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COLLEGE *of the* HOLY CROSS
CATALOGUE

NINETY-EIGHTH YEAR



NOVEMBER, 1941

Worcester, Massachusetts

Volume XXXXI

Corporate Title:

***“The Trustees of the College of the Holy Cross
in the city of Worcester.”***

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CALENDAR

SEPT. '41 — JUNE '42

SEPT. '42 — JUNE '43

SEPTEMBER.							FEBRUARY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	1	2	3	4	5	6	7
7	8	9	10	11	12	13	8	9	10	11	12	13	14
14	15	16	17	18	19	20	15	16	17	18	19	20	21
21	22	23	24	25	26	27	22	23	24	25	26	27	28
28	29	30
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OCTOBER.							MARCH.						
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5	6	7	8	9	10	11	8	9	10	11	12	13	14
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JANUARY.							JUNE.						
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JANUARY.							JUNE.						
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COLLEGE OF THE HOLY CROSS

ACADEMIC CALENDAR — 1941-1942

1941

Sept. 4-5	Thursday, Friday	— Entrance Examinations.
Sept. 18	Thursday	Registration for Freshmen.
Sept. 22	Monday	Registration for Sophomores.
Sept. 23	Tuesday	Registration for Juniors and Seniors.
Sept. 24	Wednesday	Solemn Mass of the Holy Ghost for the Inauguration of the Academic Year. Classes begin at 10:50 A. M.
Oct. 7-10	Tuesday to Friday,	A.M. — Annual Retreat.
Oct. 10, 11, 13	Friday, Saturday, Monday	— Holidays.
Nov. 1	Saturday	Feast of All Saints; holiday.
Nov. 11	Tuesday	Armistice Day; holiday.
Nov. 15	Saturday	End of First Quarter.
Nov. 19	Wednesday	Thanksgiving Recess begins at 11:40 A. M.
Nov. 24	Monday	Classes resumed.
Dec. 8	Monday	Feast of the Immaculate Conception; holiday.
Dec. 20	Saturday	Christmas recess begins at 9:50 A. M.

1942

Jan. 5	Monday	Classes resumed.
Jan. 22	Thursday	End of Second Quarter.
Jan. 23-30	Friday to Friday	— First Semester Examinations.
Jan. 31, Feb. 2	Saturday, Monday	— Semester holidays.
Feb. 3	Tuesday	Classes resumed.
Feb. 18	Wednesday	Ash Wednesday.
Feb. 23	Monday	Celebration of Washington's Birthday; holiday.
Mar. 4-12	Wednesday to Thursday	— Novena of Grace.
Mar. 14	Saturday	Senior Theses due in Dean's Office.
Mar. 21	Saturday	End of Third Quarter.
Apr. 1	Wednesday	Easter recess begins at 9:50 A. M.
Apr. 3	Friday	Good Friday.
Apr. 5	Sunday	Easter Sunday.

Apr. 13	Monday	Classes resumed.
Apr. 20	Monday	Celebration of Patriots' Day—holiday.
May 14	Thursday	Feast of the Ascension; holiday.
May 15	Friday	Fourth Quarter ends for Juniors and Seniors
May 16	Saturday	Final Examinations begin for Juniors and Seniors.
May 23	Saturday	Final Examinations begin for Freshmen and Sophomores. End of Fourth Quarter for Freshmen and Sophomores.
May 30	Saturday	Memorial Day; holiday.
June 4-8	Thursday evening to Monday morning	— Senior Retreat.
June 7	Sunday	Baccalaureate Exercises, 8:00 P. M.
June 8	Monday	Class Day.
June 9	Tuesday	Alumni Day.
June 10	Wednesday	Commencement Day.
June 12-13	Friday, Saturday	— Entrance Examinations.
Sept. 3-4	Thursday, Friday	— Entrance Examinations.
Sept. 17	Thursday	Registration for Freshmen.
Sept. 21	Monday	Registration for Sophomores.
Sept. 22	Tuesday	Registration for Juniors.
Sept. 23	Wednesday	Registration for Seniors.

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Director of Admissions
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CORNELIUS B. MURPHY, B.S.	14 Douglas St. Court, Worcester
JOHN E. SHEA, Jr., B.S.	16 Adams St., Belmont
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<i>Assistant Administrator in charge of Maintenance</i>	<i>Manager, Kimball Dining Hall</i>
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170 King Philip Rd.*Assistant*RICHARD M. BURNER, M.A.
30 Gates St.*Assistant Manager of Book Store*FRANCIS A. COGSWELL, A.B.
122 Kendig St.

