, and	0	1	1.2	1.3	2.0	2.0	2.0	2.0
A student must have completed at least this many credits with grades of A, B, C, D, F, or P during the previous semester of full-time enrollment	0	6	6	9	9	12	12	12

It is important to note that the above set of applicable requirements must be met every semester in order to remain eligible for New York State financial assistance the following semester.

B Federal and Institutional Financial Assistance: 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 both the minimum percentage and minimum QPI standards outlined in the following chart:

Federal and Institutional Financial Aid Eligibility Standards

A student who has attempted this many total credits, including transfer credits	1-28	29-59	60-96	97-160
Must have satisfactorily completed at least this minimum percentage of total attempted credits, and	60%	70%	75%	80%
A student who has satisfactorily completed this many total credits, including transfer credits	0-27	28-59		60 or more
Must have at least this minimum cumulative quality-point index	1.50	1.75		2.00

It is expected that all recipients of federal financial assistance will 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, excepting 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 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 a one-time waiver is granted by the Vice President for Student Affairs/ Dean of Students for the applicable semester.

Scholarship awards funded from St. Francis College's resources [e.g., Athletic, Presidential, Principal, Valedictorian, Franciscan Scholarships] have additional eligibility conditions detailed in the student's financial aid award letter.

Extraordinary Circumstances

In extraordinary circumstances [illness, injury, death of a relative, or serious and unanticipated personal problems beyond his or her control], a student may be granted a waiver of these requirements. This is available only once during the student's entire undergraduate career, and must be specifically requested - in writing and with appropriate supporting documentation - from the Vice President for Student Affairs/Dean of Students. If the waiver is granted, it is expected that the student will use the semester for which it is granted to make up his or her deficiencies and advance to the level necessary to restore his or her 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/her control and who intends to return to class as soon as possible, should notify the Office of the Vice President for Student Affairs/Dean of Students at his/her earliest opportunity. Once the permissible absence threshold has been reached, the student is presumed to have ceased his/her 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.

Grants

Federal

Federal Pell Grant

Federal Supplemental Educational Opportunity [FSEOG]

New York State

Aid for Part-Time Study

Memorial Scholarships for Families of Deceased Police Officers and Firefighters

Regents Awards for Children of Veterans

Regents Professional Opportunity Scholarships

Robert C. Byrd Honors Scholarships

Scholarships for Academic Excellence

Tuition Assistance Program [TAP]

Vietnam Veteran and Persian Gulf Veterans Tuition Award

Institutional

St. Francis College Athletic Grant-in-Aid

Loans

Federal Parent Loan for Undergraduate Students [FPLUS]

Federal Perkins Loan [NDSL]

Subsidized Federal Stafford Loan [GSL]

Unsubsidized Federal Stafford Loan [USL]

Student Employment

Federal College Work Study Program

Student Assistant Program

Federal Community Service Program [Urban Corps]

America Reads

Veterans

Veterans' benefit forms are processed by Student Financial Services/Financial Aid Unit.

For further information regarding financial aid programs at St. Francis College, call [718] 489-5255, e-mail finaid@stfranciscollege.edu, or visit the office, which is located on 1M.

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 3.000. During school year 2000-2001, 251 students were recipients of Presidential Scholarships.

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 3.000. During school year 2000-2001, 14 students were recipients of Principal Scholarships.

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 3.000. During school year 2000-2001, 421 students were recipients of Franciscan Scholarships.

Endowed Scholarships

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 Spring 1992 to a handicapped student.

Catholic Accountants Guild Scholarship This scholarship is solely for St. Francis College accounting students in the senior class. It is donated annually by the Guild.

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.

Right Reverend Monsignor Joseph V. McClancy Memorial Scholarship Established by the children of the Catholic schools in memory of their distinguished superintendent, an alumnus of St. Francis College.

Brother Roger Nagle, O.S.F., Scholarship Established through gifts from alumni and friends in memory of Brother Roger. It was awarded for the first time 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 scholarships endowed with gifts from trustees, employees, alumni, and friends in conjunction with his 25th Anniversary as President of the College.

Endowed Presidential Scholarships

Since the College's Centennial celebration in 1984, corporations, foundations, alumni, and friends of the College have generously endowed scholarships. In 1996, the scholarship program was made a priority. As a result, this program has been strengthened, and there has been and will continue to be an increase in the

number of scholarships offered to students. These scholarships are granted on the same basis and provide the same awards as Presidential Scholarships [see p. 188]. The following scholarships are included in this category.

