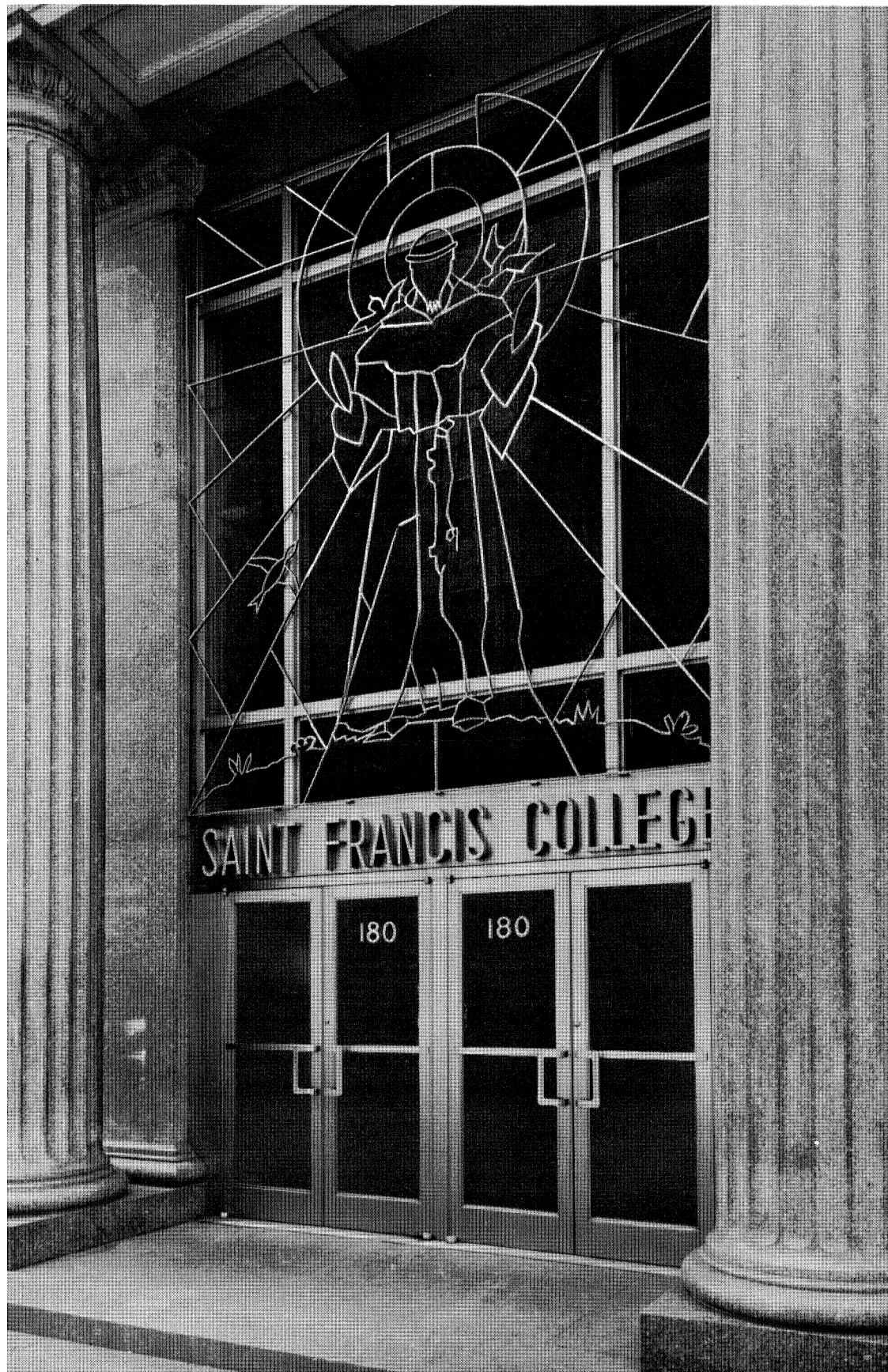


# St. Francis College

*conducted by the*  
CONGREGATION  
OF THE  
RELIGIOUS BROTHERS  
of the  
REGULAR  
THIRD ORDER  
OF ST. FRANCIS  
(Franciscan Brothers)  
BROOKLYN CIVIC CENTER  
180 Remsen Street  
Brooklyn, New York, 11201

1969  
1970



# Offices

Telephone JACKSON 2-2300

Communications should be addressed to the proper office as indicated below:

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Expansion & Development	<i>Director of Development</i>
Academic Matters	<i>Academic Dean</i>
Discipline	<i>Dean of Students</i>
Applications, Admissions	<i>Director of Admissions</i>
Continuing Education	<i>Dean of Continuing Education</i>
Financial Aid	<i>Director of Financial Aid</i>
Transcripts and Records	<i>Registrar</i>
Business Matters	<i>Treasurer</i>
Student Affairs	<i>Director of Student Activities</i>
Placement Service	<i>Director of Placement</i>
Communications Media, Alumni	<i>Director of Public Information</i>

*Visitors to the campus are welcome. For interviews with the administrative staff or faculty members it is suggested that appointments be made in advance.*

# Table of Contents

Academic Calendar	5
Board of Trustees	6
Council of Regents	8
Officers of Administration	9
Faculty	10
Committees of the Faculty	16
General Information	19
Admission of Students	23
Fees	26
Financial Aid	28
Student Services	33
Academic Regulations	42
Requirements for Degrees	47
Divisional Organization	50
Courses of Instruction	65
Alumni Association	100
Index	103

# Academic Calendar

01/28/69

SPRING '69

## FALL SEMESTER 1969

Sept. 9-10	Tues.-Wed.	Orientation and registration of Day Freshmen and Transfers.
Sept. 11	Thursday	Registration (Sophomores to Seniors who did not register by mail): Day Students 2:00-5:00 P.M. Evening Students 6:00-8:00 P.M.
Sept. 13	Saturday	Orientation and registration of Evening Freshmen and Transfers.
Sept. 15	Monday	Classes begin.
Sept. 16	Tuesday	Last day for free program changes.
Sept. 19	Friday	Mass of the Holy Spirit.
Sept. 20	Saturday	Last day for adding courses.
Sept. 26	Friday	Last day for Juniors and Seniors to file "Pass-Fail Course Requests."
Oct. 1	Wednesday	Last day for Seniors to file "Application for Degree Cards."
Oct. 20-28	Mon.-Tues.	Pre-registration for Spring Semester—Day Students.
Nov. 1	Saturday	Feast of All Saints—no classes.
Nov. 3	Monday	Mid-term grades due.
Nov. 4	Tuesday	Election Day—no classes.
Nov. 5-11	Wed.-Tues.	Pre-registration for Spring Semester—Evening Students.
Nov. 26	Wednesday	Thanksgiving Recess begins after last class.
Dec. 1	Monday	Classes resume.
Dec. 8	Monday	Feast of Immaculate Conception—no classes.
Dec. 13	Saturday	Christmas Recess begins after last class.
Jan. 3	Saturday	Classes resume.
Jan. 9	Friday	Last day for mail registration.
Jan. 10	Saturday	Last day of classes.
Jan. 12-21	Mon.-Wed.	Final examinations.

5

## SPRING SEMESTER 1970

Jan. 24	Saturday	Registration of New Students.
Jan. 26	Monday	Registration and Program changes: Day Students 2:00-5:00 P.M. Evening Students 6:00-8:00 P.M.
Jan. 27	Tuesday	Classes begin.
Jan. 28	Wednesday	Last day for free program changes.
Jan. 31	Saturday	Last day for adding courses.
Feb. 9	Monday	Last day for Juniors and Seniors to file "Pass-Fail Course Requests."
Feb. 12	Thursday	Lincoln's Birthday—no classes.
Mar. 16	Monday	Mid-term grades due.
Mar. 16-20	Mon.-Fri.	Pre-registration for Fall Semester—Day Students.
Mar. 21	Saturday	Easter Recess begins after last class.
Apr. 6	Monday	Classes resume.
Apr. 8-14	Wed.-Tues.	Pre-registration for Fall Semester—Evening Students.
May 7	Thursday	Feast of Ascension—no classes.
May 16	Saturday	Last day of classes.
May 18-27	Mon.-Wed.	Final examinations.
May 31	Sunday	Baccalaureate Services.
June 6	Saturday	Commencement.

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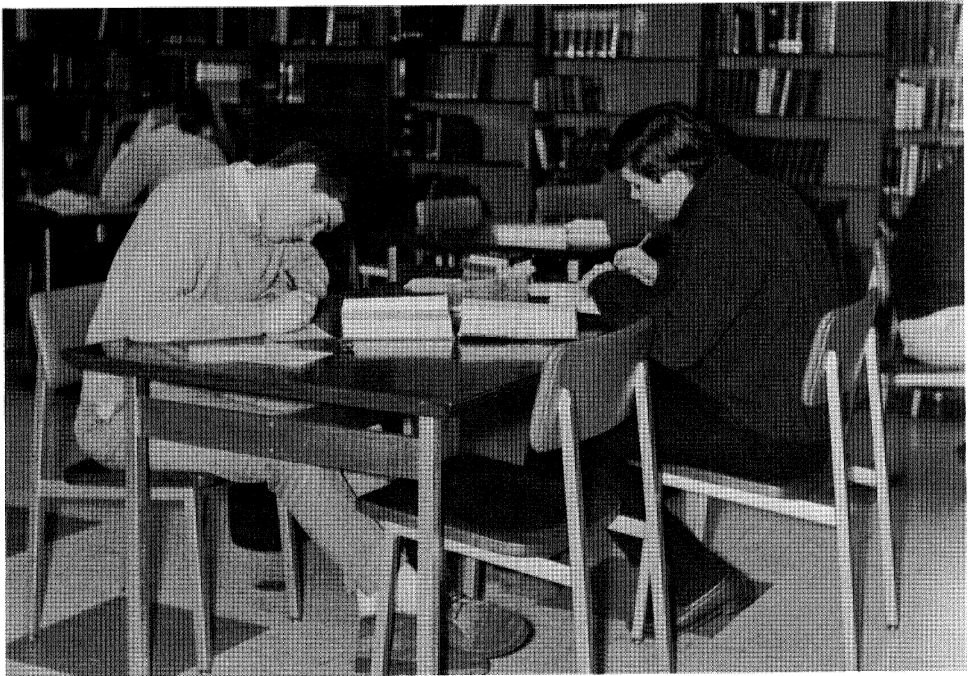
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- WALTER A. MEYER *Graduate School Counselor*  
 B.A., The City College of New York;  
 M.A., New York University
- BENSON P. PENA *Guidance Center*  
 Ph.L., Immaculate Conception Seminary; Ph.B., University  
 of Santo Tomas; M.A., University of Notre Dame;  
 M.Ed., Gonzaga University
- BROTHER JOHN M. SULLIVAN, O.S.F. *Library Assistant*  
 B.S. Ed., Fordham University; M.A., St. John's University
- \*EUGENE F. SWANZEY *Assistant to the Director of Admissions*  
 B.A., St. Francis College
- PATRICK J. TUFANO *Mental Health Consultant*  
 B.A., St. Francis College; M.S.S., Fordham University

† Pax Et Bonum Medal for 15 or more years on Faculty

\* Leave of Absence

# Committees of The Faculty

**ACADEMIC STANDARDS COMMITTEE:** formulates and recommends policy concerning academic standing, grading, attendance, honors programs, requirements for graduation, and separation from the College for academic reasons; and acts as a board of review in all cases concerned with academic standing.

PROFESSOR THOMAS QUIGLEY, *Chairman*; PROFESSOR JOSEPH CARPINO; BROTHER COSMAS HERLIHY, O.S.F.; PROFESSOR MICHAEL KIRBY; PROFESSOR STEPHEN MASSE.

**ADMISSIONS COMMITTEE:** recommends policies and standards for admission; and passes upon the records of applicants referred to it.

MR. WILLIAM E. SPENCER, *Chairman*; PROFESSOR JOHN BURKE; PROFESSOR JOHN CLIFFORD; BROTHER HENRY CUDDY, O.S.F.; PROFESSOR JAMES FLYNN; BROTHER GERALD GILMARTIN, O.S.F.; BROTHER FRANCIS MCHUGH, O.S.F.; PROFESSOR ERNEST PETRUCELLI; BROTHER DAVID TRAPP, O.S.F.

**ATHLETIC POLICY COMMITTEE:** formulates and recommends policies for the control of intercollegiate and intramural athletics in accordance with the aims and objectives of the College; advises the President on the appointment of coaches and moderators of intercollegiate sports; and approves schedules, athletic awards, and other matters pertaining to athletics.

BROTHER DAVID TRAPP, O.S.F., *Chairman*; MR. JAMES CORRIGAN; PROFESSOR DONALD KENNELLY; BROTHER EDWARD KENT, O.S.F. PROFESSOR DANIEL LYNCH; BROTHER ROGER NAGLE, O.S.F.

**CURRICULUM COMMITTEE:** makes a continuing study of the nature and extent of the courses offered; makes such revisions in the curriculum as are consistent with the aims and objectives of the College; and recommends the establishment of new curriculums.

BROTHER HENRY CUDDY, O.S.F., *Chairman*; PROFESSOR JOHN BURKE; BROTHER CAMILLUS CASEY, O.S.F.; PROFESSOR JAMES FLYNN; BROTHER AUSTIN GILL, O.S.F.; PROFESSOR ARTHUR HUGHES; BROTHER PASCAL KELLY, O.S.F.; PROFESSOR JOSEPH LAZZARA; BROTHER FRANCIS MCHUGH, O.S.F.; PROFESSOR CHARLES SAVAGE; PROFESSOR CHARLES SCHWARTZ; PROFESSOR FRANCIS SLADE.

**FACULTY INTERESTS COMMITTEE:** recommends policies for improving faculty and professional staff members. They shall include policies for orientation, salaries, appointments, promotions, rank, tenure, professional growth, and leaves of absences.

PROFESSOR NICHOLAS FIORENZA, *Chairman*; PROFESSOR ARTHUR HUGHES; PROFESSOR NINO LANGIULLI; BROTHER LEO QUINN, O.S.F.; PROFESSOR JOHN SEXTON; PROFESSOR JOSEPH SCHNEIDER.



**LIBRARY COMMITTEE:** formulates policies and procedures relating to the library; seeks means of enriching the library's holdings in books, periodicals, and audio-visual aids; and promotes extensive use of the library for study and research on the part of both students and faculty.

PROFESSOR JOSEPH MARTORANO, *Chairman*; PROFESSOR JORGES ANDRES; DR. THOMAS BAIRD; MR. RAYMOND BERGEN; BROTHER WILLIAM DENNEN, O.S.F.; PROFESSOR ALEXANDER DOSKA; BROTHER LAWRENCE DROWNE, O.S.F.; PROFESSOR JOSEPH FORD; PROFESSOR GERALD GALGAN; MR. BRIAN GRIFFIN; PROFESSOR EUGENE MCCOY; PROFESSOR EDNA O'HERN; PROFESSOR JAMES PERRONE; PROFESSOR THOMAS QUIGLEY; PROFESSOR JULIUS SHAIN; PROFESSOR NICHOLAS SPADACCINI; PROFESSOR RICHARD WALL.

**PENSION COMMITTEE:** reviews the administration of the pension plan.

PROFESSOR CHARLES SAVAGE, *Chairman*; PROFESSOR JOHN BURKE; PROFESSOR JAMES FLYNN; PROFESSOR DANIEL LYNCH; MR. EDMOND MURPHY; BROTHER ROGER NAGLE, O.S.F.

**PROFESSIONAL STANDARDS COMMITTEE:** formulates and recommends a statement of professional standards; conducts hearings for faculty and professional staff members seeking redress of grievances and recommends appropriate action; and investigates charges against members of the faculty and professional staff and recommends appropriate action.

BROTHER SIMEON RYAN, O.S.F., *Chairman*; PROFESSOR NICHOLAS FIORENZA; PROFESSOR MICHAEL KIRBY; PROFESSOR NINO LANGIULLI; PROFESSOR CHARLES SCHWARTZ.

**RESEARCH COMMITTEE:** formulates and recommends policies concerning faculty research.

PROFESSOR THOMAS QUIGLEY, *Chairman*; PROFESSOR JOSEPH FORD; PROFESSOR ARTHUR KAPLAN; PROFESSOR NINO LANGIULLI; PROFESSOR JOSEPH MARTORANO; BROTHER ROGER NAGLE, O.S.F.; PROFESSOR CHARLES SCHWARTZ.

**SCHOLARSHIPS AND GRANTS-IN-AID COMMITTEE:** recommends policies concerning scholarships and grants-in-aid; passes upon all applications for scholarships and grants-in-aid; makes awards in accordance with established policies; and makes a semi-annual examination of the records of the holders of scholarships and grants-in-aid and recommends continuance or discontinuance of such aid. BROTHER ALFRED BONANZA, O.S.F., *Chairman*; PROFESSOR FRANK CARICATO; PROFESSOR MICHAEL CASEY; BROTHER GERALD GILMARTIN, O.S.F.; PROFESSOR EDNA O'HERN; MR. WILLIAM SPENCER; BROTHER LABRE TALLMAN, O.S.F.

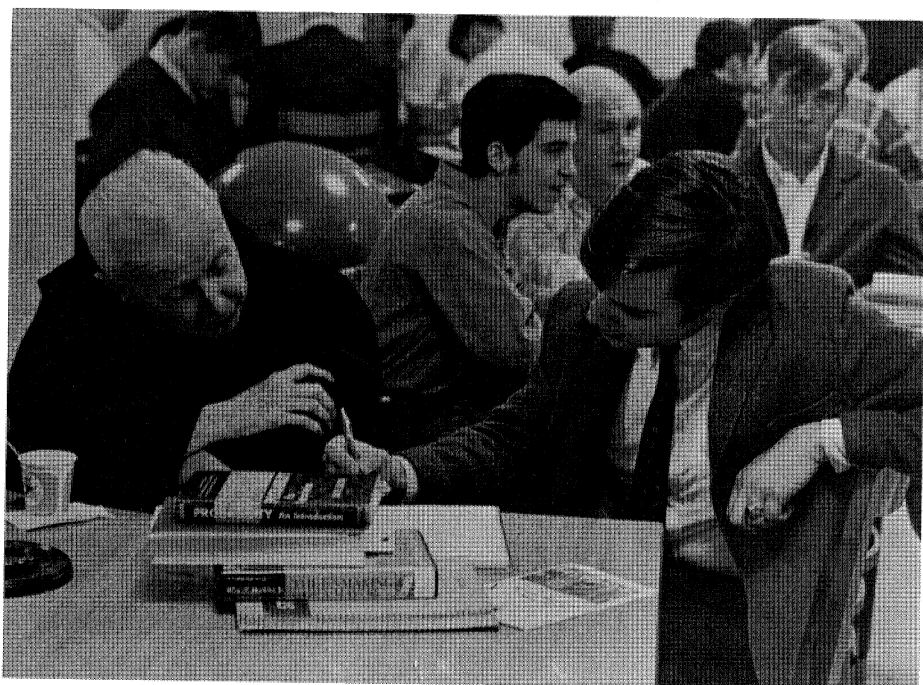
**STATUTES COMMITTEE:** makes a constant review of the statutes; and recommends changes in the Statutes which it deems advisable, submitting such recommended changes to the faculty assembly for approval before transmitting them to the President.

PROFESSOR ROBERT FOX, *Chairman*; BROTHER CAMILLUS CASEY, O.S.F.; PROFESSOR JOSEPH FORD; BROTHER PASCAL KELLY, O.S.F.; PROFESSOR JOSEPH MARTORANO; PROFESSOR RICHARD WALL.

**STUDENT ACTIVITIES COMMITTEE:** supervises the policies determined by the Student Government; establishes policies for the regulation and improvement of the clubs and fraternities of the College; and gives final approval to the distribution of awards other than academic and athletic.

PROFESSOR JOHN CLIFFORD; PROFESSOR NICHOLAS FIORENZA; BROTHER CHRISTOPHER LANGAN, O.S.F.; PROFESSOR NINO LANGIULLI; PROFESSOR LOUIS PARLATO; MR. DAVID WALKER; MR. JOHN IANNITTO (President of Student Government.)

**STUDENT DISCIPLINE COMMITTEE:** recommends policies concerning the conduct of the student body; and acts as a board of review in disciplinary cases referred to it by the Dean of Students. PROFESSOR THOMAS O'BRIEN, *Chairman*; PROFESSOR GEORGE BUSH; PROFESSOR EDWARD SETRAKIAN; PROFESSOR EDGAR TASCHDJIAN; BROTHER GILES TURBEE, O.S.F.; BROTHER ANDREW WALSH, O.S.F.



# General Information

## HISTORY AND GOVERNMENT OF THE COLLEGE

In the early part of 1858, the Right Reverend John Loughlin, first Bishop of Brooklyn, invited the Irish Congregation of the Franciscan Brothers to undertake the education of boys in his Diocese. On September 16, 1858, the Brothers purchased a building at 300 Baltic Street, and in the fall of 1859 opened the first classes of St. Francis Academy, in which the college had its origin. In 1868 additional property adjoining St. Francis Academy was purchased and a wing added to the original foundation containing additional class rooms, a chapel, and accommodations for boarding students. On June 2, 1868, the original foundation under the title of The St. Francis Monastery of the City of Brooklyn was incorporated.

On May 8, 1884, the Trustees of The St. Francis Monastery were empowered "to establish a literary college in the City of Brooklyn under the title of St. Francis College, and appoint as trustees of said college twelve persons of full age, citizens of the United States, and of the State of New York, whom it desires to manage and direct the said college, and their successors in office shall have power to make such by-laws as they shall deem proper for the management of said college, and to prescribe the course of study and discipline to be pursued and observed by the students attending the same, and under the title of the trustees of St. Francis College shall have the same power to confer diplomas, literary honors and degrees as it possessed by the universities and colleges of the State." The College thus became a function of The St. Francis Monastery.

The Bachelor of Arts degree in course was conferred for the first time in June, 1885. In 1891, the Board of Regents approved the Bachelor of Science curriculum, and the Bachelor of Science degree

was conferred for the first time in June, 1892. The Bachelor of Business Administration degree was conferred for the first time in June, 1956.