Anne Longo Amore Scholarship Full scholarship endowed in 2001 in memory of Anne Longo Amore, mother of Ann Amore, the College's long-time Vice President for College Relations. The scholarship was endowed by gifts from family members, friends, alumni, faculty, staff, and administration.

Monsignor Paul Bradley '37 Scholarship Full scholarship endowed by Monsignor Bradley in 1998.

Gladys Brooks Foundation Scholarships The Gladys Brooks Foundation has endowed two full scholarships. The first was originally awarded in 1987, and the second was awarded in spring 1992. Both scholarships are based solely on academic ability.

Dr. John Burke Scholarship Full scholarship endowed in 2000 by many alumni and friends in honor of Dr. Burke, longtime professor of Chemistry.

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, former professor of Philosophy.

Philip Andrew Carrano '70 Scholarship Full scholarship endowed in 2000 in memory of Philip 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.

Dr. Michael Casey Scholarship Full scholarship endowed in 2000 by many alumni and friends in memory of Dr. Casey, former professor of Economics.

Robert B. Catell Scholarship This full scholarship was established with part of the proceeds from the 1999 Charter Award Dinner honoring Mr. Catell, who is the Chairman and CEO of Keyspan Energy.

Derrick D. Cephas Scholarship This full scholarship was established with part of the proceeds from the 1998 Charter Award Dinner honoring Mr. Cephas who is 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 Spring 1990.

Dean John Clifford Scholarship Full scholarship endowed in 1998 by many alumni and friends in memory of this former Dean of Students and moderator of the Troupers.

Rita and Michael Collins Scholarship Full scholarship endowed in 1998 in honor of Mary Macchiarola's parents by the Collins and Macchiarola families.

Joseph Coppotelli '63 Scholarship This full scholarship was established with part of the proceeds from the 2000 Charter Award Dinner honoring Mr. Coppotelli who is 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 This full scholarship in memory of State Assembly-woman Dugan was established by her family and friends. 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 Scholarships These two full scholarships were endowed by past and current employee donations. The first was awarded in Fall 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 Fall 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.

Dr. James Flynn Scholarship Full scholarship endowed in 2000 by many alumni and friends in memory of Dr. Flynn, former professor of History.

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 Fall 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 this former President of the College.

William Randolph Hearst Foundation Scholarship The 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 Michael Henning '61 endowed this full scholarship in 2001 in honor of his parents.

Brother Edmund Holmes, O.S.F. '28 Scholarship This full scholarship was established by Msgr. Paul Bradley. It was awarded for the first time in 1998.

Dr. Clement Jdrzejewski Scholarship Full scholarship endowed in 1999 by many alumni and friends in memory of Dr. Jdrzejewski, former professor of Sociology.

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 Fall 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.

Dr. Nino Langiulli Scholarship Full scholarship endowed in 2000 by many alumni and friends in honor of Dr. Langiulli, longtime professor of Philosophy.

Brother George Larkin, O.S.F. Scholarship Full scholarship endowed in 2000 by many alumni and friends in

honor of Brother George, longtime Director of Admissions.

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.

Lucy and Joseph Macchiarola Scholarship Full scholarship endowed in 1998 in honor of Frank Macchiarola's parents by members of the Macchiarola family and friends.

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 have endowed twelve full scholarships. The first was originally awarded in Spring 1987.

Bob 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 IBJ 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 Half scholarship endowed in 1998 by the Meades. Thomas was a long-time member of the Council of Regents.

Lois Melsha Scholarship Full scholarship endowed through the estate of Lois Melsha. The first scholarship was awarded in Fall 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 This full scholarship was 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 Patranzino '69 Scholarship This full scholarship in memory of James Patranzino '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 Two full scholarships endowed by Anthony Providenti '67 in honor of his family and the Council of Regents of which he is a member. The first was awarded in Fall 1995.

Helen Quigley Scholarships Mr. James Quigley '32 endowed these two full scholarships in memory of his wife. The first was awarded in Fall 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 this former long-time President of the College.

Brother Jerome Reese, O.S.F. Memorial Scholarship Full scholarship established in memory of the former St. Francis College President. This scholarship is awarded to an entering student who has demonstrated exceptional academic achievement and shows promise of continued success.

Dr. Aida Santiago Scholarship Full scholarship endowed in 2000 by many alumni and friends in memory of Dr. Santiago, former professor of Economics.

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 Fall 1993.

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 This full scholarship was established with part of the proceeds from the 1997 Charter Award Dinner honoring Mr. Striano, who is the 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.

Third Order Regular Scholarship The St. Francis Fraternity Third Order of St. Francis has 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 Full scholarship endowed in 2000 by many alumni and friends in memory of Brother Giles, former professor of English.