In 1912, the College discontinued accepting boarding students to meet the needs of expansion. The living quarters of the students were remodeled to include additional science laboratories, a library, and lecture rooms. The need for more accommodating facilities and a modern building became urgent, and in 1923 the Brothers appealed to the people of Brooklyn to meet the demand. The College building formerly at 35 Butler Street (erected in 1926) was the result of this appeal. The College became a separate legal corporate entity under Charter issued by the Regents of the University of the State of New York on April 10, 1957. In 1960, several buildings were purchased on Remsen Street in the new Brooklyn Civic Center. In the Fall of 1968, two additional buildings were opened. One building increased the student union facilities, faculty offices, and faculty residence facilities. The other building houses the science facilities and additional classrooms.

## LOCATION

St. Francis College is centrally located in the Borough Hall section of Brooklyn and is therefore easily accessible from all parts of the Metropolitan Area. The campus is located at 180 Remsen Street in fashionable Brooklyn Heights, a section declared an historic landmark by the Department of the Interior and the City of New York.

## GENERAL OBJECTIVES

As a result of its history, location, and sponsorship, St. Francis College is concerned with the liberal education of students in the Metropolitan Area. By virtue of its Franciscan religious and cultural traditions, the College is committed to principles of Christian thought and education. The College regards as its primary function the systematic introduction of qualified students to the larger world of the mind. To provide a setting for such larger awareness the College offers pre-professional and pre-graduate training in the arts, the sciences, and business.

## MEMBERSHIP AND AFFILIATIONS

St. Francis College is chartered by the Legislature of the State of New York; is accredited by the Regents of the University of the State of New York and the Middle States Association of Colleges and Secondary Schools; is a member of the National Catholic Education Association, the Conference of the Catholic Colleges of New York State, the Association of the Colleges and Universities of the State of New York, the Association of American Colleges, the Council of Higher Educational Institutions in New York City, the Franciscan Educational Conference, the Commission on Christian Higher Education, and the National Commission on Accrediting.

## LIBRARY

Seventy thousand volumes comprise the working nucleus of the College library. There are substantial increases each year through a large budget appropriation and the contributions of the Alumni and friends of the College. More than six hundred periodicals are received currently. Also accessible are stacks of bound and unbound periodicals and pamphlets together with various Government publications. The library is richly supplemented by the facilities of the libraries of the Metropolitan Area.

## LABORATORIES

The new science building offers expanded opportunity for laboratory work in the physical sciences. In addition to the eleven physical science laboratories designed for the student's course work there are numerous specialized laboratories that offer students and faculty the opportunity for research in areas both within and beyond those normally required as course work.

## SPECIAL PROGRAMS

*The Division of Continuing Education* has been founded for the purpose of enabling every segment of the community to share in the Saint Francis experience. Open to men and women, this multi-faceted division of the college provides opportunities for human growth and enrichment through a wide spectrum of courses and programs. Within this Division, students may complete courses leading ultimately to the baccalaureate degree or, if they so choose, to the two-year or associate degree. In addition, certificates of completion are offered in the areas of computer science, library science, educational technology, health science, and a host of pre-professional, in-service and vocational areas.

*Cooperative Program with St. Joseph's College for Women*—In cooperation with St. Joseph's College for Women, St. Francis College students may avail themselves of course offerings at St. Joseph's College. Students should consult with their advisor and respective department heads before registering for such courses. Courses taken at St. Joseph's College will be included in the student's cumulative index.

*Federal Intern Program* — In cooperation with the Board of Higher Education of the City of New York, St. Francis College is a participating institution in the selection and supervision of students interested in the public service as a potential career. Opportunities are given to juniors to apply for the internship, which is full-time during the summer and part-time during the academic year. Interns are granted credit toward their baccalaureate degrees and receive \$400 for the eight weeks of the summer program and a stipend, depending upon need, for their senior year. For complete information, juniors should contact

the Director of Placement.

*Accounting internship* programs are available to selected students. They are designed to provide guided practical experience in both industrial and public accounting.

*Computer Program*—St. Francis College has acquired the new IBM 1130 computer facility. Although primarily intended for mathematical and scientific uses, the IBM 1130 lends itself to many other applications. Students who have had the courses in electronic data processing and students engaged in directed research in science, mathematics, or business will have hands-on operation of the facility to test their programs and to perform the mathematical, scientific, and business applications they desire.

*Junior Year Abroad*—At the end of the sophomore year, qualified students may elect to take advantage of a year of foreign study and apply this work toward the degree requirements of St. Francis College. No special course of study is provided by the College. The student may select a course and place of study from among the many programs available through the various international education agencies, such as the Institute of European Studies, The International Educational Exchange Service, The Inter-American Studies Program (sponsored by the United States Government) or programs conducted by other recognized educational institutions. Students entering this program should seek the advice of the Faculty Advisor for Foreign Studies and have the program approved by the Academic Dean.

*The Institute of Theology* for Teachers of Religion awards a certificate in recognition of the successful completion of a minimum of twenty-one credits in Theology. Students who are teaching religion or are interested in teaching religion are eligible to participate. It is believed that such a program will enable teachers to be aware of the constant development in the field of religious education particularly as it affects them in their own catechetical experiences. The implications of the documents of Vatican II are thoroughly explored. Insights into contemporary Theology are used to provide a base for catechetical relevance.

*The Visiting Student Program*—St. Francis College participates in this program organized by the Member Colleges of the Association of Colleges and Universities of The State of New York. Under this program a student may maintain matriculation at one College and attend another College for a semester or a full year. It is hoped that a student will select a College that may have some special studies of interest to the student and not available at the home institution and thus enlarge his educational opportunities and objectives. Application for this program should be made to the office of the Academic Dean.

# Admission of Students

## ADMISSION TO THE FRESHMAN CLASS

It is the policy of St. Francis College to admit as matriculated students only those applicants who present evidence that they can successfully pursue courses leading to a degree. No qualified applicant will be refused admission because of race, creed, or color.

A student who desires admission to the Freshman Class should apply to the Director of Admissions for an official application blank. He should fill in the information required and return it to the Director of Admissions. He should request his secondary school principal or his representative to forward a record of high school grades to the Director of Admissions on an approved transcript form. Application for admission should be made as soon as possible in the senior year of high school or at the end of junior year on the Early Acceptance plan.

For admission, an applicant must: 1) be a graduate of an approved secondary school; 2) present evidence of satisfactory standing in his high school class and successful completion of required courses; 3) furnish a recommendation from his secondary school principal, or his representative, as to character, personality and promise; 4) report for an interview with the Director of Admissions, or his representative, when required; 5) furnish a certificate of good health from his family doctor; 6) present sixteen acceptable units as follows:

English, four years

4 units

The remaining twelve units are to include a three-year sequence and a two-year sequence and are to be made up of the following academic programs of study: Foreign Language, Mathematics, Science, Social Studies, and Business. Applicants for the Bachelor of Science program must have completed Eleventh Year Mathematics or its equivalent.

12 units

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16 units

## ENTRANCE EXAMINATIONS

Applicants for the day session are required to take the Scholastic Aptitude Test (morning section) of the College Entrance Examination Board and have the results sent to St. Francis College. A Bulletin of Information containing procedures for filing applications, a list of examination centers, and test dates may be obtained by writing to: College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey 08540. Applicants for the evening session who because of employment or other circumstances have not taken the Scholastic Aptitude Test will be given a special entrance examination at the College.

The College is more interested in the applicant's potential to succeed in college than in any prescribed pattern of entrance units. Where the preparation differs from the stated requirements, the record will be studied carefully by the Committee on Admissions for evidence of unusual aptitude, especially in those studies which are prerequisite for the curriculum the applicant wishes to pursue.

## ADMISSION WITH ADVANCED STANDING

A student who has attended another college or university must present an official transcript of credits showing courses and grades, a marked catalogue of the institution or institutions attended, indicating the courses for which he seeks credit, and a statement from an administrative officer that he has been honorably dismissed. He must fill out the required application and have his secondary school record forwarded. Credit will be allowed only for courses appropriate to the curriculum chosen at St. Francis College.

The decision to admit to advanced standing and the determination of the amount and quality of transfer credit to be allowed rest with the Director of Admissions. Credit will not be allowed for any transfer course unless the grade received is considered equivalent to or higher than the St. Francis grade of C.

## ADVANCED PLACEMENT

A student may qualify for advanced placement by presenting evidence of having completed a collegiate-level course in high school in the form of an acceptable score in the Advanced Placement Test of the College Entrance Examination Board. All communication regarding advanced placement should be addressed to the Director of Admissions. Information regarding the Advanced Placement Tests may be obtained from Educational Testing Service, Box 592, Princeton, New Jersey 08540.

## CLASSIFICATION OF STUDENTS

*A matriculated or regular student* is one who has fulfilled the matriculation requirements and is pursuing a degree program.

*A transfer student* is one who has withdrawn from a college or university and has been admitted to St. Francis College to pursue courses leading to a degree.



*A transient student* is one regularly enrolled in another college or university whose work at St. Francis College is to be transferred to the college or university in which he is regularly enrolled.

*A special student* is a student of mature age who does not wish to complete a regular course of study. He may be admitted with the consent of the Academic Dean; he must, however, submit credentials covering all preparatory work and, if admitted, may pursue only such studies as his qualifications permit.

Regular college students are classified on the basis of achievement as follows:

#### LOWER DIVISION:

Freshmen — those who have fewer than 30 credit hours.

Sophomores — those who have earned 30 credit hours.

#### UPPER DIVISION:

Juniors — those who have earned 60 credit hours.

Seniors — those who have earned 90 credit hours.

The work in the lower division comprises the basic studies intended to lay the foundation for the more advanced work of the upper division. The work of the upper division involves the comprehensive grasp of a field of study which will contribute to the special interest of the student, together with a knowledge of other fields, thus giving purpose and unity to the whole college program.

### DAY AND EVENING STUDENTS

No distinction is made between Day and Evening Students. They are subject to the same academic regulations and must maintain the same academic standards, except that the Health Education requirement does not apply to evening students.

# Fees

26

St. Francis College

The Trustees of St. Francis College exert every effort to keep the tuition costs as low as possibly consistent with sound educational policy. It is their intention to eliminate the necessity for a student to seek, during the year, regular employment, which might handicap his education. The Trustees reserve the right to make changes in fees when necessary.

## REGULAR FEES

APPLICATION FEE	\$10.00
PRE-REGISTRATION FEE	50.00
This fee is not refundable. It will, however, be credited towards tuition.	
MATRICULATION FEE	10.00
This fee is payable only once and is not refundable.	
TUITION, PER CREDIT HOUR	50.00
For students who were attending St. Francis College before May 1, 1969, and who have continued to be in attendance since that date.	
	45.00
RELIGIOUS TUITION, PER CREDIT HOUR	50.00
For religious who were attending St. Francis College before May 1, 1969, and who have continued to be in attendance since that date.	
	22.50
COLLEGE FEE FOR DAY SESSION	35.00
This fee includes registration, library, student activities, student publications (including Yearbook), student government activities, and student services.	
COLLEGE FEE, EVENING AND SUMMER SESSION	10.00

## SPECIAL FEES

LABORATORY FEE, FOR SCIENCE COURSE (per semester)	\$25.00
LATE PRE-REGISTRATION AND REGISTRATION FEE	10.00
CHANGE OF PROGRAM FEE	5.00
SPECIAL EXAMINATION FEE	5.00
GRADUATION FEE	25.00
TRANSCRIPT FEE	2.00
For students at St. Francis	
	1.00
MAINTENANCE OF MATRICULATION FEE	5.00

## PAYMENT PROCEDURE

All charges for tuition and fees are payable at registration day.

All payments must be by checks or money order made payable to St. Francis College. Cash will not be accepted.

For those parents or students who prefer a time-payment plan, the following is offered:

1. A deposit of \$200.00 at registration. Registration cannot be completed until this payment has been made. The pre-registration fee may not be considered part of this payment.

2. The remaining account to be paid in two equal installments due during the last weeks of October and November. In the spring semester, the payments are due during the last weeks of March and April.

3. A carrying charge of 4% of the unpaid balance of tuition and fees will be added for the use of the time-payment plan.

Students who do not adhere to the payment procedure will lose the privilege of installment payments, and will be barred from classes and from final examinations. A transcript of a student's record will not be issued by the Registrar's Office until a student's financial obligations to the College have been paid.

A student is liable for all charges for courses for which he registers. If there is a change in the original registration during the first week of classes, such a change must be approved by the Registrar and reported to the Treasurer. Failure to comply with this procedure will hold the student liable for charges for all courses for which he originally registered.

No candidate will be considered for a degree until all required fees have been paid.

## REFUNDS

When a student finds it necessary to withdraw from the College, he will file notice with the Registrar and the Treasurer on an official form furnished by the Registrar. The amount to be refunded will be determined from the date the official withdrawal form has been completed and filed with the Registrar. A proportionate refund of tuition only is made according to the following schedule:

Withdrawal during the first 2 weeks of term	80%
Withdrawal during 3rd week of term	60%
Withdrawal during 4th week of term	40%
Withdrawal during 5th week of term	20%
Withdrawal after 5th week of term	no refund

In no case will a refund be made to a student who is dismissed or who withdraws while he is under disciplinary action.

No refund will be granted for a particular course discontinued by a student after the first week of classes.

# Financial Aid

In the Franciscan tradition, St. Francis College is interested in granting financial assistance to students who, without such aid, would be unable to attend the college. Financial assistance consists of scholarships, grants, loans, and employment which may be offered to students singly or in various combinations. Incurring any major disciplinary penalty may result in withdrawal of financial aid. Withdrawal from the college automatically terminates the scholarship or other aid.

## COMPETITIVE SCHOLARSHIPS

Awards ranging in value to full tuition for four years are available to applicants on a competitive basis. Need is always a factor in determining the amount of an award. Scholarship holders must maintain an index of 2.0 at the end of the Freshman year, 2.5 at the end of the Sophomore year and 3.0 at the end of the Junior year.

## QUALIFICATIONS

1. Exceptional academic achievement evidenced by previous school record.
2. Exceptional academic potential. This must be evidenced by scores on the Scholastic Aptitude Test of the College Entrance Examination Board, the English Composition Test, and two other achievement tests.
3. An unqualified recommendation by the high school principal or guidance counselor.

## CANDIDATES FOR SCHOLARSHIPS MUST:

1. File an application for admission to St. Francis College.
2. Take the necessary College Entrance Examination Board Tests and have the scores sent to St. Francis College.
3. Complete the "Parents Confidential Statement" of the College Scholarship Service and have a copy forwarded by them to St. Francis College. Copies of the form may be obtained from the high school guidance counselor or from the College Scholarship Service, Box 176, Princeton, New Jersey, 08540.
4. File all required forms by February 15th for scholarships for the following academic year.

## SPECIAL 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. This scholarship is restricted to residents of the Diocese of Brooklyn and Rockville Centre.

*The Right Reverend Msgr. 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. This scholarship is restricted to residents of the Diocese of Brooklyn and Rockville Centre.

*The Right Reverend Msgr. Daniel U. Hanrahan Scholarship.* This scholarship is named for a distinguished alumnus of St. Francis College, and is restricted to residents of Sacred Heart Parish, Cambria Heights, New York.

*The Police Department Scholarship.* Each year St. Francis College makes available a scholarship to a member of the New York City Police Department.

*The Brother Austin Sullivan, O.S.F. Memorial Scholarship.* Established by the friends of Brother Austin Sullivan, O.S.F., this scholarship is restricted to a graduate of St. Francis Preparatory School.

*The Brother Jerome Roesse O.S.F. Memorial Scholarship.* Established in memory of a former president of St. Francis College, this scholarship is restricted to students from St. Vincent's Home, Brooklyn, New York.

*Kings County Chapter, Catholic War Veterans Scholarship.* This scholarship is restricted to a member or son of a member of the Kings County Catholic War Veterans.

*Leadership Scholarships.* This award, established to help students receive the education necessary for responsible community leadership, is restricted to students of Puerto Rican or Negro extraction. In addition to the usual scholarship requirements, an applicant for this scholarship must furnish a letter of recommendation attesting to his capabilities for responsible leadership in the community.

*The Catholic Accountants Guild Scholarship.* This scholarship is restricted to accounting students in the senior class.

## GRANTS-IN-AID

A limited amount of money is available to assist needy and deserving students. These grants-in-aid are distinguished from scholarships in that they are based on extreme need. A student receiving a grant-in-aid from St. Francis College must maintain the quality point index required of his class. These grants are for one academic year only, but may be renewed upon application.

Students applying for a college grant-in-aid should complete the application form and return it to: Director of Financial Aid, St. Francis College, 180 Remsen Street, Brooklyn, New York, 11201. A copy of the "Parents Confidential Statement" must be completed and sent to

the College Scholarship Service, Box 176, Princeton, New Jersey, 08540, with instructions to forward a copy to St. Francis College. Complete application must be submitted by April 15th of the academic year preceding that for which aid is requested.

## EDUCATIONAL OPPORTUNITY GRANTS

The Higher Education Act of 1965 authorized the use of federal money to assist college students with exceptional financial need. These educational opportunity grants will be available to a limited number of students. They range from \$200 to \$1,000 a year and can be no more than one-half of the total assistance given the student. The exact amount of the grant will depend upon the demonstrated need. They are given for one year, but are renewable annually. A new application and statement of finances is required for renewal.

## COLLEGE WORK-STUDY

Under a grant from the Federal Department of Health, Education, and Welfare, St. Francis College is able to offer employment to students with financial need. The college and the federal government contribute funds for this program. The College work-study program provides employment in various departments of the college and also "off campus" employment with governmental and social service agencies in the Metropolitan Area. Interested students should contact the Director of Financial Aid at the college.

## STUDENT LOANS

### NATIONAL DEFENSE STUDENT LOANS

The National Defense Education Act of 1958 provides for the establishment of long-term low interest loans to college students in financial need. Both St. Francis College and the Federal Government contribute funds to the loan program. Preference is given to students in teacher training, science, mathematics, and foreign language programs. To qualify for a National Defense Student Loan, the applicant must be in good standing or be accepted for admission and demonstrate financial need. An application may be obtained by writing to the Director of Financial Aid, St. Francis College, 180 Remsen Street, Brooklyn, New York 11201.

### STATE LOAN PROGRAMS

The New York Legislature in 1957 created the New York Higher Education Assistance Corporation to administer a program of educational loans to deserving students. Students who are residents of states other than New York should consult their guidance counselors for information regarding the loan programs in their state.

### PRIVATE LOAN PROGRAMS

In addition to the Loan programs described above, a variety of privately sponsored loan and "deferred programs" are available to the St. Francis

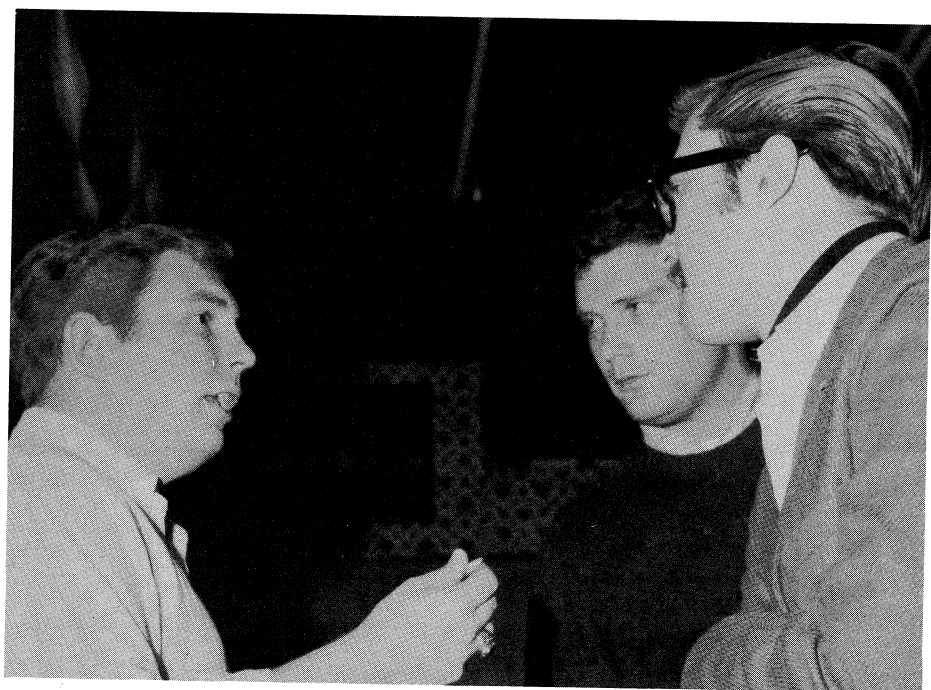
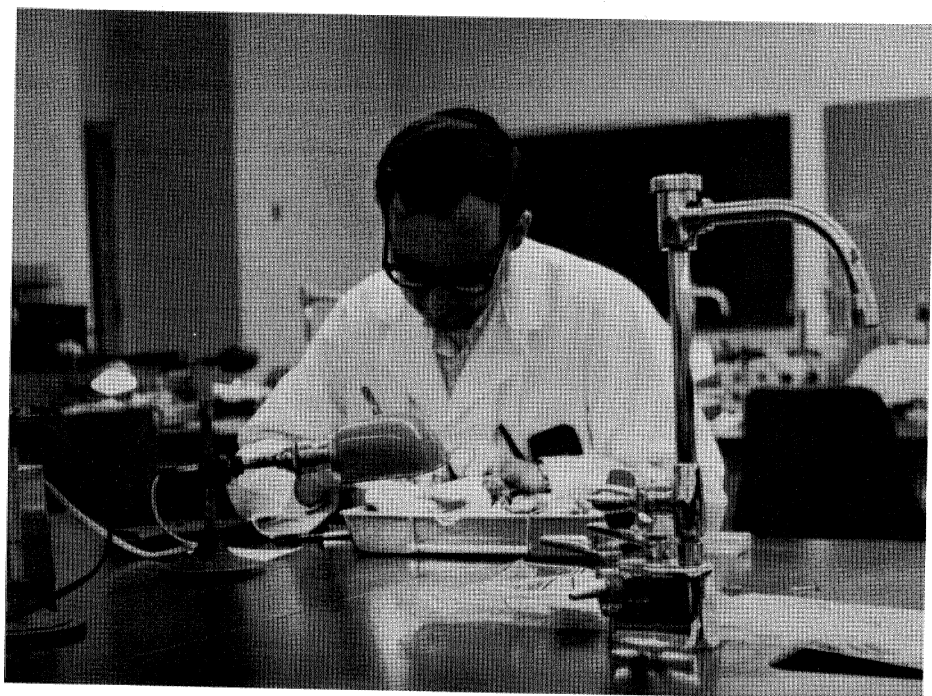
College student. These plans enable families to distribute the payment of all college expenses over the academic year and normally include life insurance coverage. Students may make use of the program of Educational Funds, Incorporated. Brochures describing in detail the program of this organization may be obtained by writing to the Treasurer, St. Francis College, 180 Remsen Street, Brooklyn, New York 11201.

### REGENTS SCHOLARSHIPS

Under this program more than 20,000 scholarships are offered to students entering colleges in New York State. Selection is based on the Regents Scholarship College Qualification Test administered in secondary schools during the Fall of senior year. Students should be certain to take this examination. In addition, special awards are available to children of deceased veterans. The amount of the award is based on need as determined by net income of the family. Provision is made should more than one student in the family be attending college. The applicant must be a resident of New York State, and the funds may be used in colleges in New York State only. Detailed information regarding this program may be obtained from the high school guidance counselor.

### SCHOLAR INCENTIVE AWARDS

In conjunction with the Regents Scholarships referred to immediately above, the Scholars Incentive Award Program allows students to receive a smaller award to be used for college costs. Requirements for this award are much less stringent than for the Regents Scholarship awards. Students qualify on the basis of their performance on the Regents Scholarship and College Qualification Test referred to above. Awards may be used in colleges in New York State only. Students should contact their high school guidance counsellor for information on this program.





# Student Services

Student Services at St. Francis College begin with pre-admission counseling and orientation of freshmen, and continue with vocational, educational, physical, and personal guidance, as well as student co-curricular activities, job placement, and follow-up. They are concerned with assisting the student in a successful adjustment to the College and life, spiritually, academically, socially, and emotionally.

## RELIGIOUS ACTIVITIES

Each year, as part of the religious program, at least one day is set aside for the study and discussion of pertinent religious and moral topics. All students are encouraged to attend. Students are urged to become members of the College Fraternity of the Third Order Secular of St. Francis and to consult with the College Chaplain, who is available daily for Mass, confessions, and spiritual counseling.

The Chaplain is available for religious vocational guidance, as well as Brother-faculty members. A Catholic action group, the Young Christian Students, exists for the training of Catholic lay leaders.

The College Chapel is available for use by the students; special exercises are held there as the liturgical season warrants. The College year always begins with the Mass of the Holy Spirit to ask God's blessings on the students' efforts.

## FRESHMAN ORIENTATION

A week of freshman orientation is held for each incoming class at the opening of the Fall semester. Its objectives are to welcome the new student to the College; to acquaint him with the rules and regulations of the institution, the members of the faculty, and the services offered; to offer initial advice relative to collegiate methods and problems; to familiarize him with extra-curricular activities; to establish definite relations between the students, faculty, and administration; to provide aptitude, achievement, and interest testing; and to begin with the student's initiation into the College. A course, "The Psychology of Personal Adjustment" is required.

## FACULTY ADVISORS

Faculty Advisors are appointed to assist the students in planning their courses of study and serve them in their academic life. Every student must have his courses approved by his advisor at the time of pre-

registration and at registration. Students have as advisor the head of the department of their major field of study. The advisors are available to students at the time of pre-registration and at registration for each semester and by appointment at other times in their respective faculty offices.

## GUIDANCE CENTER

The Guidance Center is a professional agency. In addition to counseling, the testing, reading, graduate scholarship, and placement programs are administered here. The Guidance Director works with the Administration, faculty advisors, and moderators to assist the collegian in satisfactorily accepting his challenges and responsibilities, and in solving his difficulties.

*A. Counseling:* In addition to the academic counseling offered by the Deans, Registrar, Director of Admissions, and faculty advisors, the professional counselors of the Guidance Center are available to counsel individual students. An "open-door" policy is followed in the Center so that the students may feel free to seek assistance. Appointments will be made at the student's convenience by the secretary in this office. All entering students will have at least one interview to discuss their personnel record cards and the results of freshman testing. Following the administration of the Graduate Record Examinations, students are requested to report for a personal interview for test interpretation.

It is left to the individual student to make as much use of this counseling service as he deems adequate, especially those having difficulty in adjusting to college, those anticipating unsatisfactory grades in various courses, those lacking adequate reading and study skills, those with emotional or personal problems which are interfering with college success, and those who are doubtful about plans concerning their educational or vocational future. Those who may have the talent to obtain graduate scholarships and fellowships may also wish to use the professional resources of the Guidance Center.

*B. Community Referrals:* When necessary, the Guidance Center will make referrals to appropriate community agencies which provide further financial, medical, or psychological aid. Students seeking to improve their speech habits are referred to the clinic, sponsored by the Speech Department, before an outside agency is recommended.

### *C. Guidance Center Course Offerings*

#### PSYCHOLOGY OF PERSONAL ADJUSTMENT

A survey of problems in development in late adolescence and early adulthood and of the nature of the college experience; review of the process of self-definition in vocational, educational, and personal-social terms; the meaning and nature of self-understanding and personal integration. The course consists of lectures, large group meetings, small

group discussions, assigned readings, films, and demonstrations. This course is required of all incoming freshmen and transfer students. No credit toward degree.

#### DEVELOPMENT OF READING AND STUDY SKILLS

A skills course in effective reading habits and efficient study techniques; general approach to intensive reading for study; techniques for mastering material in the several subject matter fields; lectures, demonstrations, and controlled reading through audiovisual devices. Two hours weekly; open to all students and the public. Tuition equivalent to two credit hours.

#### DEVELOPMENT OF CAREER PLANS

A series of informal conferences conducted biweekly by the director of placement counseling for second-semester juniors and first-semester seniors. Problems of locating and the evaluation of career opportunities; lines of promotion; continuing education for professional advancement; preparing career resumé; conducting the job campaign; dimensions of vocational success. Meets every other week; enrollment open to juniors and seniors on a voluntary basis. No fee and no credit.

#### EDUCATIONAL PLANNING FOR GRADUATE STUDY

A series of informal conferences conducted biweekly by the director of the guidance center for second-semester juniors and first-semester seniors. Problems of selecting appropriate fields and appropriate graduate and professional schools; financing graduate education; evaluating educational plans and career choices in the light of new developments in education, science, government, and industry; nature of late-entry professions and their satisfactions. Meets every other week, enrollment open to juniors and seniors on a voluntary basis. No fee and no credit.

*D. Educational and Occupational Information:* In the Guidance Center an extensive collection of books, pamphlets, and catalogues of educational and occupational information is available. A career file of monographs on various careers, arranged according to college major, is maintained. Career opportunities publications are issued by the Public Relations and Student Personnel Offices. Career conferences and forums are arranged to permit experts to discuss various occupational fields with St. Francis students. A special file is kept on opportunities for graduate fellowships, scholarships, and loans, particularly with regard to foreign study and student exchange possibilities.

*E. Mental Health Program:* The Guidance Center is able to offer unusual mental health facilities to students. The program seeks to promote good mental hygiene and to prevent serious emotional disturbances from developing. A mental health consultant is available weekly for confidential interviews, and when necessary he will arrange appointments with the consulting psychologist or psychiatrist. He understands the problems of students and is ready to make effective referrals to a community agency that can aid a student in solving his difficulties.

*F. Placement Bureau:* Although the Director of Placement makes every effort to collect and make available to students information concerning employment opportunities and trends, students must realize that the responsibility for finding employment immediately following graduation rests with the individual. Competent students who can show the need for part-time employment and the ability to maintain a better-than-passing academic record may apply for assistance in obtaining a part-time job.

When seniors register for information concerning job opportunities after graduation, the Placement Director will counsel them concerning the type of position best in accord with their background and training; he will arrange interviews with representatives of the employers, either on or off campus, and will provide recommendations when necessary. The Placement Director has gathered information on opportunities for commissions and special training within the Armed Forces, and co-operates with the Alumni Association in vocational placement.

Experience has shown that the student with an occupational goal generally finds college education more meaningful and purposeful than the student who is aimlessly taking courses. The staff of the Guidance Center is available for career counseling.

*G. Special Events:* Assemblies, held periodically during the year, provide interesting and instructive speakers and topics. Special guidance conferences are scheduled from time to time during the academic year on military, professional, or industrial careers, job placement, and graduate or professional school information.

*H. Testing Program:* The following batteries of achievement and aptitude tests are administered to students: Freshman Testing Programs and the levels I and II Achievement Tests sponsored by the American Institute of Certified Public Accountants. Individual achievement, aptitude, and personality tests are available upon request, or as required in counseling. A staff psychometrist administers such tests.

## HEALTH SERVICE

The Student Health Service is equipped to provide emergency and first aid attention. Health guidance is available to promote the well-being of the students. Medical suite is staffed by a registered nurse, and contains a cot and other short-term facilities. Appointments can be made with local general practitioner when necessary. Several hospitals exist in the readily accessible Borough Hall area.

## MEDICAL-ACCIDENT INSURANCE PROGRAM

All registered students are automatically covered by a medical-accident plan. There is no fee for this service.

The benefits and limitations of this plan are as follows:

- 1) It pays the actual medical expense incurred within twenty-six weeks from date of an accident for injuries sustained while traveling to and

from school, while in attendance at school, and while participating in school-sponsored activities.

- 2) Payment will be made up to \$2,500 for each injury. Additionally, a flat sum of \$2,500 will be paid in the event of accidental death and up to \$2,500 for dismemberment.
- 3) The plan does not cover replacement or repair of eyeglasses or prescriptions, dental X-rays, or loss due to act of war. Dental expense is covered only to the extent of that incurred as a result of injury to sound natural teeth not to exceed an aggregate of \$100 for any one accident.

It also excludes expense of medical treatment, dental care, or attention by any doctor, intern, nurse, or other person employed or retained by the school.

Loss while in military or naval service is not covered.

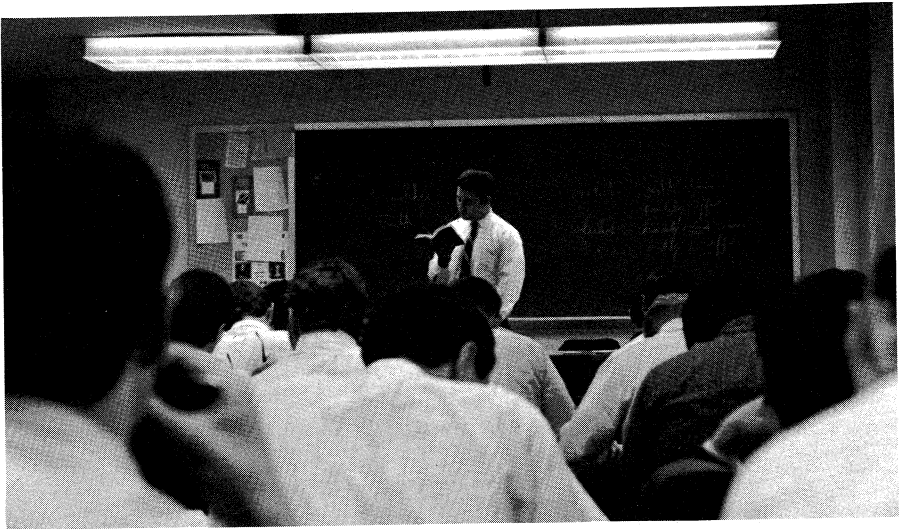
This plan is broad in scope, covering all sports except intercollegiate football.

Information or advice on claims will be handled by the Medical Office.

## ACTIVITIES

The College offers an organized program of extracurricular activities broad and varied enough to meet student interests and needs. Divisional clubs have been organized to assist the students in co-ordinating their academic efforts and acquainting them with the most recent and vital personalities and movements in their field. Juniors and seniors should attend the meetings of the club that represents his major subject.

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



*The Student Government* of St. Francis College is concerned with the organization and coordination of the student body of the College. It is concerned with the affairs of the students in their relations with the college and the surrounding communities. The purpose of the Student Government is to act as a sounding board for all student interests, while at the same time assuming the task of providing efficient and productive leadership for the student. Elected annually by the student body, the Student Government derives its power from and is essentially responsible to the student. Thus, the Student Government is an extension of the will of the majority of the students in the college. It is thus the responsibility of the Student Government to act as the legitimate representative of the student body before the various forces involved with the college community.

*Student Group Leaders* are outstanding students selected by the Student Government to assist in the various programs of student services. During orientation week they help conduct the many activities for the new students. They meet with groups of freshmen assigned to them and conduct orientation lectures. They also serve as hosts at the career conferences and as ushers at assemblies and religious services.

*The Duns Scotus Honor Society* has as its primary aim the encouragement among students of a love and desire for excellence in scholarship and service to all the activities of the College. The 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 the faculty. A student will be eligible to seek membership only after the completion of his sophomore year. At commencement, each member will have the privilege of wearing a distinctive tassel on his cap as an emblem of his membership. Membership does not cease at graduation. Alumni and other distinguished persons who have rendered outstanding service to the College may be elected as honorary members.

*Omicron Delta Epsilon*, Eta Chapter, is a national economics honorary fraternity. The St. Francis group is limited to juniors and seniors who have a cumulative index of 3.00 and have earned twelve credits in economics with a better than 3.00 average.

*Phi Alpha Theta*, Theta Nu Chapter, of the national history fraternity was established at St. Francis in 1961. Membership is limited to juniors and seniors who have an index in history of 3.00 and a cumulative index of better than 2.80. Members must be history majors and have had at least twelve semester hours in the subject.

*Sigma Delta Pi*, Zeta Theta Chapter, of the national Spanish fraternity was established in 1967. Membership is limited to juniors and seniors who have an index in Spanish of 3.00 and rank in the top 35% of their class.

*Alpha Kappa Psi*, Zeta Iota Chapter, Professional business fraternity, has been at St. Francis since May, 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 colleges and universities 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.

*The Science Club* has been organized to provide those students who have a special interest in chemistry, biology, and physics with the opportunity of pursuing their major work outside the classroom and laboratory.

*The International Relations Club* fosters an interest in the political, economic, and cultural history of man. It presents programs related especially to contemporary international relations, and sponsors an annual high school convention on international affairs.

*The Philosophical Society* is a forum for informal discussion and shared inquiry on philosophical issues, and includes a program of guest lecturers.

*The Humanities Club* aims to develop and stimulate an appreciation and evaluation of the literary and cultural contributions of the civilized nations of the world.

*The Business Club* aims to arouse the interests of the student body in current business affairs and practices through the medium of guest speakers and informal discussions by the members.

*The Troupers* is the dramatic organization of the College. The members act in, produce, and direct several full-length and one act plays each year. Regular meetings are held, at which guests from the professional theater demonstrate techniques. Its aims are not only cultural and literary, but also practical since it offers experience in the craft of the theater.

*The St. Thomas More Pre-Law Society* seeks to inform the potential law student of the many facets of his proposed profession. During the year representatives of law schools and other professional people address the members. Information about the requirements for taking the Law Qualifying Examination are discussed by the membership.

*The Sociology Club* is organized to give students of sociology an opportunity to deepen their understanding of existing social problems. To achieve this goal, specialists in the field are invited as speakers, and field visits are arranged.

St. Francis College is represented in the *National Federation of Catholic College Students* by two representatives elected by the Student Council. The Federation was formed to develop lay Catholic leadership among college students.

*Fraternities:* Five fraternities offer social advantages that appeal to many students. PI ALPHA, founded in 1906, is a local student organization; PHI RHO PI, Beta Chapter, was founded in 1922; OMEGA DELTA CHI, another local group, was organized in 1961; ALPHA PHI DELTA, Beta Sigma Chapter, was established on the campus in 1961; and SIGMA GAMMA PI was established in 1967.

*The Voice* is the college newspaper, edited and published by the

students.

*The Franciscan* is published annually by the members of the senior class to record the history of the class and the important college activities of the year.

*The Cord* is a student handbook that contains the traditions, rules, and regulations of the college. It contains valuable and detailed information for all students.

*Sillion* is a literary publication serving as an outlet for those students interested in original and creative writing.

*The Professor Delaney Debating Society* seeks the development of interest among students in intercollegiate and intramural debating.

*The Association of Evening Students* was formed to promote the interest of the evening students in the extracurricular activities of the College. The Association appoints a representative to the Student Council.

*The Glee Club*, in addition to performing at student assemblies, participates in college competitions and takes part in joint concerts with local colleges.

*The St. Francis College Film Society* has been formed so that the classics of the cinema can be brought within easy reach of its members. Anyone, college age or older, can become a member by paying the twenty-five cents dues and obtaining a membership card, which will allow him to buy tickets. The card must be presented each time a ticket is purchased. New members may obtain cards wherever tickets are being sold. Ladies may be admitted on their escort's membership card.

*The Mathematics Club* meets weekly in separate sections for the lower and upper divisions. It covers graduate record problems, opportunities in graduate schools and employment, the use of mathematical instruments, and topics not usually covered in the regular curriculum.

*The Astronomy Club's* goal is to stimulate an interest among students in astronomy. Lectures and discussions are held weekly on topics in astronomy and related sciences.

*The Psychology Club* stimulates interest in psychology, especially in those areas that are not specifically covered in course work. This goal is achieved by means of guest lecturers and field trips.

*The Committee on Social Action* was formed at St. Francis College in 1967. The aim of this voluntary student group is to work among the underprivileged in either recreational or tutorial programs. Presently there are two projects, one at St. Benedict's Church, Ralph Avenue and Fulton Street, and one at Bushwick High School.

*The Economics Society* is a co-curricular activity designed to stimulate the interest of economics students with frequent meetings and field trips in the Metropolitan Area.

*The Motor Sport Club* organizes and runs car rallies for the novice rally fan who does not have experience with rally competition. The members also receive technical instruction on competition driving and car maintenance.



*The Chess Club* operates both intermurally and intramurally.

*The Latin American Society* provides a friendly, informal atmosphere in which to explore and develop the common interests of the students' Latin American Studies. Its activities include weekly meetings, speakers, slides, films, excursions, attendance at conferences on Latin America in New York and elsewhere, and sponsorship of an annual high school convention.

*Young Christian Students* (YCS) is concerned with educating its members to some of the requirements of social and political life. Members have engaged in tutoring children in some of the less economically privileged sections of the Brooklyn community.

*St. Boniface German Club.* This club is intended as a supplement to the German courses offered at St. Francis College. Students taking German as their foreign language are encouraged to participate in the meetings, which include films, discussions, occasional lectures on German culture and related topics, and other activities that may be announced. In the past the club represented our College in the September Steuben Parade.

*The Afro-American Club* was founded in the Spring of 1968, and seeks to satisfy the needs of the minority student in the college community. It aims to foster a better understanding of minorities, both within and without the college community.

*The Student Educational Association* is the pre-professional association for college and university students preparing to teach. It is an integral part of the National Education Association (N.E.A.)—a voluntary, independent, and non-governmental professional association.

*The Football Club* maintains football at St. Francis College on an intercollegiate, non-scholarship, and student-administered basis. Its aims are to encourage school spirit on campus, and to promote the name of St. Francis College to the outside world.

*The Ice Hockey Club* was formed in 1968 and organized a league. This club is student-sponsored and student-supported.

*The Spanish Club* was reactivated in 1968. Its aim is to foster an appreciation of Spanish Culture.

## THE ATHLETIC ASSOCIATION

Under the supervision of the Athletic Policy Committee, the Association promotes the athletic interests of the college and regulates all matters of management pertaining to collegiate and intercollegiate athletics. Intercollegiate participation is available in the following sports: baseball, basketball, bowling, track (relay and cross-country), golf, tennis, swimming, waterpolo, and riflery. Intramural activities are open to all students in badminton, basketball, boxball, foul shooting, golf, handball, horseshoe pitching, riflery, softball, swimming, tennis, track, volleyball, and bowling. The College provides a program of intercollegiate and intramural athletics in which the student may participate according to his ability.

# Academic Regulations

## CREDIT HOURS

Units of achievement are recorded as credit hours. Each credit hour represents fifteen hours of regular class participation in a lecture or thirty or more hours in a laboratory. For example, a science course might consist of two one-hour lectures and two two-hour laboratory periods each week, making a total of four credit hours for the course for one semester.

## REGISTRATION PROCEDURE

Each student will be required to have a conference with his advisor during the pre-registration period in order to have his selection of courses for the following semester approved. Final registration takes place on the days indicated in the academic calendar and is contingent on a record of satisfactory marks for the previous semester. Any changes in the original program outlined at the time of pre-registration must be approved by the advisor at the time of final registration. Enrollment after the days designated in the catalogue will be permitted only with the consent of the Academic Dean and only for a satisfactory reason. Late registrants will be charged a fee of \$10.00 and will be held responsible for all absences due to late registration.

Registration will not be complete until the payments required by the Treasurer's Office have been made. No student may report for any course for which he has not registered. He must attend the section selected unless permission has been obtained from the Registrar to change from one section to another. A student may not register for a course unless all pre-requisites have been satisfied. Permission will not be given to a student to audit courses except in special cases allowed by the Academic Dean. In such cases, the student will pay the regular fees.

## CHANGE OF PROGRAM

A student may change his program after the close of the registration period only with the written authorization of each instructor involved and the approval of the Academic Dean. A charge of \$5.00 will be made for any change of program.

Students who wish to change degree programs must obtain the permission of the Academic Dean. Evening Students may arrange for an evening appointment by calling the Academic Dean's Office from 9:30 a.m. to 4:30 p.m. any school day.

Students who wish to change from Day Session to Evening Session or from Evening Session to Day Session must seek this permission by writing to the Academic Dean. If a conference is necessary, they will be informed by the Academic Dean to arrange for an appointment.

All Summer sessions are open to students who are in good standing, regardless of their session status during the regular academic year.

Students enrolled in one session may register for some or all of his classes in another session with the permission of his advisor. This does not constitute permission to transfer to the respective session; such permission must be sought as above.

## PROGRAMS OF STUDENTS

Full-time students may not carry fewer than twelve or more than eighteen credit hours a semester. Permission to take more than eighteen hours may be granted by the advisor. A day student on probation may not take more than fifteen credits. An evening student on probation may not take more than six credits. The minimum credit load does not apply to seniors in their last term, who may need fewer than twelve credits to complete their degree requirements. The minimum credit regulations do not apply to students in later afternoon or evening sessions. Evening students may not carry more than twelve credits per semester without permission of their advisor.