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 1998. Three students each year will receive a stipend of \$1,000 each. The students must be either firefighters, their spouses, or their children.

All of the preceding scholarships were made possible through the generosity of alumni and friends of the College. If you would like information on funding a scholarship in someone's name, please contact the St. Francis College Office of Development at [718] 489-5361. You can also make a gift to support the following partially funded scholarships that currently have campaigns in progress to achieve full funding.

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Honorable Francis X. Altimari '50
Madeline and Stanley Bogart
Frank Celauro
Jo Conway
Brother Henry Cuddy, O.S.F.
Curtin Family
Duns Scotus
Dr. Robert Fox
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Dr. Enildo Garcia
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Brother Celestine McGarry, O.S.F.
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Jonathan Nigro '96
John Cardinal O'Connor
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* Pax et Bonum Medal 15 years or more on faculty.

St. Francis College Academic Calendar

Fall 2001 to Spring 2003

Fall 2001

September 5	Wednesday	Classes Begin - Program Changes Without a Fee
September 11	Tuesday	Last Day for Program Changes Without a Fee
September 11	Tuesday	Last Day to Add a Course
October 2	Tuesday	Last Day to File for a Pass-Fail Course Request
October 8	Monday	Columbus Day - No Classes - Library and Administrative Offices are Closed
October 19	Friday	Mid-Semester Grades are Due in Registrar's Office
October 22	Monday	Advisement for Spring 2002 begins
October 26	Friday	Last Day to File an Application for February, May or August, 2002 Graduation
October 29	Monday	Registration for Spring 2002 begins
November 20	Tuesday	Thanksgiving Recess Begins at 6pm Registration for Spring 2002 ends
November 21 - 25	Inclusive	Administrative Offices Closed
November 23	Friday	Library Open
November 26	Monday	Classes Resume
December 3	Monday	Last Day to File for Automatic Withdrawal [W] Grade
December 11	Tuesday	Last Day of Classes
December 12	Wednesday	Study Day
December 13 - 19	Inclusive	Final Examinations [Thu - Wed]
December 17 - 21	Inclusive	Registration for Intersession
December 24 - 25	Monday - Tuesday	Christmas Holidays
December 26	Wednesday	Final Grades are Due in the Registrar's Office
Dec. 31 - Jan. 1	Monday - Tuesday	New Year's Holidays - Administrative Offices and Library Closed

Spring 2002

January 2	Wednesday	Intersession Classes Begin
January 7	Monday	Registration for Returning Students
January 7	Monday	Registration for New Students
January 18	Friday	Intersession Classes End
January 21	Monday	Martin Luther King, Jr. Holiday - Administrative Offices and Library Closed
January 22	Tuesday	Spring Semester classes begin - Program Changes Without a Fee
January 23	Wednesday	Last Day for Program Changes Without a Fee
January 28	Monday	Last Day for Adding a Course
February 11	Monday	Last Day to File Pass-Fail Course Request
February 18 -19	Monday - Tuesday	Presidents' Day Holiday - No Classes - Administrative Offices and Library Closed
March 11	Monday	Mid-Semester Grades are Due in the Registrar's Office
March 21 -31	Inclusive	Easter Recess Begins - No Classes until April 1
March 27 - 31	Inclusive	Easter Recess - Administrative Offices and Library Closed
April 1	Monday	Classes Resume
April 8	Monday	Academic Advisement Begins for Summer and Fall 2002
April 15	Monday	Registration Begins for Summer and Fall 2002
April 30	Tuesday	Registration For Fall 2002 Ends
May 2	Thursday	Last Day to File Automatic Withdrawal [W] Grade
May 3	Friday	Last Day of Classes
May 6 - 10	Inclusive	Final Examination Week
May 13	Monday	Final Grades Due in the Registrar's Office
May 27	Monday	Memorial Day Holiday - Administrative Offices and Library Closed
TBA		Baccalaureate Mass
TBA		Commencement

Summer 2002

June 3	Monday	Summer Session 1 Begins
July 2	Tuesday	Summer Session 1 Ends
July 4	Thursday	Independence Day Holiday - No Classes
July 8	Monday	Summer 1 Final Grades Due in the Registrar's Office
July 8	Monday	Summer Session 2 Begins
August 6	Tuesday	Summer Session 2 Ends
August 12	Monday	Summer 2 Final Grades Due in the Registrar's Office
August 26	Monday	Late Registration for Returning Students