## EXAMINATIONS, GRADES, CREDITS

Final written examinations in most courses are held at the end of each semester. A student who is absent from the final examination in any course is subject to the grade of F for the course. A special examination may be granted by the Academic Dean upon the submission of evidence showing that the student was unable to be present at the stated examination. There is a fee of \$5.00 for special examinations after the regular examination period.

All applications for special examinations should be made to the Academic Dean and the examinations must be taken on the day and hour appointed. Instructors are not authorized to give make-up examinations at the request of the students, and grades will not be accepted for unauthorized special examinations.

The student's achievement of work in any course for which he is

registered is determined by the combined results of his class work and final examinations and is recorded according to the following scale:

A, 90-100; B, 80-89; C, 70-79; D, 60-69; F, below 60; W, withdrawal; H, honors; P, passed.

When withdrawing from a course for which he has registered, a student is required to inform the Registrar's Office and the Treasurer's Office. The date of withdrawal is determined by the date on which he informs the Registrar and Treasurer. A withdrawal from a course after the fifth week (first week in summer) shall be given a grade of F or W at the discretion of the Dean of Students (day students) or the Director of the Evening Session (evening students). A student withdrawing from a course before the fifth week (during first week in summer) with the approval of the Dean of Students (day students) or the Director of the Evening Session (evening students), shall be given a grade of W.

A student receiving a grade of F in a required course must repeat that course the next term it is offered. No work of D grade may be credited for any course taken in the major field without the written approval of Head of Department. A student may not repeat a course to raise his grade except with the permission of his advisor.

Under a special ruling of the faculty, a student may not expect to receive a passing grade in any subject in which he fails to maintain standards of good English in essays, examinations, and other written requirements for the course.

## REPORT OF MARKS

As soon after each term as all grades have been reported and recorded, each student will receive a report of his marks. This report should be presented at the time of each conference with his advisor.

## SCHOLARSHIP

Qualitative achievement is recorded by means of quality points as follows:

- For A grades (90-100) — 4 quality points per credit.
- For B grades (80-89) — 3 quality points per credit.
- For C grades (70-79) — 2 quality points per credit.
- For D grades (60-69) — 1 quality point per credit.
- For F grades (below 60) — no quality points.

The quality point index indicates a student's scholarship rating and is obtained by dividing the total number of quality points by the total number of credit hours.

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

At the end of the freshman year a student whose index is below 1.50 will be subject to probation. If, at the end of the sophomore year, his index is below 1.75, he is again subject to probation, and at the end of the junior year, if his index is below 2.00, he is likewise subject to probation. A quality point index of 2.00 is required for graduation.

No student will be maintained on probation more than two successive times and he may be dropped from the rolls of the College, at any time, for poor academic standing.

Only courses completed at St. Francis College are evaluated for purposes of index and honors. Courses taken under the cooperative program with St. Joseph's College for Women, the Junior Year Abroad Program or the New York State Visiting Student Program are included in the total index.

## HONORS

Each term a list of honor students is published by the Academic Dean. It is a recognition of the student's achievement in scholarship and his ability to handle his work. Included in the list are those students who have achieved a quality point index of 3.00 or better and have carried the following number of credits:

Day students — 12 or more credits.

Evening students — 9 or more credits.

Late afternoon students — 6 or more credits.

Election to the Duns Scotus Honor Society is made each year and is limited to junior and senior students. Only those students are eligible who have attained high scholarship and have demonstrated their service to the ideals and activities of the College. Election entitles the students to wear the key of the Society, which is conferred at a special assembly each year.

## PASS-FAIL COURSES

Juniors and Seniors not on Probation may select one elective course each term to be recorded on their permanent record on the Pass-Fail basis. This privilege may be used for a maximum of four terms and only one elective course may be selected each term. Courses required in the Core Curriculum or major department may not be so designated.

The course must be so designated by the student on the special form provided by the Registrar's Office no later than the end of the second week of the school term (first week of Summer Session). This privilege does not excuse students from all required work of the particular class.

## WITHDRAWAL

Students obliged to withdraw from the College should report to the Registrar's Office for instruction in proper procedure.

## 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. Where such permission is granted, the combined programs may not exceed eighteen credit hours per semester. Permission may be granted to attend summer session at another institution provided the courses sought are required and are not being offered at St. Francis. In no case may a student take a total of more than six credits during a six-week summer session.

Permission may be granted to take courses at another institution only when:

1. The student has not entered upon his senior year.
2. The student has an index of 2.00.
3. Written approval for the required courses has been granted by the head of the department concerned and the Academic Dean.
4. Official permission of the Academic Dean has been secured before the end of the preceding semester.

Credit will be transferred only for courses completed with a grade of C or better.



# Requirements for Degrees

47

The college offers the B.A. Degree with majors in Economics, English, French, History, Latin-American Studies, Philosophy, Political Science, Psychology, Social Studies, Sociology, Spanish, and Teacher Training for Secondary School certification in English, French, Social Studies, and Spanish; the B.B.A. Degree with majors in Accounting and Business Management and Teacher Training for Secondary School certification in Accounting and Business Practice; and the B.S. Degree with majors in Biology, Chemistry, Mathematics, and Physics, as well as Teacher Training for Secondary School certification in Biology, Chemistry, and Mathematics.

The college offers the Associate Arts Degree in Liberal Arts and Pre-Teaching; and the Associate Applied Science Degree in Business Administration and Computer Science.

A candidate for a degree must complete the required courses as outlined in his respective curriculum and have a cumulative index of at least 2.00.

Regular students in the Day Session must complete four terms of Health Education by the end of the Sophomore Year. Each term of Health Education carries one-half credit. Students unable to participate in Health Education 101-102 because of physical handicap may be excused on the written recommendation of a physician. Transfer students in the Day Session with less than thirty transfer credits must complete four terms of Health Education. Transfer students in the Day Session with thirty to sixty transfer credits must complete two terms of Health Education. Honorably discharged veterans having completed more than six months active service in the Armed Forces of the United States may be excused from the activities courses (Health Education 101-102). Veterans with six months active service may be excused from one activities course (either Health Education 101 or Health Education 102). Veterans should have an official copy of their discharge included in their records folder in the Registrar's Office. Evening students are excused from the Health Education requirements.

Honorably discharged veterans having completed eighteen months or more of active service in the Armed Forces of the United States may

be granted up to ten credits of the elective requirements toward a degree. These credits may never substitute for required courses or for courses in the student's major field. Application for these credits must be made to the Academic Dean.

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 his major field. Education 404 (Observation and Supervised Practice Teaching) satisfies the comprehensive requirement for students in the Teacher Training Program.

Graduation honors are inscribed on diplomas and 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 quality point index of 3.80.

The degree of MAGNA CUM LAUDE will be conferred upon a candidate who has achieved a quality point index of 3.50.

The degree of CUM LAUDE will be conferred upon a candidate who has achieved a quality point index of 3.20.

A student must complete a residence of three years for these honors.

## REQUIRED OF ALL STUDENTS

### CORE CURRICULUM

### BACCALAUREATE DEGREE PROGRAMS

Division of Humanities		15 credits
English 120; 121	6 credits	
Fine Arts 401; 402	6 credits	
Speech 203	3 credits	
Division of Natural Science or Mathematics		6 credits
Division of Philosophy-Theology-Psychology		24 credits
Philosophy 201-202	6 credits	
Philosophy 403; 404	6 credits	
Philosophy 300-400 Course	3 credits	
*Theology 103	3 credits	
*Theology 200 Courses	6 credits	
Division of Social Science		6 credits
History 201	3 credits	
Sociology 203	3 credits	
	<b>TOTAL</b>	<b>51 credits</b>
Health Education		**2 credits

\* Non-Catholic students entering the college are not required to take Theology courses. They may take all or some of these courses if they wish. They may substitute elective courses to make up the total number of credits in Theology in order to obtain the total credits required for the degree being sought.

\*\* The Health Education credits are in addition to the 132 credits required for graduation.



## CORE CURRICULUM—ASSOCIATE DEGREE PROGRAMS

Division of Humanities		12 credits
English 120; 121	6 credits	
Fine Arts	3 credits	
Speech 203	3 credits	
Division of Natural Science or Mathematics		6 credits
Division of Philosophy-Theology-Psychology		6 credits
Philosophy	6 credits	
Division of Social Science		6 credits
History 201	3 credits	
Sociology 203	3 credits	
		<hr/> 30 credits

## 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. Students are responsible to their major department for advice on planning their pre-registration and registration programs.

## COMPREHENSIVE EXAMINATION OR PROJECT

During the senior year every candidate for a baccalaureate degree shall take a comprehensive examination and/or complete a research project.

Specific information about the comprehensive may be obtained from the head of the department concerned.

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

H	honors	90 or better
P	pass	70-89

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

## SENIOR REQUIREMENT

The final thirty-two credits for the degree must be earned at St. Francis College.

## APPLICATIONS FOR A DEGREE

Early in the last year of college each candidate will file with the Registrar a formal application for his degree.

# Divisional Organization

In the divisional organization, departments of instruction having essential interests and relationships function together as a unit. The plan views educational aim and content in perspective, and suggests what departments contribute to the student's total knowledge. It not only affords the student the opportunity of exploring several academic areas and of using these facts as part of his thinking, but it also tends to break down departmental lines and to bring faculties of related departments together for the purpose of cooperation and assistance. Specific requirements for each major field will be found listed under the individual curriculums.

The College is divided into six divisions:

Division of Business Administration	Page 52
Division of Humanities	Page 54
Division of Natural Science and Mathematics	Page 56
Division of Philosophy, Psychology, and Theology	Page 58
Division of Social Studies	Page 59
Division of Continuing Education	Page 62

The Department of Education offers courses required by New York State and the Board of Education of the City of New York. Students are prepared to meet the New York State Provisional Certification requirements in English, French, Spanish, Social Studies, Biology, Chemistry, Mathematics, and Accounting and Business Practice.

Students interested in teaching should consult with the Head of the Department of Education during the freshman year in order to discuss professional and subject requirements. All programs for students in Teacher Education must be approved by the Head of the Education Department. Students must take a minimum of eighteen semester hours in Education courses, as indicated in each particular curriculum.

Certification to teach in secondary schools of New York State is granted by the State to those students who complete an approved program in Teacher Education. In granting this certification, the State requires a balance of courses in three areas of study: (1) general-liberal education; (2) professional studies in education; (3) academic

or subject areas the candidate expects to teach. Students completing one of the Teacher Training Curriculums will receive New York State Provisional Certification and will be eligible to complete the fifth year requirement for permanent certification at an institution of his choice. Students are also eligible for substitute license examinations in the New York City Board of Education. Students entering teaching upon graduation may complete the thirty semester hours of graduate work (fifth year) on a part-time basis to satisfy the requirements for permanent certification in New York State.

Students entering the teacher training program may not be on probation and must maintain a 2.00 overall index and a 2.50 index in their major subject field. Students are urged to observe the curriculum requirements in their chosen field, and are held responsible for choice and successful completion of the curriculums as outlined for them. Their official advisor is the Head of the Education Department. Supplemental material may be obtained from the Education Department.



## THE DIVISION OF BUSINESS ADMINISTRATION

Professor Charles Savage, *Chairman*

The Division of Business Administration, composed of the departments of Accounting, Business Law, Business Management, and Electronic Data Processing, directs the student's education towards a career in business.

Building upon the cultural awareness and accretion of skills afforded by the core curriculum, the Division imparts to the student an understanding of the American enterprise economy and a realization of the social and moral responsibilities he will assume by entering business. Instruction emphasizes analytical reasoning, independent but disciplined thought, and the desire to achieve competence. Constant effort is made to relate matters covered in other courses to the business situation.

The Division offers majors in Accounting, Business Management, and Secondary School Teacher Training in Accounting and Business Practice leading to the B.B.A. degree. Emphasis in the Accounting curriculum is upon completion of the academic requirements for the permissible parts of the C.P.A. Examination; but the student may, by registering under the Business Management major and by judicious selection of accounting courses, prepare himself for managerial accounting. The Business Management major provides a basic knowledge of the major areas of business activity—production, distribution, and finance—with particular emphasis upon the management principles inherent therein.

Internship programs providing a guided practical experience in both industrial and public accounting are available to selected students.

### ACCOUNTING

Core Curriculum* (Mathematics 105; 108)	51 credits
Business Law 101-102; 301; 302	8 credits
Business Management 201; 303; 308; 400	12 credits
Economics 201; 202; 306	9 credits
Electronic Data Processing 201	3 credits
History 101-102	6 credits
Mathematics 301	3 credits
Accounting 101-102; 201; 202; 303-304; 305-306; 401-402; 404; 405-406	32 credits
Electives	8 credits
	<hr/> 132 credits

\* See page 48.

## BUSINESS MANAGEMENT

Core Curriculum* (Mathematics 105; 108)	51 credits
Accounting 101-102	6 credits
Business Law 101-102; 301; 302	8 credits
Economics 201; 202; 306	9 credits
Electronic Data Processing 201	3 credits
English "300-400" Elective	3 credits
History 101-102	6 credits
Mathematics 301	3 credits
Political Science 404	3 credits
Business Management 201; 202; 301; 302; 303; 308; 400; 403; 404	27 credits
Electives	<u>13 credits</u>
	<b>132 credits</b>

\* See page 48.

## SECONDARY SCHOOL TEACHER TRAINING CURRICULUM ACCOUNTING AND BUSINESS PRACTICE

Core Curriculum* (Mathematics 105; 108)	51 credits
Accounting 101-102; 201; 202; 303-304; 408	18 credits
Business Law 101-102; 301; 302	8 credits
Business Management 201	3 credits
Economics 201; 202; 306; 311	12 credits
Education 201; 301; 302; 401j; 401k; 402; 404	20 credits
Electronic Data Processing 201	3 credits
History 101-102	6 credits
Mathematics 301	3 credits
Electives	<u>8 credits</u>
	<b>132 credits</b>

\* See page 48.

## THE DIVISION OF HUMANITIES

Brother Camillus Casey, O.S.F., *Chairman*

The primary purpose of the Division of Humanities is to instill into the student breadth and depth of sympathy and vision by examining and interpreting the civilization and culture of man. Its aim is, therefore, to develop good taste through a knowledge of man's thoughts and feelings as they are expressed in language, literature, music, and art. Its concern is with such realities as life, death, love, and the problems of good and evil, and how these influence man in his relationship to society, his physical environment, his inner self, and his God.

The Division consists of the departments of Classical Languages, English, Fine Arts, Modern Languages, and Speech.

### ENGLISH PROGRAM A

For those students who plan to pursue graduate studies in English.

Core Curriculum*	51 credits
French or German	12 credits
English 299; 402x; 402y; 450; "300-400" Electives	30 credits
Electives	39 credits
	<hr/> 132 credits

\* See page 48.

### ENGLISH PROGRAM B

For those students who plan to use bachelor's degree as terminal degree or who plan to pursue graduate studies but not in English.

Core Curriculum*	51 credits
Foreign Language	12 credits
English 299; 402x or 402y; 450; "300-400" Electives	18 credits
Electives	51 credits
	<hr/> 132 credits

\* See page 48.

### SECONDARY SCHOOL TEACHER TRAINING CURRICULUM ENGLISH MAJOR

Core Curriculum*	51 credits
Education 201; 301; 302; 401c; 401g; 402; 404	20 credits
Foreign Language	12 credits
History 101-102	6 credits
Mathematics or Science†	6 credits
Speech 301; 302	6 credits
English 401j or 401k; 402x or 402y; 407 (6 credits); 408; 410; "300-400" Electives	27 credits
Electives	4 credits
	<hr/> 132 credits

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

### FRENCH

Core Curriculum*	51 credits
French†	30 credits
Minor Language†	12 credits
Electives	39 credits
	<hr/> 132 credits

\* See page 48.

† Students offering this language on Admission must be placed in proper level course by Language Department.

## SECONDARY SCHOOL TEACHER TRAINING CURRICULUM FRENCH MAJOR

Core Curriculum*	51 credits
Education 201; 301; 302; 401d; 402; 404	18 credits
English "300-400" Electives	6 credits
History 101-102	6 credits
Mathematics or Science†	6 credits
French 302; 303; 404; 405; Electives‡	30 credits
Electives (12 credits of Spanish recommended)	15 credits
	<u>132 credits</u>

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

‡ Students offering this language on Admission must be placed in proper level course by Language Department.

## SPANISH

Core Curriculum*	51 credits
Spanish†	30 credits
Minor Language‡	12 credits
Electives	39 credits
	<u>132 credits</u>

\* See page 48.

† Students offering this language on Admission must be placed in proper level course by Language Department.

## SECONDARY SCHOOL TEACHER TRAINING CURRICULUM SPANISH MAJOR

Core Curriculum*	51 credits
Education 201; 301; 302; 401d; 402; 404	18 credits
English "300-400" Electives	6 credits
History 101-102	6 credits
Mathematics or Science†	6 credits
Spanish 308; 310; 402; 405; Electives‡	30 credits
Electives (12 credits of French recommended)	15 credits
	<u>132 credits</u>

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

‡ Students offering this language on Admission must be placed in proper level course by Language Department.



## THE DIVISION OF NATURAL SCIENCE AND MATHEMATICS

Professor John Burke, *Chairman*

The Division of Natural Science and Mathematics, consisting of the departments of Biology, Chemistry, Mathematics, Physics, and Science, seeks to complement the aims of the College by teaching the fundamental concepts and principles which govern physical reality. It endeavors to cultivate a knowledge of the orderliness of science and the relations existing among the various sciences, and thus to foster in the student an appreciation of the material world. The Division further aims to prepare the student for graduate or professional school, and to meet the needs of those students who are preparing for entrance into certain vocational fields upon graduation. Students who wish to study programming and computers should major in Mathematics. With the addition of Numerical Analysis (Mathematics 408) they will satisfy the standards of the College's undergraduate program in Mathematics and of the Association of Computing Machinery for a major in Mathematics for Computer Science.

### BIOLOGY

Core Curriculum* (Mathematics 202; 203)	52 credits
Chemistry 101-102; 301; 302	18 credits
German or Russian†	6 or 12 credits
Physics 101-102	8 credits
Biology 103-104; "200-300-400" Electives	32 credits
Electives	10 or 16 credits
	<hr/> 132 credits

\* See page 48.

† One year of a continuing language or two years of a new language.

### SECONDARY SCHOOL TEACHER TRAINING CURRICULUM BIOLOGY MAJOR

Core Curriculum* (Mathematics 202; 203)	52 credits
Chemistry 101-102	8 credits
Education 201; 301; 302; 401h; 402; 404	18 credits
Foreign Language	12 credits
Physics 101-102	8 credits
Science 301-302	6 credits
Biology 103-104; 303; "200-300-400" Electives	24 credits
Electives	4 credits
	<hr/> 132 credits

\* See page 48.

### CHEMISTRY

Core Curriculum* (Mathematics 202; 203)	52 credits
Biology 103-104	8 credits
Electronic Data Processing 203	3 credits
German or Russian†	6 or 12 credits
Mathematics 401	3 credits
Physics 101-102	8 credits
Chemistry 101-102; 201; 301; 302; 401-402; 404; 501; 502; "300-400" Electives	45 credits
Electives	1 or 7 credits
	<hr/> 132 credits

\* See page 48.

† One year of a continuing language or two years of a new language.



## SECONDARY SCHOOL TEACHER TRAINING CURRICULUM CHEMISTRY MAJOR

Core Curriculum* (Mathematics 202; 203)	52 credits
Biology 103-104	8 credits
Education 201; 301; 302; 401h; 402; 404	18 credits
Foreign Language	12 credits
Physics 101-102	8 credits
Science 301-302	6 credits
Chemistry 101-102; "200-300-400" Electives	24 credits
Electives	4 credits
	<hr/>
	132 credits

\* See page 48.

## MATHEMATICS

Core Curriculum* (Physics or Second Science—6 credits)	51 credits
Electronic Data Processing 203	3 credits
French or German†	6 or 12 credits
Physics 101-102	8 credits
Mathematics 202; 203; 304; 305; 307; 308; 309; 400;	
401; 403; 404; 406; 409; 412	42 credits
Electives	16 or 22 credits
	<hr/>
	132 credits

\* See page 48.

† One year of a continuing language or two years of a new language.

## SECONDARY SCHOOL TEACHER TRAINING CURRICULUM MATHEMATICS MAJOR

Core Curriculum* (Biology 103-104 or Chemistry 101-102)	53 credits
Education 201; 301; 302; 401e; 402; 404	18 credits
Foreign Language	12 credits
Physics 101-102	8 credits
Mathematics 202; 203; 304; 401; "300-400" Electives	28 credits
Electives	13 credits
	<hr/>
	132 credits

\* See page 48.

## PHYSICS

Core Curriculum* (Mathematics 202; 203)	52 credits
Chemistry 101-102	8 credits
Electronic Data Processing 203	3 credits
Foreign Language†	6 or 12 credits
Mathematics 304; 401; 403; 404	12 credits
Physics 101-102; 201; 202; "300-400" Electives	34 credits
Electives	11 or 17 credits
	<hr/>
	132 credits

\* See page 48.

† One year of a continuing language or two years of a new language.

## THE DIVISION OF PHILOSOPHY, PSYCHOLOGY AND THEOLOGY

Brother Pascal Kelly, O.S.F., *Chairman*

The required courses in Philosophy are integral to the core program at St. Francis College. Their purpose is to develop in the student a broad awareness of basic alternatives among conceptual frameworks and an ability to deal rationally with the foundations and implications of all types of discourse. The student pursues a coherent three-year sequence of courses which expose him systematically to as many as possible of the more significant texts and crucial problems in the history of philosophy.

The department also offers a major program. Its primary focus is a secure preparation for graduate study in philosophy, but it also provides an excellent liberal foundation for subsequent professional endeavor. This program leaves considerable room for course election, both in philosophy and in other disciplines. The department expects its majors to make responsible use of this freedom and suggests that they acquaint themselves with as many areas of knowledge and inquiry as possible.

The course of study in Psychology is made up of the core curriculum, required and elective courses in psychology, and electives designed to meet the unique needs of the individual student. The program is so arranged as to provide the student with undergraduate preparation for advanced study in this area, and with a breadth of view in psychology consonant with the liberal arts tradition of St. Francis.

Courses in Theology aim to provide the atmosphere in which the intellect may be in touch with the realities contained in the values of religion. They provide students with discussion of a body of religious documents and religious thought, and offer the opportunity to develop a personal and thinking response to God.

### PHILOSOPHY

Core Curriculum*	51 credits
Foreign Language†	12 credits
History 101-102	6 credits
Mathematics or Science‡	6 credits
Political Science 204	3 credits
Theology "200 or 400" Elective	3 credits
Philosophy 321; 322; 411; 412; "300-400" Electives	18 credits
Electives	33 credits
	<hr/> 132 credits

† A philosophy major is strongly urged to acquire some proficiency in at least two of the following languages: Latin, Greek, French, German.

### PSYCHOLOGY

Core Curriculum*	51 credits
Foreign Language	12 credits
Mathematics or Science‡	6 credits
Psychology 201; 300; 303-304; 420; "300-400" Electives	30 credits
Electives	33 credits
	<hr/> 132 credits

\* See page 48.

‡ If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

## THE DIVISION OF SOCIAL STUDIES

Professor James Flynn, *Chairman*

The Division of Social Studies aims to awaken in the student a clear realization of his position in society. The courses in the Division are geared to develop in the student an understanding of his fellow man so that he may participate in and work for the betterment of society; to acquaint him with a knowledge of our social and economic heritage, which a study of the past provides as an interpretation of the present; to understand the need of a clear sense of values in summing up the importance of the past in relation to current situations; and to enable him to apply his knowledge to modern social and economic issues.

The Division offers majors in Economics, History, Latin American Studies, Political Science, Social Studies, Sociology, Social Studies — Secondary School Teacher Training, and Social Studies in the evening on a six-year schedule.

Students who wish to pursue a career in Social Work are recommended to pursue a major concentration in Sociology. Catholic Charities Division of the Diocese of Brooklyn will provide volunteer opportunities in a variety of social agencies during the year to juniors who have an interest in social work and will grant fellowships for graduate study at the School of Social Service.

### ECONOMICS

Core Curriculum* (Mathematics 105; 108)	51 credits
English "300-400" Elective	3 credits
Foreign Language	12 credits
History 101-102	6 credits
Mathematics 301	3 credits
Political Science 204	3 credits
Economics 201; 202; 306; 309; 400; 405 or 406; 409; "300-400" Electives	33 credits
Electives	21 credits
	<u>132 credits</u>

\* See page 48.

### LATIN AMERICAN STUDIES

Core Curriculum* (Biology 101; 102; Philosophy 310)	51 credits
Economics 201; 310	6 credits
English "300-400" Elective	3 credits
History 101-102; 305; 306; 400; 401; 402	21 credits
Mathematics Elective	3 credits
Political Science 204; 305	6 credits
Portuguese 101-102	6 credits
Sociology 307	3 credits
Spanish	18 credits
Speech "300-400" Elective	3 credits
Electives	12 credits
	<u>132 credits</u>

\* See page 48.

**HISTORY**

Core Curriculum*	51 credits
Economics 201; 202; 302	9 credits
Foreign Language	12 credits
Mathematics or Science†	6 credits
Political Science 204	3 credits
Sociology 404	3 credits
Speech "300-400" Elective	3 credits
History 101-102; 400; 401; 402; "300-400" Electives	30 credits
Electives	15 credits
	<u>132 credits</u>

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

**POLITICAL SCIENCE**

Core Curriculum*	51 credits
Economics 201; 202	6 credits
Foreign Language	12 credits
History 101-102; 303; 401; 402	15 credits
Mathematics or Science†	6 credits
Speech "300-400" Elective	3 credits
Political Science 204; 301; 400; "300-400" Electives	24 credits
Electives	15 credits
	<u>132 credits</u>

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

**SOCIAL STUDIES**

Core Curriculum*	51 credits
Economics 201; 202	6 credits
Foreign Language	12 credits
History 101-102; 401; 402	12 credits
Mathematics or Science†	6 credits
Political Science 204	3 credits
Speech "300-400" Elective	3 credits
Social Studies 400; and Electives‡	18 credits
Electives	21 credits
	<u>132 credits</u>

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

‡ Economics, History, Political Science, and Sociology courses may be selected with the approval of advisor.

**SECONDARY SCHOOL  
TEACHER TRAINING CURRICULUM  
SOCIAL STUDIES MAJOR**

Core Curriculum*	51 credits
Economics 201; 202	6 credits
Education 201; 301; 302; 401f; 402; 404	18 credits
Foreign Language	12 credits
History 101-102; 305; 306; 401; 303 or 406	18 credits
Mathematics or Science†	6 credits
Political Science 204; "300-400" Elective	6 credits
Sociology "300-400" Elective	3 credits
Electives	12 credits
	<u>132 credits</u>

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.

## SOCIOLOGY

Core Curriculum*	51 credits
English "300-400" Elective	6 credits
Foreign Language	12 credits
History 101-102	6 credits
Mathematics or Science†	6 credits
Political Science 204	3 credits
Psychology 201;	3 credits
Speech "300-400" Elective	3 credits
Sociology 301; 311-312; 400; 404; 406; "300-400" Electives	27 credits
Electives (Psychology 410 is recommended)	15 credits
	<hr/>
	132 credits

\* See page 48.

† If Mathematics is used to satisfy the core curriculum requirement then Science must be selected or vice versa.



## THE DIVISION OF CONTINUING EDUCATION

Professor Richard Doyle, *Chairman*

The Division of Continuing Education has been founded for the purpose of enabling every segment of the community to share in the Saint Francis experience. Open to men and women, this multifaceted division of the college provides opportunities for human growth and enrichment through a wide spectrum of courses and programs. Within this Division, students may complete courses leading ultimately to the baccalaureate degree or, if they so choose, to the two-year or associate degree. In addition, certificates of completion are offered in the areas of computer science, library science, educational technology, health science, and a host of pre-professional, in-service and vocational areas.

The pre-collegiate section of the division assists in the upgrading and achievement of younger students through remedial programs geared to their special needs, while the Institute for Human Enrichment (the Adult Education branch of the Division) attempts to provide relevant offerings designed to meet all the needs and interests of the community.

The Division of Continuing Education, therefore, attempts to offer new and dynamic approaches to modern higher education. Its concern is with individual growth and development, and its dedication is to the task of seeking out and promulgating relevant answers to the problems of twentieth-century life.

### A.A. LIBERAL ARTS (ASSOCIATE ARTS DEGREE IN LIBERAL ARTS)

Core Curriculum*	30 credits
English Elective	3 credits
Fine Arts "400"	3 credits
History 101-102	6 credits
Psychology 201	3 credits
Sociology 304	3 credits
Electives	15 credits
	<hr/> 63 credits

\* See page 49.

### A.A. PRE-TEACHING (ASSOCIATE ARTS DEGREE IN PRE-TEACHING ELEMENTARY-SECONDARY)

Core Curriculum* (Biology 101; 102)	30 credits
Education 201; 302; 402	8 credits
History 101-102	6 credits
Psychology 201; 403 (Elementary Education) or 404 (Secondary Education)	6 credits
Electives	12 credits
	<hr/> 62 credits

\* See page 49.

The requirement for New York City's designation "Education Assistant" is fully met by completion of this program.

## A.A.S. BUSINESS ADMINISTRATION (ASSOCIATE APPLIED SCIENCE DEGREE IN BUSINESS ADMINISTRATION)

Core Curriculum* (Mathematics 105; 301)	30 credits
Accounting 101-102	6 credits
Business Law 101-102	4 credits
Business Management 201; 202	6 credits
Electronic Data Processing 201	3 credits
Economics 201; 202	6 credits
Electives	9 credits
	<hr/>
	64 credits

\* See page 49.

## A.A.S. COMPUTER SCIENCE (ASSOCIATE APPLIED SCIENCE DEGREE IN COMPUTER SCIENCE)

Core Curriculum* (Mathematics 105; 301)	30 credits
Accounting 101-102	6 credits
Business Management 201; 202	6 credits
Electronic Data Processing	12 credits
Economics 201; 202	6 credits
Electives	3 credits
	<hr/>
	63 credits

\* See page 49.

Note: The A.A. and A.A.S. programs make allowance for transfer to Baccalaureate programs (Four year Bachelor's Degree) if the student so desires.

## CERTIFICATES OF COMPLETION

Computer Programming	Health Science
Educational Technology	Insurance and Real Estate
Library Science	Vocational Areas

## IN-SERVICE TRAINING AND PROFESSIONAL ADVANCEMENT

Teacher Certification  
Audio Visual and Television Techniques  
Management Seminars  
Business Administration and Accounting Workshops

## PRE-COLLEGIATE PROGRAMS

Developmental Reading	Remedial English
Remedial Mathematics	High School Equivalency Diploma
	English As A Second Language

Adult Education courses for human enrichment are also part of the Division's program.

## **PREPARATION FOR PROFESSIONAL STUDY PRE-MEDICAL, PRE-DENTAL, AND PRE-OPTOMETRY**

The requirement for admission to the study of dentistry, medicine, or optometry is the satisfactory completion of two years of study toward a Liberal Arts degree, including approved courses in English, Organic Chemistry, Physics, and Biology or Zoology.

Students should carefully note that the above are only minima and that professional schools will not consider applicants who have only minimal preparation. The trend for admission to these schools is toward the completion of a four-year undergraduate course. Students who contemplate studying medicine, dentistry, or optometry are strongly urged to complete the four-year college course and obtain the degree. Any student planning to enter a professional college should consult the catalogue of the college of his choice during his freshman year.

A junior or senior who intends to apply to a professional school must submit to a personal interview at a meeting of the Committee on Recommendations to Professional Schools during the month of October or the month of February. Exact dates of such meetings will be posted. Recommendations may be obtained at these times only. Students should have taken the Medical Aptitude Examination several months prior to the time of application for recommendation.

### **PRE-LAW**

The best preparation for the study of law and for entrance into the legal profession is to follow the four-year program and obtain the baccalaureate degree. It is recommended that the student take courses in Economics, History (especially British Constitutional History), English Composition and Literature, and Sociology. Many law school deans also recommend that a student take one year of Accounting. A student would do well to develop his ability to concentrate, to study effectively, to read carefully and critically. He should seek every opportunity for practice in writing and speaking clearly and precisely.

Some law schools will accept students who receive a Law Student's Qualifying Certificate from New York State. This certificate is granted to those students who have successfully completed three years of the liberal arts program. No student will receive a degree from St. Francis under this plan. The Law Qualifying Examination is required of all applicants by most law schools. This examination is administered by the Educational Testing Service, Princeton, New Jersey. It is suggested that students interested in studying law seek an interview with the Pre-Legal Advisor at the College concerning this examination.



# Courses of Instruction

65

Each credit hour represents class participation one hour a week for one semester at a lecture, or two hours a week for one semester in a laboratory, unless otherwise indicated.

If a course conducted throughout the year is a credit unit, that fact is indicated by a dash. If each term is a separate unit, which may be taken and credited independently, that fact is indicated by a comma.

Courses that have insufficient registration will be cancelled.

## ACCOUNTING

Professor Charles L. Savage, *Department Head*

### **ACC 101-102 Elements of Accounting 6 credits**

Three lectures and one problem period per week

An introduction to the basic principles of accounting including the book-keeping cycle, adjusting entries, and classified financial statements; basic partnership and corporate accounting problems; aspects of managerial accounting.

### **ACC 201, 202 Intermediate Accounting 6 credits**

Prerequisite: Accounting 101-102

Three lectures and one problem period per week

Principles and procedures involved in asset validation and valuation; liability verification; enterprise equity (mainly corporate), including formation and liquidation; special topics. Course proceeds primarily on a problem basis.

### **ACC 303-304 Cost Accounting 4 credits**

Prerequisite: Accounting 101-102

Two lectures and one problem period per week

Managerial use of cost data for routine planning and control, and for long-range planning; product costing using job order, process, and standard costs.

### **ACC 305-306 Auditing 6 credits**

Prerequisite: Accounting 201, 202

Principles, standards, procedures, and techniques of auditing with emphasis on the analytical approach; electronic data processing and statistical sampling; types of audit examinations with appropriate reports, evaluation of assets, and substantiation of liabilities; an auditing practice case to be completed.

**ACC 400 Accounting Internship Program** **1 credit**

Full-time professional staff work for limited period in public and private accounting; complete analytical written report of experience. Admission to course by permission of department head.

**ACC 401-402 Advanced Accounting Problems** **4 credits**

Prerequisite: Accounting 303-304 and 305-306

Consideration of such topics as home office and branch accounting, consolidations, estates and trusts, foreign branches and governmental accounting; analysis of selected problems from recent CPA examinations.

**ACC 404 Advanced Accounting Theory** **2 credits**

Prerequisite: Accounting 401

Analysis of concepts of income, revenues and expenses, price level changes, assets and liabilities, ownership equities; readings in current literature.

**ACC 405-406 Taxation** **4 credits**

Prerequisite: Accounting 101-102

A study of the basic principles of federal income taxation as applied to individuals, partnerships, and corporations; Social Security, Gift, and Estate taxes.

**ACC 407 Accounting Analysis** **2 credits**

Analysis of balance sheets and operating statements; trend analysis, emphasizing statistical and mathematical approach; concepts of operations analysis.

**ACC 408 Office Practice** **2 credits**

The students are given a familiarity with the purpose and use of the principal mechanical devices found in a modern business office.

**BIOLOGY**

Professor Joseph Martorano, *Department Head*

**BIO 101, 102 Biology for Humanists** **6 credits**

For B.A. students only

Two lectures and two hours lab per week

A study in depth of selected topics, with special reference to historical, social, economical and philosophical implications; laboratory exercises and demonstrations.

**BIO 103-104 General Biology** **8 credits**

Two lectures and four hours lab per week

An introductory course in general principles and modes of scientific thought, illustrated by selected examples from the plant and animal sciences.

**BIO 201 Comparative Embryology** **4 credits**

Prerequisite: Biology 103-104

Two lectures and four hours lab per week

A comparative lecture-and-laboratory study of the development of the lancelet, the frog, the chick, the pig, and the early stages of human embryology.

**BIO 202 Comparative Anatomy 4 credits**

Prerequisite: Biology 103-104

Two lectures and four hours lab per week

A comparative lecture-and-laboratory study of the macroscopic anatomy of typical representatives of the classes of vertebrates.

**BIO 203 Invertebrate Zoology 4 credits**

Two lectures and four lab hours per week

Major invertebrate phyla with emphasis on taxonomy, structure, physiology, and ecology; laboratory dissection of representative types.

**BIO 301 Microbiology 4 credits**

Prerequisite: Biology 103-104

Two lectures and four hours lab per week

The principles and practice of microbiology, with emphasis on bacteria, fungi, and viruses; their medical and industrial importance.

**BIO 302 Plant Physiology 4 credits**

Prerequisite: Biology 103-104

Two lectures and four hours lab per week

A lecture-and-laboratory study of anabolic and katabolic processes, growth responses, plant movements, and photoperiodism, with special emphasis on autotrophic plants.

**BIO 303 Genetics 4 credits**

Prerequisite: Biology 103-104

Two lectures and four hours lab per week

A statistical approach to the problems of heredity covering Mendelian factor inheritance, factor interactions, linkages, sex determination, Non-Mendelian inheritance, and species crosses, combined with laboratory work comprising statistical work and *Drosophila* crosses.

**BIO 304 Biological Techniques (Instrumentation) 4 credits**

Two lectures and four lab hours per week

The theory and practical application of various analytical procedures and the solution of biological problems by instrumentation; practical study of centrifuge, pH meter, analytical balance, dialysis techniques, countercurrent distribution, chromatography (paper, column, thin-layer, and gas liquid), spectroscopy (UV- VIS and IR); the use of fluorescent techniques in microbial identification.

**BIO 305 Biophysics 3 credits**

Prerequisite: Faculty approval

Three lectures per week

A study of physical factors, such as gravity, electro-magnetism, and radiations, which affect organisms as external stimuli or are produced by them.

**BIO 306 Parasitology 4 credits**

Prerequisite: Biology 103-104

Two lectures and four hours lab per week

A study of parasitic protozoa, platyhelminthes, nemathelminthes and arthropoda, stressing their relation to man and their control.

**BIO 401 Histology and Microtechnique 4 credits**

Prerequisite: Biology 202

Two lectures and four hours lab per week

A study of the microscopic anatomy of normal animal tissues and organs; the methods of preparing these materials for microscopic study.

**BIO 402 Vertebrate Physiology 4 credits**

Prerequisite: Chemistry 301

Two lectures and four hours lab per week

A lecture-and-laboratory study of physiological phenomena of vertebrates with special emphasis on the nervous, digestive, muscular, and excretory systems; the intermediary metabolism of proteins, fats, and carbohydrates.

**BIO 403 Endocrinology 3 credits**

Prerequisite: Biology 202 and 401

Three lectures per week

A survey of the glands of internal secretion; each of the endocrine glands will be considered according to structure, synthesis of hormones, regulation of function, action of hormones and the interrelationship with other components of the regulatory system.

**BIO 405 Mycology 3 credits**

Two lectures and two lab hours per week

General characteristics, life cycles, and life processes of higher and lower fungi, with special emphasis on antibiotic-producing soil fungi, and on identification of yeasts and molds pathogenic for plants, domestic animals, and man.

**BIO 406 Immunology 3 credits**

Two lectures and two lab hours per week

Basic principles of antigen-antibody interactions; active and passive immunity; the role of the lymphocyte; the rejection phenomenon; immunologic methods and measurements.

**BUSINESS LAW**

Professor Charles L. Savage, *Department Head*

**B L 101-102 Law of Persons 4 credits**

A survey of the origin and development of present day legal processes, together with the law of contracts, suretyship, agency, partnerships, and insurance.

**B L 301 Law of Property I 2 credits**

Prerequisite: Business Law 101-102

The law of corporations and negotiable instruments.

**B L 302 Law of Property II 2 credits**

Prerequisite: Business Law 301

The law of sales, bailments, carriers, wills and trusts.

## **BUSINESS MANAGEMENT**

Professor Stanley S. Willing, *Acting Department Head*

### **B M 201 Industrial Organization and Management 3 credits**

Principles and techniques underlying the successful management of men, materials, money, markets, and machines for maximum efficiency and proficiency; problems of management and the methods of solving them; activities developed from the problems of a manufacturing business, including planning, organizing, staffing, directing, controlling.

### **B M 202 Marketing 3 credits**

Prerequisite: Business Management 201 and 301

Policies concerning market research, product planning, brands, distribution channels, pricing, selling, sales promotion, and advertising; case problems.

### **B M 301 Management Theory and Practice 3 credits**

Prerequisite: Business Management 201

Critical examination of a wide range of theories and practices exploring the problems of how efficient output is attained by people working together in both medium-sized and large organizations, and how people are motivated to work so that activities are coordinated.

### **B M 302 Marketing Management 3 credits**

Prerequisite: Business Management 202

Factors affecting demand and methods of satisfying it; the structure of the market; marketing methods and problems of various agencies; competitive practices; the management of the selling activities of a business; distribution policies, pricing, and the planning of marketing operations; managerial aspects stressed.

### **B M 303 Corporate Finance 3 credits**

Prerequisite: Open only to seniors

Aspects of financing large corporations important in the functioning of the economy; the divorce of control from ownership; capital structure; mergers, acquisitions, and holding companies; security underwriting and marketing; reorganization.

### **B M 308 Business and Economic Statistics 3 credits**

Prerequisite: Mathematics 301

Application of the principles of collection, tabulation, and graphic representation of business and economic data to practical business usages; frequency distribution, correlation, standard deviation, and recognition of trends.

### **B M 400 Business Policies 3 credits**

Prerequisite: Open only to graduating seniors

Ways to achieve integration and balance among company-wide plans; problems of sales, production, personnel, marketing, finance, and organization considered in relation to the overall operations of the enterprise.

**B M 403 Financial Management 3 credits**

Prerequisite: Business Management 303

Effective management of working capital; budgeting as a tool of financial planning and control; profit planning; similar topics related primarily to the financing of business from internal sources.

**B M 404 Personnel Management 3 credits**

Prerequisite: Open only to seniors

Analysis of the day-to-day personnel problems of operating management; policy decisions involving selection, remuneration, work load, training, discipline, and similar areas; the implications of collective bargaining and the industrial relations responsibilities of the firm.

**B M 407 Market Research 3 credits**

Prerequisite: Business Management 202 and 302

An inter-disciplinary approach to the study of recognizing and isolating marketing 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.

**B M 408 Security Analysis 3 credits**

Prerequisite: Business Management 303

A detailed study of qualitative and quantitative methods of analyzing major types of securities, with greatest emphasis on equities; principles underlying the selection and management of both individual and institutional portfolios.

**CHEMISTRY**

Professor John Burke, *Department Head*

**CHE 001-002 Introduction to Chemistry 6 credits**

Two lectures and two lab-conference hours per week

For students not intending to major in science. Basic principles of inorganic, organic, physical, and biological aspects of chemistry.

**CHE 101-102 General Chemistry 8 credits**

Two lectures, one conference, and three lab hours per week

For the science major. Emphasis on quantitative aspects of chemistry at a more specialized level than in Chemistry 001-002.

**CHE 201 Analytical Chemistry 4 credits**

Prerequisite: Chemistry 102

Two lectures, one conference, and three lab hours per week

Quantitative study of gravimetric and volumetric analysis; solubility product, acid-base, oxidation-reduction and complex-formation phenomena considered with emphasis upon precision, resourcefulness, and chemical calculations.

**CHE 301, 302 Organic Chemistry 10 credits**

Three lectures, one conference, and five lab hours per week

Aromatic and aliphatic compounds; reaction mechanisms based on electronic theory; preparation of representative compounds and quantitative analysis.

**CHE 303 Inorganic Chemistry****3 credits**

Prerequisite: Chemistry 401

Three lecture hours per week

The study of bonding, structure, and reactions of inorganic compounds based on modern physical chemical concepts; coordination compounds and organometallic compounds.