Fall 2002

September 2	Monday	Labor Day Holiday - Administrative Offices and Library Closed
September 9	Monday	Classes Begin - Program Changes Without a Fee
September 13	Friday	Last Day for Program Changes Without a Fee
September 16	Monday	Last Day for Adding a Course
October 1	Tuesday	Last Day to File Pass-Fail Course Request
October 14	Monday	Columbus Day - No Classes - Library and Administrative Offices are Closed
October 18	Friday	Mid-Semester Grades Due in Registrar's Office
October 21	Monday	Advisement begins for Spring 2003
October 25	Friday	Last Day for Seniors to File Application for Degree for February, May, August 2003 Graduation
October 28	Monday	Registration Begins for Spring 2003
November 22	Friday	Registration Ends
November 26	Tuesday	Thanksgiving Recess Begins at 9 pm
Nov. 27-Dec. 1	Inclusive	Thanksgiving Recess - Administrative Offices Closed - Library Open November 29
December 2	Monday	Classes Resume
December 13	Friday	Last Day of Classes
December 16-20	Inclusive	Final Examination Week
December 18-23	Inclusive	Registration for Intersession 2003
December 23	Monday	Final Grades Due in the Registrar's Office
Dec. 24 - 25	Tue. - Wed.	Christmas Holidays - Administrative Offices and Library Closed
Dec. 31 - Jan. 1	Tue. - Wed.	New Year's Holidays - Administrative Offices and Library Closed

Spring 2003

January 2	Thursday	Interession Begins
January 6	Monday	Late Registration for Returning Students
January 17	Friday	Interession Ends
January 20	Monday	Martin Luther King, Jr. Holiday - Administrative Offices and Library Closed
January 21	Tuesday	Classes Begin - Program Changes Without a Fee
January 23	Thursday	Last Day for Program Changes Without a Fee
January 27	Monday	Last Day to File Pass-Fail Course Request
February 17-18	Mon. - Tue.	Presidents' Day Holidays - no classes - administrative offices and library closed
March 7	Friday	Mid-Semester Grades Due in Registrar's Office
March 10-14	Inclusive	Spring Mid-Semester Recess
March 17	Monday	Classes Resume
April 7	Monday	Advisement for Summer and Fall 2003 begins
April 16 - 20	Inclusive	Easter Recess Begins - Administrative Offices and Library Closed
April 21	Monday	Registration for Summer and Fall 2003 begins
May 1	Wednesday	Last Day to File automatic withdrawal [W] grade
May 2	Friday	Last Day of Classes and registration for Fall 2003 ends
May 5 - 9	Inclusive	Final Examinations Week
May 12	Monday	Final Grades Due in the Registrar's Office
May 26	Monday	Memorial Day Holiday - Administrative Offices and Library Closed
TBA		Baccalaureate Mass
TBA		Commencement

Summer 2003

June 2	Monday	Summer Session 1 Begins
July 1	Tuesday	Summer Session 1 Ends
July 4	Friday	Independence Day Holiday - No Classes
July 7	Monday	Summer 1 Final Grades Due in the Registrar's Office
July 7	Monday	Summer Session 2 Begins
August 5	Tuesday	Summer Session 2 Ends
August 11	Monday	Summer 2 Final Grades Due in the Registrar's Office
August 25	Monday	Late Registration for Returning Students for Fall 2003

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Directions to St. Francis College

180 Remsen Street (between Court and Clinton Streets)



By Subway

Within 2 blocks of the campus are all major subway and bus lines from and to all boroughs of New York City. 2 or 3 (7th Avenue Express) and 4 or 5 (Lexington Ave) lines to Borough Hall.

A, C, or F trains to Jay Street / Borough Hall.

M, N, or R to Court / Montague.

D, B, or Q trains to Delafair Avenue. Transfer to M, N, or R trains, go two stops to Court Street / Montague Street.

By Bus

Bus Routes B-25, B-26, B-37, B-38, B-41, B-45, B-51, B-52 or B-67 to Court Street / Borough Hall area. From Staten Island No. S-53 bus to 99th Street and Fourth Avenue in Brooklyn or No. S-79 to 86th Street and Fourth Avenue in Brooklyn; change to R train to Court Street / Montague Street.

By Long Island Railroad

To Flatbush Avenue Terminal take the Manhattan-bound 2, 3, 4, or 5 train at adjacent subway station (Atlantic Avenue), ride subway two stops to Borough Hall.

By Car

From Manhattan's Brooklyn Bridge to Cadman Plaza West exit. Turn left. After several blocks, Cadman Plaza becomes Court Street.

From Queens' Brooklyn - Queens Expressway (BQE) to Cadman Plaza exit. Turn right. Turn as above.

Municipal parking is available on Atlantic Avenue, off Court Street.