**CHE 304 Biochemistry****4 credits**

Prerequisite: Chemistry 301

Two lectures and four lab hours per week

Physio-chemical approach; amino acids, proteins, carbohydrates, lipids, enzymes, intermediate metabolism; modern techniques for isolation, identification, and determination of compounds of biochemical significance.

**CHE 401-402 Physical Chemistry****8 credits**

Prerequisite: Departmental approval

Three lectures and four lab hours per week

Atomic, molecular, and crystal structure; thermodynamics; solution properties; chemical kinetics; electrochemistry.

**CHE 403 Advanced Physical Chemistry****3 credits**

Prerequisite: Chemistry 402

Three lecture hours per week

An advanced treatment of some of the topics introduced in Chemistry 401 and 402; quantum mechanics and statistical mechanics emphasized; application of these topics to thermodynamics, chemical bonding, and kinetics.

**CHE 404 Instrumental Methods of Analysis****4 credits**

Prerequisite: Departmental approval

Two lectures and five lab hours per week

Theory and laboratory work in spectroscopy, adsorption, and emission; electroanalytical chemistry and chromatography as they apply to analytical chemistry.

**CHE 405 Advanced Organic Chemistry****3 credits**

Prerequisite: Chemistry 302 and 402

Three lecture hours per week

Physical organic chemistry; emphasis on structure and reaction mechanisms; free radical chemistry.

**CHE 501, 502 Chemical Research****2 credits**

Prerequisite: Departmental approval

Independent research under faculty guidance. A required written report of the work may be considered part of the comprehensive examination required of all chemistry majors.

## ECONOMICS

Professor Michael Casey, *Department Head*

### **ECO 201 Principles of Economics I 3 credits**

Macro-economics; the foundation of economic analysis; national income, employment and economic growth; aggregate demand, saving and investment; economic fluctuations; monetary and fiscal policy; underdeveloped countries; comparative economic systems.

### **ECO 202 Principles of Economics II 3 credits**

Micro-economics; markets, the price system, and the allocation of resources; competition, monopoly, monopolistic competition, and oligopoly; government and business; the distribution of income.

### **ECO 301 European Economic Development 3 credits**

The historical growth and development of the major economic institutions in Europe up to modern times; the dynamic factors which make for economic growth and proliferation in Europe.

### **ECO 302 Economic Development of the United States 3 credits**

American economic life, largely since 1865; growth of business concentration; problems of agriculture; public utility and railroad regulation; labor organization and development; money, banking, and fiscal problems; capital formation and the distribution of national income; the depression and New Deal; the United States in the international economy.

### **ECO 306 Money and Banking 3 credits**

Money and credit; commercial banking; central banking; monetary theory and monetary and fiscal policy; other banking and credit institutions; international banking.

### **ECO 309 Labor Economics 3 credits**

An examination of labor concepts, markets, and problems; the development of the union movement and its impact upon society; modern labor legislation, the development of collective bargaining, and full employment concepts; unemployment, insecurity, and the operation of the labor market; government in labor problems; theories of wages and employment.

### **ECO 310 Economic Foundations of Latin America 3 credits**

The Latin American area as a present and potential market for United States products and a source of raw materials and foodstuffs; geographic factors of Latin America, customs of the area, present international investments and future possibilities, chief exports and imports, and future marketing potential; the laws of these nations as they affect trade relations with other countries.

### **ECO 311 Economic Geography 3 credits**

The natural environment in economic life; theories of location and the evolution of patterns of agricultural and industrial distribution; theories of geographical determinants of human behavior; sources and application of energy; the roles of selected commodities.



**ECO 312 Public Finance****3 credits**

The major types of revenue and expenditure problems of local, state, and national government; economic and social aspects of expenditure and underlying theories; revenues, tax shifting and incidence, public debt, the budget, and their relation to full employment.

**ECO 313 Comparative Economic Systems****3 credits**

Noncapitalist-oriented economies; capitalist-oriented economies; comparative economic statistics; consumption and investment decision-making; extracting agricultural produce; levels of living; labor under contrasting economic systems; over-all price movements and price policies; managerial decision-making; public finance and taxation; the uses of international trade; the roads to affluence.

**ECO 400 Seminar in Economics****3 credits**

Principles of research; bibliography; the application of statistical methods to a specific problem for individual research; recent developments in applied economics.

**ECO 403 International Economics****3 credits**

Principles, practices, and problems of world trade; equilibrating the balance of payments; the transfer problem; international propagation of income changes; the terms of trade between manufacturing and primary countries; the theory of comparative costs; protection and free trade; world trade organizations.

**ECO 405 History of Economic Thought I****3 credits**

Economic thought from the Greeks to the mid-nineteenth century; economic ideas of the Greeks and Romans; the economic thought and perspective of the Medieval Church; mercantilism; its clash with medievalism and its relation to the secular order; physiocracy; the emergence of a science of economics; Adam Smith and the liberal economy; Malthus and Ricardo; John Stuart Mill.

**ECO 406 History of Economic Thought II****3 credits**

Economic thought from mid-nineteenth century to the present post-Keynesian era; the rise of socialist protest; the historicist protest; marginalism and the emphasis on demand; the Marshallian neo-classical synthesis; the institutionalists; the development of less-than-pure competition; the Keynesian school: Keynes' work and the resulting controversy; present-day trends in the literature.

**ECO 407 Economics of American Enterprise****3 credits**

The American business sector; historical development of American business; the larger size of the producing unit in historical and analytical terms; benefits and abuses of business development through 1929; the changed structure and perspective of business since then; the Depression as a major turning point; the change in relationship between government and business; changing trends in business finance; the influence of business upon the economy.

**ECO 409 Economic Analysis 3 credits**

The law of supply and demand; the circular flow of money and income and the structure of production; the determination of national income and employment; the law of markets, profits, and losses; the classical theory of value, distribution, and employment; the modern theory of value and distribution under pure and restricted competition; utility and preference fields as basis of demand theory.

**ECO 410 Economic Fluctuations 3 credits**

Theory of the business cycle; Marx, Cassel, Schumpeter, Hawtrey, Hayek, Keynes, Harrod, Hansen; fluctuations in aggregate economic activity versus fluctuations in individual markets; the production of capital and consumers' durable goods for the balance of our economy; the monetary and financial structure in its relation to economic stability; growth and price stability; forecasting.

**EDUCATION**

Brother Cosmas Herlihy, O.S.F., *Department Head*

Information concerning the Teacher Training programs will be found on pages 50-51 of this catalogue.

**ED 201 Foundations of Education: History and Philosophy 2 credits**

The development of the various philosophies of education through a survey of ancient, medieval and modern education; the ends and means in education; educational theory in the United States today.

**ED 301 Methods, Problems, and Principles in Secondary Education 2 credits**

Methods and problems in junior and senior high schools and their relationship to basic principles; consideration of such topics as problems of transition in junior high school, secondary school organization, classroom management, lesson plans, problem-project method, evaluation, discipline, visual aids.

**ED 302 Educational Psychology 3 credits**

The application of Educational Psychology to the art of teaching and the science of learning with emphasis on growth and development, environmental influences, understanding of the individual pupils, nature and conditions of learning, transfer of past experiences, guiding pupils for personal adjustment and mental health.

**ED 401 Special Methods in Secondary School Teaching 2 credits**

The following courses are offered under the supervision of the Education Department by faculty members of the various fields involved.

**401c English.** Teaching various forms of writing and literature at 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 of communication on the secondary school curriculum studied and demonstrated by student participation; state syllabus used as a guide for demonstration lessons by students and instructor.

**401d Modern Languages.** Aims, methods, and objectives of present-day modern language teaching in high schools and junior high schools; practical exercises; visits to local schools.

**401e Mathematics.** The teaching of mathematics in grades 7 through 12; procedures, techniques, and materials; opportunities for student presentations and discussion of strengths and weaknesses.

**401f Social Studies.** Specific methods and techniques useful to the Social Studies teacher on the secondary level; teaching aids, use of library, current events, and bibliographical references; subject materials for the exceptional and the average student; the syllabi and aims in the various subject areas; model lessons; student participation in lesson planning and demonstration classes required.

**401g Reading and Spelling.** Special methods, aims and objectives in teaching reading and spelling on the secondary level; remedial and developmental techniques required for teachers on this level; use of Developmental Reading Laboratory and audio-visual aids; literature for adolescence in bibliographical and curriculum application; basic corrective techniques and testing in spelling and reading.

**401h Science.** A study of basic principles, classroom practices, and curriculum trends in secondary school science courses; experiences helpful to the prospective teacher in evaluating, selecting, and preparing materials for teaching science; visual aids, laboratory methods for individual and group experiments, and the organization of materials for classroom use.

**401i Religion.** Classroom management; general methods; positive approach to God; methods of teaching Sacred Scripture; adolescent psychology; group guidance; techniques of oral presentation.

**401j Accounting**

Prerequisite: Accounting 101-102

The teaching of accounting by modern methods in accordance with present-day concepts in business education; general principles and techniques of teaching a vocational business subject; skill development and the correct methods and techniques that should be used in accounting procedures.

**401k Office Practice**

Prerequisite: Accounting 408

The techniques and principles that are a necessary adjunct to the teaching of office practice and other business subjects; various plans of organization, methods and procedures for filing, indexing, systems, and controls, and the proper use of general office equipment.

**ED 402 Tests and Measurements**

**3 credits**

Designed for future teachers. The administration of the various tests used in a school situation; demonstrations of intelligence tests; the improvement of classroom tests; the use of test results by the administrator, teacher, and guidance counselor; the planning of classroom tests, — item types, writing effective test items, and the mechanical features of classroom tests.

**ED 404 Observation and Supervised Practice Teaching 6 credits**

Conferences, formal lectures, and discussions on students' experiences in classroom observation and practice teaching; critical evaluation through written reports of teaching methods, classroom management, lesson plans. During the senior year, students in the Teacher Training Program will spend a minimum of 80 class periods of supervised instructional experience in the secondary schools. Application for this course must be made during pre-registration for the spring semester of the senior year.

**PSY 404 Developmental Psychology II 3 credits**

(see course listing under Psychology)

It is strongly recommended that prospective teachers take Psychology 308, 404 and Speech 403.

**ELECTRONIC DATA PROCESSING**

Mr. William J. Lawlor, *Acting Department Head*

**EDP 201 Introduction to Electronic Data Processing 3 credits**

The capabilities and limitations of electronic data processing equipment and the fundamentals of problem solution by electronic data processing equipment, including problem description and analysis and problem solution's design and implementation. Investigation of current industrial applications.

**EDP 202 Electronic Data Processing Systems 3 credits**

Prerequisite: Electronic Data Processing 201

The fundamentals of system design involved in the investigation of large complex information systems; the methodology of computer programming and its implications on information systems; the role system analysis within industrial information systems.

**EDP 203 Introduction to Computer Programming 3 credits**

The functions and capabilities of a digital computer and the FORTRAN programming language.

**EDP 204 Advanced Computer Programming 3 credits**

Prerequisite: Electronic Data Processing 203

Symbolic programming languages as a base for the study of the structure of computer languages; the problems of large data file storage and retrieval as the basic problem of major applications of computers.

**ENGLISH**

Brother Giles Turbee, O.S.F., *Department Head*

**ENG 120, 121 Writing about Literature 6 credits**

A two-semester course intended to acquaint the student with the different types of literature (English 120: short story and novel; English 121: drama and poetry), and to have him write cogent, correct, and informed papers about them. Required for all students in the freshman year. English 120 offered every Fall, English 121 every Spring.

**ENG 299 Methods of Literary Research 3 credits**

Prerequisite: English 120, 121

Readings, discussions, and compositions centered on techniques in English literary history: problems in biography, authenticity, source study, chronology, interpretation, and the history of ideas. Offered every semester.

**ENG 301 Chaucer 3 credits**

Prerequisite: English 120, 121

A study, in the Middle English text, of *The Canterbury Tales*, *Troilus and Criseyde*, and selected minor works; and of the political, social, and cultural backgrounds of the fourteenth century. Offered Fall, 1970.

**ENG 302 Medieval English Literature 3 credits**

Prerequisite: English 120, 121

A study in modernized texts of the principal English works from the twelfth through the fifteenth centuries; and of some non-English works, such as the Arthurian material, which have an important bearing on English literature. Offered Spring, 1970.

**ENG 303 Drama in England to 1700 (Exclusive of Shakespeare) 3 credits**

Prerequisite: English 120, 121

A study of the origins of drama in England: mysteries, miracles, interludes, and farces; close reading of representative plays from the Elizabethan, Jacobean, and Caroline drama; the masque; the heroic play; bourgeois tragedy and Restoration comedy. Theatrical backgrounds from contemporary sources on the staging, acting, costume, and decor of the plays read. Offered Fall, 1969.

**ENG 304 Eighteenth-Century English Literature 3 credits**

Prerequisite: English 120, 121

A survey of the major literary figures of the Enlightenment — Dryden, Pope, Swift, Johnson — with particular attention given to works that are significant and representative; added study of important individual contributions to poetry, the novel, essay, and drama. Offered Spring, 1971.

**ENG 306 The Victorian Period: 1832-1900 3 credits**

Prerequisite: English 120, 121

A survey of the poetry and prose of the period, with particular emphasis on the works of Tennyson, Browning, Arnold, the Pre-Raphaelites, Newman, Carlyle, and Ruskin, as well as some representative novelists. Offered Fall, 1970.

**ENG 307 Sixteenth-Century English Literature 3 credits**

Prerequisite: English 120, 121

A survey of the non-dramatic literature of the period, tracing the roots and development of the Renaissance and Humanism in England; special emphasis on Wyatt and Surrey, Spenser, Sidney, and More. Offered Fall, 1969.

**ENG 308 Seventeenth-Century English Literature: 1600-1660 3 credits**

Prerequisite: English 120, 121

A study of the non-dramatic literature of the period, with special em-

phasis on the poems of Donne and Jonson and their followers; an examination of the prose works of Bacon, Browne, Burton, among others, as a reflection of the intellectual climate of the age. Offered Spring, 1970.

**ENG 401j, 401k American Literature: 1800-1920 6 credits**

Prerequisite: English 120, 121

Analysis of individual works of American literature and discussions of the intellectual, social, and political environments in which they were written.

**401j: (1800-1860)** Major emphasis on Cooper, Poe, Hawthorne, Emerson, Thoreau, Melville. Offered Fall, 1970.

**401k: (1860-1920)** Major emphasis on Whitman, Dickinson, Twain, James; realism, naturalism, and the new poetry. Offered Spring, 1971.

**ENG 402x, 402y Shakespeare 6 credits**

Prerequisite: English 120, 121

Representative tragedies, comedies, and histories; Shakespeare's non-dramatic poetry; Elizabethan theatrical backgrounds.

**402x: The tragedies.** Offered Fall, 1969.

**402y: The comedies, histories, non-dramatic poetry.** Offered Spring, 1970.

**ENG 403 The Romantic Movement 3 credits**

Prerequisite: English 120, 121

A survey of the poetry and prose of the period, with major emphasis on the poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats; briefer study of the "Pre-Romantic" poets, the novelists Scott and Austen, and the essayists Lamb and Hazlitt. Offered Fall, 1969.

**ENG 404 Milton 3 credits**

Prerequisite: English 120, 121

A comprehensive study of Milton's poetic works; readings of selected prose works in order to illustrate the social, cultural, and religious conflicts of Milton's age. Offered Spring, 1971.

**ENG 405 Modern British Literature 3 credits**

Prerequisite: English 120, 121

A formal introduction to the literature of the period from 1890 to the present; major emphasis placed on the works of Yeats, Eliot, Conrad, Joyce, Lawrence; further perspective provided by the study of a few representative continental writers. Offered Fall, 1970.

**ENG 407 World Literature 3 credits**

Prerequisite: English 120, 121

Readings in translation of great works from continental European literature, given in a cycle of four parts. (One part offered each semester)

a. Drama. Offered Fall, 1970.

b. Epic. Offered Fall, 1969.

c. Novel. Offered Spring, 1971.

d. Literary Criticism. Offered Spring, 1970.

**ENG 408 Advanced Writing 3 credits**

Prerequisite: English 120, 121

A review of English fundamentals; analysis and application of the major forms of discourse; special emphasis on advanced problems of exposition;

consideration of recent developments in semantics, structural linguistics, theories of rhetoric and written media of mass communication; free assignments to meet the needs and desires of individual students. Offered Spring, 1970.

**ENG 410 History of the English Language**

**3 credits**

Prerequisite: English 120, 121

A history of the English language from the earliest times to the present; attention devoted to both internal history of the language-sounds, inflections, vocabulary, etc. — and the external factors in the political, social, and intellectual areas which have brought about linguistic change. Offered Spring, 1971.

**ENG 450 Seminar**

**3 credits**

Limited to seniors taking degrees in English; others admitted only with permission of the instructor and the head of the department. Offered every semester.

**FINE ARTS**

Brother Camillus Casey, O.S.F., *Department Head*

**F A 401 Music Appreciation**

**3 credits**

A survey of the important music and musicians of the Western World from the beginning of the Christian Era to the present. Recorded illustrations and lectures.

**F A 402 Orientation in Art**

**3 credits**

A simple approach to the understanding of the plastic arts on a conceptual basis, including within its scope historical and aesthetic materials.

**FRENCH**

Brother Camillus Casey, O.S.F., *Department Head*

1 yr **FRE 101-102 Elementary French**

**6 credits**

A course designed to promote the attainment of audio-lingual skills in the French language. For students who have not previously studied French or who have studied it for only one year in high school.

2 yr **FRE 103-104 Intermediate French**

**6 credits**

Prerequisite: French 102 or two years of high-school French

A course designed to insure control of elementary audio-lingual skills and to develop these skills further; emphasis on developing reading skills.

3 yr **FRE 105-106 Advanced French**

**6 credits**

Prerequisite: French 104 or three years of high-school French

Conversation and reading; emphasis on developing writing skills.

**FRE 201-202 Masterpieces of French Literature**

**6 credits**

Prerequisite: French 106

Reading and discussion of major works from the medieval period to the twentieth century; elementary *explication de textes*; composition.

**FRE 301 Seventeenth-Century Literature**

**3 credits**

Prerequisite: French 201-202

A study of the social and philosophical movements, and discussion of the significant authors of this period as examples of the spirit of their age.

**FRE 302 Advanced Phonetics 3 credits**

Prerequisite: French 202

A systematic study of articulation and intonation intended for teachers.

**FRE 303 Advanced Conversation 3 credits**

Prerequisite: French 202

A course designed to develop the technique and vocabulary of discussion as a supplement to expression in the areas of experience.

**FRE 304 Nineteenth-Century Literature 3 credits**

Prerequisite: French 201-202

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

**FRE 401 Contemporary French Drama 3 credits**

Prerequisite: French 201-202

A survey of the development of French drama from 1870 to the present day; both the literary and technical character of its evolution will be studied in the most representative plays.

**FRE 402 Lyric Poetry in the Nineteenth Century 3 credits**

Prerequisite: French 201-202

A study and appreciation of the poetical development in France from Lamartine to Verlaine.

**FRE 403 Twentieth-Century Literature 3 credits**

Prerequisite: French 201-202

A study of the development of French literature from 1900 to the present.

**FRE 404 Advanced Prose Composition 3 credits**

Prerequisite: French 202

A study of the stylistic structure of sentences and paragraphs; review of grammar when necessary.

**FRE 405 French Civilization and Culture 3 credits**

A study of the characteristics of French culture based upon anthropological and sociological studies; humanistic and scientific contributions to civilization; readings and reports.

**FRE 408 Eighteenth-Century Literature 3 credits**

Prerequisite: French 202

A study of the literature of the eighteenth century as a reflection of the historical, social, and cultural development of France.

**GEOGRAPHY**

Professor Michael Casey, *Department Head*

**GEO 312 Introductory Geography 3 credits**

Recommended for teacher training in Social Studies.

A study providing an orderly examination of the world's spatial complexities; emphasis on landscape features, transportation, landforms, vegetation, soil, land cultivations.



## GERMAN

Brother Camillus Casey, O.S.F., *Department Head*

### **GER 101-102 Elementary German** **6 credits**

A course designed to promote the attainment of audio-lingual skills in the German language. For students who have not previously studied German or who have studied it for only one year in high school.

### **GER 103-104 Intermediate German** **6 credits**

Prerequisite: German 102 or two years of high-school German

A course to insure control of elementary audio-lingual skills and to develop these skills further; emphasis on developing reading skills.

### **GER 105-106 Advanced German** **6 credits**

Prerequisite: German 104 or three years of high-school German

Conversation and reading; emphasis on developing writing skills.

### **GER 201-202 Masterpieces of German Literature** **6 credits**

Prerequisite: German 106

Reading and discussion of major works from the medieval period to the twentieth century; composition.

## GREEK

Professor Arthur Kaplan, *Department Head*

### **GRK 101-102 Elementary Greek** **6 credits**

Introduction to Greek language and literature. Credit for this course is allowed only to those who have not offered Greek for entrance.

### **GRK 203 Intermediate Greek** **3 credits**

Prerequisite: Greek 102 or equivalent

Study of Homer and the epic; readings.

### **GRK 204 Advanced Greek** **3 credits**

Prerequisite: Greek 203 or equivalent

Study of the language of the New Testament; emphasis on St. John and St. Luke.

### **GRK 407 Greek Civilization** **3 credits**

Growth and development of Greek thought and culture through readings in translation of the masterpieces in art and literature, science and mathematics, philosophy and religion, and in the fields of political, social, and economic endeavor. Knowledge of Greek not necessary.

## HEALTH EDUCATION

### **H E 101-102 Activities** **1 credit**

Theory and practice in physical education; organization, fundamentals, skills, training and teaching techniques in sports.

### **H E 201 Recreation** **½ credit**

Principles of recreation; organization and administration of recreational programs in playgrounds and community centers.

**H E 202 Health and Safety****½ credit**

The essential understanding necessary for safe living; the causes of accidents and their prevention; first-aid treatment of injuries.

**HISTORY**

Professor James Flynn, *Department Head*

**HIS 101-102 Survey of Western Civilization****6 credits**

A two-semester survey of the principal political, economic, social, religious, cultural, and intellectual forces in Western Civilization.

**HIS 201 History of the United States 1896-1967****3 credits**

The major economic, social, intellectual, and political movements of the twentieth century in the United States.

**HIS 202 Ancient History****3 credits**

A study of ancient history from the origin of man to the "Fall of Rome"; contributions made by the ancient world to modern civilization.

**HIS 301 Medieval History****3 credits**

A survey of a history of the Middle Ages; feudalism, universities, monarchy, church, the Hundred Years' War.

**HIS 302 History of Modern Russia****3 credits**

A study of Russia since 1861; liberal reform, anarchism, industrialism, Bolshevism, World Wars I and II.

**HIS 303 The World in the Twentieth Century****3 credits**

A study of world history as seen from our century; the Russo-Japanese War, problems in Africa, the Balkan question, World Wars I and II; the conferences during and after the wars.

**HIS 304 English Political and Constitutional History****3 credits**

A study of the development of constitutional history against the political background; the basis and background of American legal institutions.

**HIS 305 Latin American History I****3 credits**

A survey of Latin American history from pre-conquest days through the independence movement; relationships of the period to present-day Latin America.

**HIS 306 Latin American History II****3 credits**

A survey of contemporary Latin America; church-state relationships, land, labor, trade, and culture.

**HIS 307 American Minorities****3 credits**

A survey of the peopling of the North American continent, with particular emphasis upon the United States.

**HIS 310 A Modern History of the Church****3 credits**

A survey of the Church with emphasis on the period from the Protestant Revolt to the pontificate of Paul VI.

**HIS 311 A History of the Black American 3 credits**

A study of the Black American from 1619 to the present, with emphasis placed on the blacks in the United States during the twentieth century.

**HIS 400 Historical Seminar 3 credits**

A thesis seminar. Emphasis placed on research and historical criticism. Divided into two separate seminars — Brooklyn History and Problems of the Western Hemisphere.

**HIS 401 History of the United States:  
The Age of Discovery — 1789 3 credits**

A survey from the earliest explorations and discoveries to government under the Constitution; the colonial struggles, the dominance of Great Britain, the Revolutionary War, the "Critical Period."

**HIS 402 History of the United States: 1789-1898 3 credits**

A study of the United States as it struggled to set the new government into motion; political, economic, cultural, and diplomatic developments in the nineteenth century.

**HIS 403 Modern European History: 1500-1815 3 credits**

A study of the history of Europe from the beginnings of the religious revolts to the Congress of Vienna; the Thirty Years' War, the Commercial Revolution, the rise of the nation-state, the causes and effects of the French Revolution.

**HIS 404 Modern European History: 1815 to the Present 3 credits**

A study of Europe from the era of Metternich to the present; emphasis on the rise of Prussia, the Franco-Prussian War, the alliances and alignments as causes for World War I; the rise of Nazism, Facism, and Communism.

**HIS 405 Cultural and Social History of the United States 3 credits**

A study of the cultural and social developments in the United States; the trends of literature, arts, science, and philosophy as America comes of age.

**HIS 406 Current Problems 3 credits**

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 in the spring semester on a four-year cycle.

**HIS 407 Survey of United States Foreign Relations 3 credits**

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.

**HIS 408 Historiography 3 credits**

A study of the sources of history; historians from major periods; the intellectual viewpoint in history; the distinctive types of historical writing.

## LATIN

Professor Arthur Kaplan, *Department Head*

### **LAT 101-102 Elementary Latin**

**6 credits**

Introduction to Latin language and literature. Credit for this course is offered only to those who have not offered Latin for entrance.

### **LAT 103 Intermediate Latin**

**3 credits**

Prerequisite: Latin 102 or two years of high-school Latin  
Reading selections; emphasis on Cicero, Ciceronian style.

### **LAT 106 Advanced Latin**

**3 credits**

Prerequisite: Latin 103 or three years of high-school Latin  
Reading selections; emphasis on Virgil; study of prosody.

### **LAT 203 Latin History**

**3 credits**

Prerequisite: Latin 106 or equivalent  
Reading selections; emphasis on Livy; study of historiography.

### **LAT 204 Latin Drama**

**3 credits**

Prerequisite: Latin 106 or equivalent  
Readings in Plautus, Seneca; origins of drama.

### **LAT 301 Latin Satire**

**3 credits**

Prerequisite: Latin 203 and 204  
Readings in Horace, Juvenal, Martial; study of satire.

### **LAT 302 Medieval Latin**

**3 credits**

Prerequisite: Latin 203 and 204  
Introduction to the language and literary forms of the Latin Middle Ages; reading selections.

### **LAT 408 Latin Civilization**

**3 credits**

Growth and development of Roman thought and culture through readings in translation of the masterpieces; consideration of the transition between the Greek and Roman worlds, and the effects of the ancient classical culture on the medieval and modern eras. Knowledge of Latin not necessary.

## MATHEMATICS

Brother Leo Quinn, O.S.F., *Department Head*

### **MAT 105 College Algebra**

**3 credits**

Postulates; number system; linear and quadratic equations and functions; inequalities; mathematical induction; binomial theorem; determinants and matrices.

### **MAT 108 Principles of Mathematics**

**3 credits**

Prerequisite: Mathematics 105

An introduction to differential and integral calculus with the analytic geometry of simple conics and functions; emphasis on applications, including the calculus of polynomial, logarithmic, and exponential functions.

### **MAT 202 Calculus I**

**4 credits**

Prerequisite: Intermediate Algebra and Trigonometry or Eleventh Year Mathematics

Emphasis given to calculus, including the differentiation and integration of simple algebraic forms, areas, volumes, rate and distance problems,

differentials, approximate integration; polar coordinates and parametric equations are also studied.

**MAT 203 Calculus II**

**3 credits**

Prerequisite: Mathematics 202

Derivatives of trigonometric, logarithmic, and exponential functions, integration by formal methods, by parts, by trigonometric substitution, by partial fractions; areas and volumes; arc length and surface areas; approximate integration.

**MAT 301 Statistics**

**3 credits**

Prerequisite: Mathematics 105 or 202

A study of the principles and methods underlying collection of data, tabular and graphic representation, frequency distributions.

**MAT 304 Calculus III**

**3 credits**

Prerequisite: Mathematics 303

Convergent and divergent series; expansion of functions in series; partial derivatives; double and triple integrals with applications; vector algebra with applications.

**MAT 305 Theory of Equations**

**3 credits**

Prerequisite: Mathematics 202

Complex numbers, polynomials, algebraic equations, solutions of cubic and biquadratics; Cardan's and Ferrari's formulas; ruler and compass constructions; determinants and matrices.

**MAT 307 Probability and Statistics I**

**3 credits**

Prerequisite: Mathematics 303

A study of probability in finite sample spaces, discrete type random variables, and probability density functions with emphasis on the binomial and Poisson distributions and their applications to testing statistical hypotheses.

**MAT 308 Probability and Statistics II**

**3 credits**

Prerequisite: Mathematics 307

Continuous type distributions, sampling theory, transformations of variables, point estimation, sufficiency and stochastic independence, limiting distributions, and statistical hypotheses.

**MAT 309 College Geometry**

**3 credits**

An extension of Euclidean geometry; a critical evaluation of the Euclidean postulates; a study of other geometries: projective, other non-Euclidean geometries.

**MAT 400 Mathematics Seminar**

**2 credits**

Restricted to senior and qualified junior mathematics majors.

A lecture and problem seminar.

**MAT 401 Differential Equations I**

**3 credits**

Prerequisite: Mathematics 303

Methods of solving ordinary, differential equations with applications to problems in geometry, physics, and chemistry; differential equations of the first order and the first degree or degree higher than first, and of the second order; linear differential equations with constant coefficients.

**MAT 402 Differential Equations II**

**3 credits**

Prerequisite: Mathematics 401

Methods of equations of order higher than the first; integration in series; Legendre's equation; Bessel's equation; total differential equations; partial differential equations of the first order and of higher orders; Fourier series; applications.

**MAT 403 Advanced Calculus I**

**3 credits**

Prerequisite: Mathematics 304

Rolle's theorem; law of the mean; partial differentiation and implicit functions; Taylor's series; differentiation and integration under integral sign; line integrals; theory of integration.

**MAT 404 Advanced Calculus II**

**3 credits**

Prerequisite: Mathematics 403

Series—absolute and uniform convergence; special integrals; improper integrals; gamma and beta functions; introduction to complex functions.

**MAT 406 Theory of Numbers**

**3 credits**

Prerequisite: Mathematics 202

An introductory course dealing mainly with divisibility, number theorems, theory and congruences, quadratic residues, and Diophantine equations.

**MAT 407 Vector Analysis**

**3 credits**

Prerequisite: Mathematics 304

The algebra and calculus of vectors, coordinate systems, scalar or dot product; applications to space geometry; vector operators, divergence of a vector, and curvilinear coordinates; line and surface integrals; Stoke's theorem and applications.

**MAT 408 Numerical Analysis**

**3 credits**

Prerequisite: Mathematics 304 and 401 and Electronic Data Processing 203

Number systems; solution of polynomial equations; series expansions; operations on matrices and determinants; special functions.

**MAT 409 Introduction to Modern Algebra**

**3 credits**

Prerequisite: Mathematics 303

Sets and mappings; theory of groups, rings, and fields; isomorphism; the field of real numbers and the field of complex numbers.

**MAT 410 Functions of a Complex Variable**

**3 credits**

Prerequisite: Mathematics 403

Point set theory; algebra of complex numbers; complex analysis; Cauchy-Riemann partial differential equation; Cauchy-Goursat theorem; conformal maps.

**MAT 412 Linear Algebra**

**3 credits**

Prerequisite: Mathematics 304

Vector spaces; basis; dimension; systems of linear equations; matrices and determinants; scalar product; orthogonality and eigen-values.

**MAT 414 Topology****3 credits**

Prerequisite: Mathematics 403

Point set theory; compactness; connectedness; homology; manifolds and mappings.

**PHILOSOPHY**Brother Pascal Kelly, O.S.F., *Department Head***PHI 201-202 Fundamentals of Philosophy****6 credits**

The problems and methods of philosophy through a study of such issues as self-evident principles, appearance and reality, truth and opinion, certitude, mind and body, and determinism and freedom. Prescribed readings from the works of major philosophers examined.

**PHI 305 History of Greek Philosophy****3 credits**

Prerequisite: Philosophy 201-202

Early Greek philosophy; the Sophists; Socrates; Plato; the Academy and Platonism; Aristotle; Stoicism; Epicureanism; Scepticism; Neoplatonism and Plotinus. Discussion and analysis of representative texts.

**PHI 306 History of Medieval Philosophy****3 credits**

Prerequisite: Philosophy 201-202

A survey of philosophical thought from St. Augustine to William of Ockham, including the major figures among the Arabic and Jewish philosophers; representative texts discussed and analyzed and particular attention to the problem of the relation between religious belief and philosophical inquiry in the various forms in which it was raised in the Middle Ages.

**PHI 307 History of Modern Philosophy****3 credits**

Prerequisite: Philosophy 201-202

A survey of philosophical thought from Descartes to Hegel; representative texts discussed and analyzed; attention given to the relationship of individual thinkers to the intellectual background of their age.

**PHI 309 Philosophy of Communism****3 credits**

Prerequisite: Philosophy 201-202

Basic philosophical concepts, sources, and backgrounds of Marxism and communism; dialectical and historical materialism; Hegel and Feuerbach; the problem of history; the meaning of work; the notion of superstructure; the concept of revolution.

**PHI 310 American Philosophy****3 credits**

Prerequisite: Philosophy 201-202

Distinctive characteristics and specific contributions of American thought analyzed and discussed, as reflected in the work of thinkers such as Edwards, Emerson, James, Royce, Dewey, Pierce, and Whitehead.

**PHI 312 History of Contemporary Philosophy****3 credits**

Prerequisite: Philosophy 201-202

A history of contemporary philosophy tracing the development of such movements as phenomenology, existentialism, logical positivism, and linguistic analysis.

**PHI 314 Logic 3 credits**

Definition; the proposition; immediate inference; syllogistic and non-syllogistic argument; induction and scientific method; formal and informal fallacies. Discussion and exercises.

**PHI 321 Metaphysics I 3 credits**

Prerequisite: Philosophy 201-202

A systematic and intensive study of fundamental concepts, methods, and problems of metaphysics based upon analysis and discussion of selected texts from the works of ancient and medieval philosophers.

**PHI 322 Metaphysics II 3 credits**

Prerequisite: Philosophy 201-202

A continuation of the study undertaken in Philosophy 321; discussion and analysis of selected texts from the works of major figures among the philosophers of the modern period.

**PHI 403 Moral Philosophy 3 credits**

Prerequisite: Philosophy 201-202

Basic positions in moral philosophy, with particular attention to the question of relationships between a given ethic and its corresponding conception of man and of being.

**PHI 404 Political Philosophy 3 credits**

Prerequisite: Philosophy 201-202

Fundamental concepts and problems in political philosophy: law, power, freedom, tyranny, political society; analysis and discussion of representative texts in political philosophy.

**PHI 408 Medical Morals 1 credit**

Prerequisite: Philosophy 403

Discussion and analysis of the currently significant moral problems in the practice of medicine and surgery.

**PHI 411, 412 Problems and Methods in Contemporary Philosophy 6 credits**

Prerequisite: Philosophy 201-202 and permission of the Department Head.

An advanced course; a few representative texts and typical problems in contemporary philosophy examined closely each semester in terms of the manner in which they exemplify characteristically contemporary conceptions of the problems and methods of philosophy. Particular topics for each term's work specified by the Department in accordance with the needs of its students.

## PHYSICS

Professor John Burke, *Department Head*

**PHY 101-102 General Physics 8 credits**

Two lectures, two recitations, and two lab hours per week

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.



**PHY 201 Mechanics I****3 credits**

Prerequisite: Physics 101-102

Vectors; statics; work and the stability of equilibrium; oscillatory motion in one dimension; motion of a system of particles; motion of a rigid body in two and three dimensions; central force fields; accelerated reference systems; normal coordinates and wave motion; introduction to Lagrangian and Hamiltonian mechanics.

**PHY 202 Electricity and Magnetism I****3 credits**

Prerequisite: Physics 201

Vector calculus; electrostatic fields; solutions of Laplace's equation and Poisson's equation; dielectrics; magnetic fields due to steady currents; magnetic potentials; magnetic media; Maxwell's equations; plane electromagnetic waves and radiation.

**PHY 303 Modern Physics****3 credits**

Prerequisite: Physics 201

Special theory of relativity; waves and particles; atomic structure; Bohr-Sommerfeld theory; introduction to quantum mechanics with detailed application to the hydrogen atom; electron spin and complex atoms; the physics of molecules; the atomic nucleus, nuclear decay, and nuclear reactions.

**PHY 304 Thermodynamics****3 credits**

Prerequisite: Physics 201

The first and second laws of thermodynamics with various applications; introduction to the kinetic theory of gases and statistical mechanics.

**PHY 306 Optics****3 credits**

Prerequisite: Physics 202

Principles of reflection, refraction, and interference; Fresnel and Fraunhofer diffraction; dispersion, polarization, and radiation.

**PHY 311 Intermediate Laboratory****2 credits**

Prerequisite: Physics 101-102

Four lab hours per week

Basic experiments selected from atomic physics, electricity, magnetism, or optics so chosen to meet the interests of the individual student.

**PHY 401 Mechanics II****3 credits**

Prerequisite: Physics 202

Variational principles and Lagrange's equations; rigid body motion; Hamilton's equations; canonical transformations; Hamilton-Jacobi equation; small oscillations.

**PHY 402 Electricity and Mechanics II****3 credits**

Prerequisite: Physics 202

Maxwell's theory; electromagnetic waves in free space and matter; guided waves; radiation of a moving charge.

**PHY 405-406 Mathematical Physics**

**6 credits**

Prerequisite: Physics 202

Partial differential equations of physics and their solutions; Sturm's theory of ordinary differential equations; eigenvalue problem for matrices; calculus of variations; Fourier expansions; Legendre polynomials and Bessel functions; spherical harmonics; Fourier integral and transforms; Green's functions.

**PHY 412 Advanced Laboratory**

**2 credits**

Prerequisite: Physics 310

Four lab hours per week

Selected experiments in atomic physics, electricity and magnetism, electronics, or optics chosen according to the interests of the student. The experiments are more detailed and require more background in physics than those on the intermediate level.

**PHY 413, 414 Electronics**

**8 credits**

Prerequisite: Physics 101-102

Three lectures and two lab hours per week

Electron ballistics; electron emission from metals; vacuum and gas tubes; rectifier circuits; amplifying circuits; vacuum tube oscillators; modulation and detection; semi-conductors and solid state physics devices; experimental study of these topics in the laboratory.

**POLITICAL SCIENCE**

Professor Alexander Doska, *Department Head*

**POL SC 204 American National Government**

**3 credits**

A study of the constitutional basis, structure, and functioning of American National Government; the legislature, executive, judiciary; public opinion; pressure groups; the electoral system.

**POL SC 301 Comparative Government**

**3 credits**

A study of the basic political ideas and institutions of the major foreign powers; the evolutions of the principles, methods, and problems of European and American governments.

**POL SC 303 American Political Parties**

**3 credits**

A study of the American party system; the men who made the parties; development of the two-party system; a survey of third parties.

**POL SC 304 State and Local Government**

**3 credits**

A study of the governmental structure of the states and local government; the similarities and differences in the executive, legislative, and judicial branches on both levels.

**POL SC 305 Politics and Administration in Latin America**

**3 credits**

A study of the forms of organization, function, and operation of governments in the Latin American countries; church and state; political stability; labor; economic conditions.

**POL SC 400 Political Science Seminar****3 credits**

A course for seniors majoring in political science. The student will be guided in the selection of a senior thesis topic. Regular classroom lectures will be offered on the scope and methodology of contemporary political science.

**POL SC 401 History of Political and Social Thought****3 credits**

A study of the theory of state and society from the ancient Greeks to the present; emphasis on modern political and sociological theory.

**POL SC 402 American Constitutional Law****3 credits**

A study of the English background of the American Constitution and law; Marshall's court; rights and nullification; development of national authority.

**POL SC 404 Government and Business, 1865-Present****3 credits**

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 to government control; decisions of the courts; state police powers.

**POL SC 405 Introduction to Law****3 credits**

A study of the basic legal constitutions and processes in private and public law; the common law; the link of great documents of history such as Hammurabi's Code and Magna Carta.

**POL SC 406 International Relations****3 credits**

A study of international politics, organizations, and law; the significance of international law from Hugo Grotius to the present; the work of the League of Nations compared to the successes and failures of the United Nations.

**PORTUGUESE**

Brother Camillus Casey, O.S.F., *Department Head*

**POR 101-102 Elementary Portuguese****6 credits**

The attainment of audio-lingual skills in the Portuguese language. For students who have not previously studied Portuguese or who have studied it for only one year in high school.

**PSYCHOLOGY**

Brother Gerald Gilmartin, O.S.F., *Department Head*

**PSY 201 General Psychology****3 credits**

General introduction to psychology as a science; the data, methodology, and purposes of psychology.

**PSY 300 Psychology Statistics****3 credits**

The use of statistics in psychology; descriptive and inferential techniques, prediction, and tests of significance.

**PSY 303-304 Experimental Psychology****6 credits**

Prerequisite: Psychology 300

An experimental approach to the study of human behavior; sensation, learning, motivation, psychological techniques, emotion; individual and group research, experimentation, and report writing.

**PSY 308 Psychology of Mental Health****2 credits**

Dynamic approach to personality and behavior; analysis of emotional problems in living and underlying principles of behavior.

**PSY 309 Tests and Measurements****3 credits**

The theoretical framework, underlying principles, and techniques of psychological tests; tests of aptitude, achievement, interest, and personality.

**PSY 310 Psychology of Learning****3 credits**

Major theories of learning and significant research findings in the areas of learning, motivation, and behavioral modification.

**PSY 403 Developmental Psychology I****3 credits**

Human development from conception to early adolescence; psychophysiological development and theories of personality development.

**PSY 404 Developmental Psychology II****3 credits**

Human development from puberty to early adulthood; psychophysiological development and psychosocial problems of adolescence.

**PSY 406 Personality Theories****3 credits**

Theories of personality; structure and measurement of personality variables.

**PSY 408 Physiological Psychology****3 credits**

The interrelationship of the physiological structure and behavior of the organism; consideration of the structure and function of the nervous system, the neurophysiological foundation of sensation, perception, and emotion; comparative studies on neurophysiological structure and response.

**PSY 409 Abnormal Psychology****3 credits**

Deviant human behavior from a psychodynamic point of view; etiology, symptom pattern, underlying dynamics and treatment of emotional illness.

**PSY 410 Social Psychology****3 credits**

Social dimensions in psychology; reciprocal contributions of the behavioral sciences to the understanding of human behavior.

**PSY 411 Systematic Psychology****3 credits**

The history of psychology with special emphasis on the contribution of contemporary psychological research and theories.

**PSY 420 Senior Seminar****3 credits**

Prerequisite: Psychology 303-304

Research, discussion, and evaluation of a significant area in contemporary psychological thought; writing the senior thesis.

**RUSSIAN**

Brother Camillus Casey, O.S.F., *Department Head*

**RUS 101-102 Elementary Russian****6 credits**

The attainment of audio-lingual skills in the Russian language. For students who have not previously studied Russian or who have studied it for only one year in high school.

**RUS 103-104 Intermediate Russian****6 credits**

Prerequisite: Russian 102 or two years of high-school Russian

Control of elementary audio-lingual skills and further development of those skills; emphasis on reading skill.

**SCIENCE**

Professor John Burke, *Department Head*

**SCI 301-302 General Earth Science****6 credits**

Two lectures and two hours of laboratory and demonstration each week

A study of the solar system; basic concepts of climate; study of the structure and composition of the earth.

**SCI 400 A, B, C, D Science Seminar****1 credit**

Discussion of methods and problems in the physical sciences, stressing the interrelations and integrations of the individual sciences. Special topics presented and discussed by faculty members and students.

Students may take one or all parts of this course with the permission of the Division Chairman. One part offered each semester.

**SOCIAL STUDIES**

Professor James Flynn, *Department Head*

**S S 400 Social Studies Seminar****3 credits**

A thesis seminar. Lectures will focus on a special subject determined each year by the Divisions. Students may determine the area in which they will write the thesis.

**SOCIOLOGY**

Professor Edna O'Hern, *Department Head*

**SOC 203 Principles of Sociology****3 credits**

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.

**SOC 301 Social Problems****3 credits**

Prerequisite: Sociology 203

An inquiry into the nature of social problems, both causes and consequences, within complex, industrial society, and in the perspective of social change.

**SOC 302 Physical Anthropology**

**3 credits**

Prerequisite: Sociology 203

A systematic examination of theories of human evolution; an investigation into genetic processes, the physiological basis for culture, ecology, racial origins and their classifications; a consideration of eugenics.

**SOC 303 Criminology**

**3 credits**

Prerequisite: Sociology 203

A study of theories of causation of crime and delinquency, of criminal and delinquent behavior in contemporary society, and of society's treatment of the offender.

**SOC 304 Sociology of the Community**

**3 credits**

Prerequisite: Sociology 203

Analysis of the community's functions and types, both traditional and contemporary; the impact of the urban, industrial, mass society on community, family, and individual.

**SOC 305 Social Anthropology**

**3 credits**

Prerequisite: Sociology 203

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.

**SOC 307 The Peoples of Latin America**

**3 credits**

Prerequisite: Sociology 203

A comparative survey of the interacting cultures of Latin America and the impact of Western civilization upon them; an analysis of problems and institutional conflict generated by social change in under-developed nations.

**SOC 308 Introduction to Social Work**

**3 credits**

Prerequisite: Sociology 203

Historical background and development of the principles of social service; analysis of the three major areas of social work: casework, group work, and community organization.

**SOC 309 Sociology of Communication**

**3 credits**

Prerequisite: Sociology 203

Primary and secondary communication systems. Language in socialization, social organization, and social control; theories of communication. Modern mass communication media: structure, content, and effects.

**SOC 311-312 Social Research Methods**

**6 credits**

Prerequisite: Sociology 203

(Soc. 311) Preparation of a research proposal. Formulation of the problem, survey of relevant literature, definition of concepts, preparation of research design and research tools.

(Soc. 312) Implementation of research proposal prepared in Soc. 311. Gathering and analysis of data; preparation of research report.

**SOC 400 Sociology Seminar****3 credits**

A coordinating seminar for the senior sociology majors only, for the purpose of integrating sociological knowledge, and for considering some of sociology's particular problems, e.g., sociology's scientific status, the place of values in the study of society, the relationship of sociology to other academic fields.

**SOC 401 Sociology of Politics****3 credits**

Prerequisite: Sociology 203

Contributions of sociology to theory and research in political behavior; analysis of the social bases of power and the political processes in organized groups.

**SOC 402 Sociology of the Family****3 credits**

Prerequisite: Sociology 203

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 civilizational processes.

**SOC 403 Industrial Sociology****3 credits**

Prerequisite: Sociology 203

A study of human relationships in occupational groups; industrial organization; the political, economic, and ideological effects of technology, unionism, and bureaucracy.

**SOC 404 Theory and History of Sociology****3 credits**

Prerequisite: Sociology 203, 311-312

A systematic survey of the growth of sociological theory; a study of influential individuals and representative schools from Auguste Comte to the present day.

**SOC 405 Contemporary Sociological Theory****3 credits**

Prerequisite: Sociology 203

An examination of major currents in sociological thought of the twentieth century; systematic explanation of the dimensions of sociology as conceived by seminal sociologists of Europe and the United States (Weber, Mannheim, Mills, Merton, and Parsons).

**SOC 406 Sociological Statistics****3 credits**

Prerequisite: Sociology 203

Sampling techniques. Statistical techniques most commonly used in the analysis of sociological data.

**SOC 407 The Sociology of Religion****3 credits**

Prerequisite: Sociology 203

The function of religion in a changing society: the nature of religious organizations (church and sect); religious movements, leadership, and communities; sacralization and secularization in the primitive and modern worlds.

## SPANISH

Brother Camillus Casey, O.S.F., *Department Head*

### **SPA 101-102 Elementary Spanish**

**6 credits**

A course designed to promote the attainment of audio-lingual skills in the Spanish language. For students who have not previously studied Spanish or who have studied it for only one year in high school.

### **SPA 103-104 Intermediate Spanish**

**6 credits**

Prerequisite: Spanish 102 or two years of high-school Spanish

A course to insure control of elementary audio-lingual skills and to develop these skills further; emphasis on developing reading skills.

### **SPA 105-106 Advanced Spanish**

**6 credits**

Prerequisite: Spanish 104 or three years of high-school Spanish.

Conversation and reading; emphasis on developing writing skills.

### **SPA 201-202 Masterpieces of Spanish Literature**

**6 credits**

Prerequisite: Spanish 106

Reading and discussion of major works from the medieval period to the twentieth century; composition.

### **SPA 302 Contemporary Spanish Literature**

**3 credits**

Prerequisite: Spanish 202

A study of the outstanding authors of the twentieth century and their works.

### **SPA 305, 306 Spanish-American Literature**

**6 credits**

Prerequisite: Spanish 202

Selections from the principal Spanish-American writers from the sixteenth century to the present.

### **SPA 308 Advanced Conversation**

**3 credits**

Prerequisite: Spanish 202

A course to develop the technique and vocabulary of discussion as a supplement to expression in the areas of experience.

### **SPA 310 Advanced Prose Composition**

**3 credits**

Prerequisite: Spanish 202

A study of the stylistic structure of sentences and paragraphs; review of grammar when necessary.

### **SPA 401 Spanish Drama of the Golden Age**

**3 credits**

Prerequisite: Spanish 202

A study of the chief dramatists of the period.

### **SPA 402 Spanish Civilization and Culture**

**3 credits**

Prerequisite: Spanish 202

A study of the characteristics of Spanish culture based upon anthropological and sociological studies; humanistic and scientific contributions to civilization; readings and reports.



**SPA 405 Advanced Phonetics****3 credits**

Prerequisite: Spanish 202

A systematic study of articulation and intonation intended for teachers; peninsular Spanish; the development of divergent pronunciation patterns of Latin-American Spanish.

**SPA 406 The Novel and Poetry of the Golden Age****3 credits**

Prerequisite: Spanish 202

A study of the principal poets of the age; birth and development of the pastoral and picaresque novels; readings and discussions; reports.

**SPA 407 Cervantes****3 credits**

Prerequisite: Spanish 202

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

**SPEECH**Professor Edward Setrakian, *Department Head***SPE 203 Public Speaking****3 credits**

Introduction to phonetics and study of basic diction; speech screening; practice of extemporaneous speaking, organized according to purpose: speaking to persuade, to inform, to entertain; analysis of individual problems.

**SPE 204 Speech Clinic****No credit**

One-hour-a-week service course.

Intensive work on the correction of outstanding speech difficulties; individual and small-group instruction given on a pass-or-fail basis. Required only of those who fail in speech screening during Speech 203.

**SPE 301 Oral Interpretation****3 credits**

Prerequisite: Speech 203

Presentation and analysis of selections from various forms of prose and poetry.

**SPE 302 Discussion and Debate****3 credits**

Prerequisite: Speech 203

Practice in discussions, speeches, and debates; theory of argumentation; analyzing problems and propositions; persuasive speaking; organization and development of cases; criticism and evaluation.

**SPE 403 Advanced Oral Expression****3 credits**

Prerequisite: Speech 203

Extended speeches and lectures relating to selected areas; practice in special forms such as reports, sales talks, sermons.

**SPE 404 Acting****3 credits**

An introduction to the basic techniques and theories of acting; exercises in the fundamentals of voice, pantomime, movement, and concentration. Conducted as a workshop.

## THEOLOGY

Brother Labre Tallman, O.S.F., *Department Head*

Theology 103 is a prerequisite for all theology courses. Upon its completion, students must then select two courses from the 200's. Seminars are reserved for those students who have completed nine credits of theology.

### **THE 103 Introduction to Theology**

**3 credits**

An examination of the general theory of religion (historical, psychological, cultural, anthropological), and of the specific manifestation of Christianity with particular reference to the nature of revelation, the Church, the sacraments, and the study of Christology.

### **THE 203 Old Testament**

**3 credits**

A demonstration, through the study of selected works, of the concept of Kingdom established by Yahweh and of its characteristics in the messianic age.

### **THE 204 New Testament**

**3 credits**

The application of modern biblical scholarship in order to clarify the most important concepts of the New Testament.

### **THE 205 The Problem of God**

**3 credits**

A presentation and critique of the traditional proofs for the existence of God; an analysis of the development and the meaning of modern atheism; a reconstruction of the Christian approach to God.

### **THE 206 Christology**

**3 credits**

A discussion of the meaning of the Incarnation and Redemption as revealed in Sacred Scripture and as probed by theologians past and present.

### **THE 207 Sacraments**

**3 credits**

An exposition of Christ as the Sacrament of God and an analysis of the historical development of the seven sacraments.

### **THE 208 The Church**

**3 credits**

A study of the nature of the Church as the community of believers and of this Church's relationship to the whole of mankind.

### **THE 209 Fathers of the Church**

**3 credits**

A study of the development of early Christian thought as expressed in the major writers of the Patristic Age.

### **THE 210 Moral Theology**

**3 credits**

The application of God's revelation to man's practical conduct as a Christian in the contemporary world.

### **THE 211 Liturgy**

**3 credits**

A treatment of the history and the evolution of the worship of the Church; current liturgical problems.

**THE 212 Christian Marriage**

**3 credits**

The study of Christian marriage as the encounter with Christ; a discussion of the role of the marriage partners as communicants of grace and of the sacrament of Matrimony as the formalization of this covenant; related civil and theological problems.

**THE 213 Comparative Religions**

**3 credits**

An introduction to the basic tools used in the empirical study of religions; the specific application of these methods to selected systems as typical of a variety of expressions.

**THE 214 Near Eastern Religions**

**3 credits**

Prerequisite: Theology 213

An intensive study of the classical religious expressions of the ancient Near East; particular reference to the religions of Egypt, the Fertile Crescent, and Persia.

**THE 215 Oriental Religions**

**3 credits**

Prerequisite: Theology 213

An intensive study of the classical religious expressions of India, China, and Japan; particular reference to Hinduism, Jainism, Buddhism, Confucianism, Shintoism, and Zen.

**THE 216 American Protestantism**

**3 credits**

Prerequisite: Theology 213

The impact of the American Experience on the Puritan culture; the effect of Pietism and the Revivals on American religions; the Liberal Christianity of the nineteenth and twentieth centuries.

**THE 217 American Judaism**

**3 credits**

Prerequisite: Theology 213

The theological concepts of Judaism as they are understood and practiced by American members of the Jewish faith; the thought of particular Jewish leaders.

**THE 303 Seminar I: The Contemporary Church**

**3 credits**

A critical study of the meaning of Church and a formulation of its role in our age.

**THE 304 Seminar II: Biblical Studies**

**3 credits**

A discussion of topics of contemporary interest relating to biblical interpretation; an examination of the general problem of hermeneutics.

**THE 305 Seminar III: Problems in Morality**

**3 credits**

An analysis of select readings on contemporary moral values.

**THE 306 Seminar IV: Religion as an Institution**

**3 credits**

A discussion of the future of formal religion; specific treatment of the role of religious structure and sacrament in a secular age.

**THE 307 Seminar V: The Theology of Unbelief**

**3 credits**

A critical analysis of atheism in its different manifestations.

# Alumni Association

The Alumni Association, founded in 1887, exists to advance the principles and purposes of St. Francis College and to benefit the present and former students.

The Association conducts an Advisory Council to assist in career programs for students. In addition, the annual Alumni Fund renders financial aid to the scholarship and building programs of the College. It sponsors a number of social, educational, and religious affairs which serve to stimulate and maintain interest among its members and to renew old acquaintances of graduates and former students.

All former students of St. Francis College are members upon graduation of their class.

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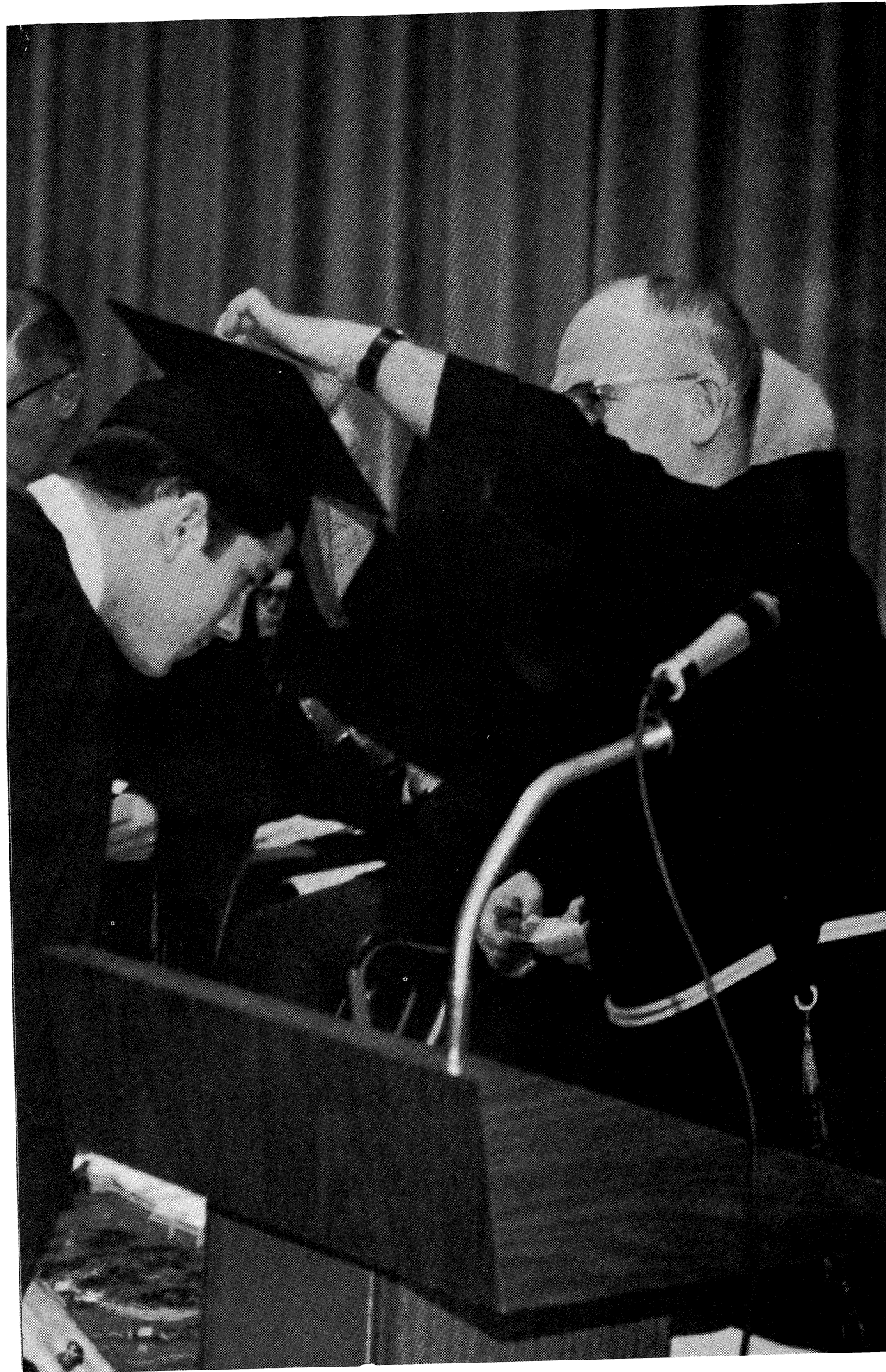
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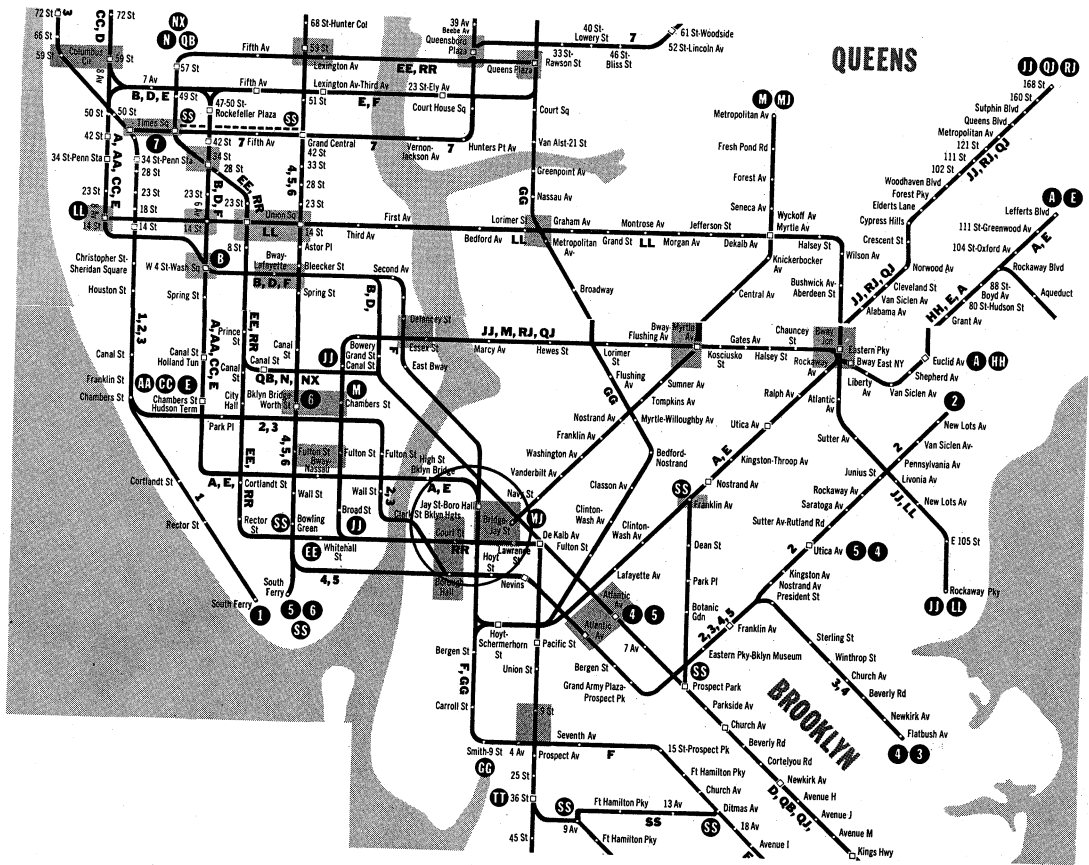
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## BUS ROUTES

- B-25—Fulton Street Line: **from** East New York Ave. & Alabama Ave., **to** Court and Remsen Sts. (½ block to college)
- B-26—Putnam Ave. Line: **from** Palmetto St. & Wyckoff Ave., **to** Fulton and Jay Sts. (3 blocks to college)
- B-37—Third Ave. Line: **from** Fourth Ave. & Shore Rd., **to** Fulton and Adams Sts. (2 blocks to college)
- B-38—DeKalb Ave. Line: **from** Seneca Ave. & Cornelia St., **to** Fulton and Joralemon Sts. (1 block to college)
- B-41—Flatbush Ave. Line: **from** East 71st St. or Ave. U, **to** Court and Remsen Sts. (½ block to college)
- B-45—St. John's Line: **from** St. John's Place and Ralph Ave., **to** Court and Joralemon Sts. (1 block to college)
- B-52—Gates Ave. Line: **from** Palmetto St. & St. Nicholas Ave., **to** Court and Joralemon Sts. (1 block to college)
- B-61—Crosstown Line: **from** 50th Ave. & Jackson Ave., **to** Court and Livingston Sts. (2 blocks to college)
- B-63—Fifth Ave. Line: **from** Shore Rd. and 4th Ave., **to** Atlantic Ave. and Court Sts. (4 blocks to college)
- B-67—Seventh Ave. Line: **from** 19th St. & Prospect Park West, **to** Adams and Tillary Sts. (3 blocks to college)
- B-75—Smith St. Line: **from** 19th St. & Prospect Park West, **to** Adams and Tillary Sts. (3 blocks to college)

# INDEX

	5
Academic Calendar	65
Accounting	37
Activities	23
Admission to the Freshman Class	24
Admission with Advanced Standing	24
Advanced Placement	100
Alumni Association	41
Athletic Association	66
Biology	6
Board of Trustees	68
Business Law	69
Business Management	43
Change of Program	70
Chemistry	24
Classification of Students	16
Committees of the Faculty	49
Comprehensive Examination or Project	21
Cooperative Program with St. Joseph's College	48, 49
Core Curriculum	8
Council of Regents	46
Courses at Other Institutions	42
Credit Hours	25
Day and Evening Students	49
Degrees, Application for	50
Divisional Organization	52
Division of Business Administration	54
Division of Humanities	56
Division of Natural Science and Mathematics	58
Division of Philosophy, Psychology, and Theology	59
Division of Social Studies	62
Division of Continuing Education	72
Economics	74
Education	76
Electronic Data Processing	76
English	24
Entrance Examinations	43
Examinations, Grades, Credits	10
Faculty	33
Faculty Advisors	26
Fees	28
Financial Aid	79
Fine Arts	79
French	33
Freshman Orientation	20
General Objectives of the College	80
Geography	81
German	30
Grants, Educational Opportunity	29
Grants-in-Aid	81
Greek	

## INDEX

Guidance Center	34
Health Education	81
Health Service	36
History	82
History and Government of the College	19
Honors	45
Laboratories	21
Latin	84
Library	21
Location of the College	20
Major Field of Concentration	49
Mathematics	84
Medical-Accident Insurance Program	36
National Defense Student Loans	30
Officers of Administration	9
Pass-Fail Courses	45
Payment Procedure	27
Philosophy	87
Physics	88
Political Science	90
Portuguese	91
Preparation for Professional Study	64
Private Loan Programs	30
Professional Membership and Affiliations	20
Professional Staff	15
Programs of Students	43
Psychology	91
Refunds	27
Regents Scholarships	31
Registration Procedure	42
Religious Activities	33
Report of Marks	44
Requirements for Degrees	47
Russian	93
Scholar Incentive Awards	31
Scholarship (Quality Points)	44
Scholarships, Competitive	28
Scholarships, Special	29
Science	93
Senior Requirement	49
Social Studies	93
Sociology	93
Spanish	96
Special Programs	21
Speech	97
State Loan Programs	30
Theology	98
Transportation to the College	102
Withdrawal	45
Work-Study Program	30