Ninety-eighth Year
COLLEGE OF THE HOLY CROSS
WORCESTER, MASS.

Conducted by the Fathers of the Society of Jesus

ACT OF INCORPORATION

An act of the Legislature of Massachusetts, date March 24, 1865, reads as follows:

COMMONWEALTH OF MASSACHUSETTS
IN THE YEAR ONE THOUSAND EIGHT HUNDRED AND SIXTY-FIVE

AN ACT

to incorporate the Trustees of the College of the Holy Cross

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:

SECTION 1. James Clarke, Charles Fulmer, James C. Moore, Charles F. Kelly, Livy Vigilante, their associates and successors, are hereby constituted a body corporate by the name of the Trustees of the College of the Holy Cross, in the city of Worcester, and they and their successors and such as shall be duly elected members of such corporation, shall be and remain a body corporate by that name forever; and for the orderly conducting of the business of said corporation, the said trustees shall have power and authority, from time to time, as occasion may require, to elect a President, Vice-President, Secretary, Treasurer, and such other officers of said corporation as may be found necessary, and to declare the duties and tenures of their respective offices, and also to remove any trustee from the corporation when in their judgment he shall be rendered incapable, by age or otherwise, of discharging the duties of his office, or shall neglect or refuse to perform the same, and also from time to time to elect new members of said corporation; provided that the number of members shall never be less than five nor more than eleven.

SECTION 2. The said corporation shall have full power and authority to determine at what times and places their meetings shall be holden, and the manner of notifying the trustees to convene such meetings, and also from time to time to elect a President of said College, and such professors, tutors, instructors and other officers of the said college, as they shall judge most for the interest thereof, and to determine the duties, salaries, emoluments, responsibilities and tenures of their several offices; and the said corporation is further empowered to purchase or erect and keep in repair such houses and other buildings as it shall judge necessary for said College, and to confer

such degrees as are conferred by any college in this Commonwealth, except medical degrees; provided nevertheless, that no corporate business shall be transacted at any meeting unless a majority of the trustees are present.

SECTION 3. Said corporation may have a common seal which it may alter or renew at pleasure, and all deeds sealed with the seal of said corporation and signed by its order, shall, when made in the corporate name, be considered in law as the deeds of said corporation, and said corporation may sue and be sued in all actions, real, personal, or mixed, and may prosecute the same to final judgment and execution, by the name of the Trustees of the College of the Holy Cross; and said corporation shall be capable of taking and holding, in fee simple or any less estate, by gift, grant, bequest, devise or otherwise, any lands, tenements, or other estate real or personal, to an amount not exceeding three hundred thousand dollars.

SECTION 4. The clear rents and profits of all the estate, real and personal, of which the said corporation shall be seized and possessed, shall be appropriated to the endowment of said College, in such manner as shall best promote virtue, piety, and learning in such of the languages and of the liberal and useful arts and sciences as shall be recommended from time to time by the said corporation, conforming, however, to the will of any donor or donors in the application of any estate which may be given, devised, or bequeathed, for any particular object connected with the college; and no misnomer of the said corporation shall defeat or annul any donation, gift, grant, devise or bequest, to or from the said corporation.

SECTION 5. The Legislature of this Commonwealth may alter, limit, restrain, or annul, any of the powers vested by this act in the said corporation, as shall be deemed necessary, and more especially may appoint overseers, or visitors of the said college, with all necessary powers for the better aid, preservation and government thereof.

SECTION 6. The granting of this Charter shall never be considered as any pledge on the part of the Commonwealth that pecuniary aid shall hereafter be granted to the College.

House of Representatives, March 21, 1865.

Passed to be enacted, Alex. H. Bullock, Speaker.

In Senate, March 23, 1865.

Passed to be enacted, I. E. Field, President.

March 24, 1865.

Approved.

JOHN A. ANDREW,
Governor.

(Copy)

(Chapter 149.)

THE COMMONWEALTH OF MASSACHUSETTS
IN THE YEAR ONE THOUSAND NINE HUNDRED AND TWENTY-SEVEN

AN ACT

Authorizing the Trustees of the College of the Holy Cross to hold
Additional Real and Personal Estate.

*Be it enacted by the Senate and House of Representatives in General Court
assembled and by the authority of the same, as follows:*

Section three of chapter ninety-nine of the acts of eighteen hundred and sixty-five is hereby amended by striking out, in the twelfth and thirteenth lines, the words, "to an amount not exceeding three hundred thousand dollars,"—so as to read as follows:—

SECTION 3. Said corporation may have a common seal, which it may alter or renew at pleasure, and all deeds sealed with the seal of said corporation, and signed by its order, shall, when made in the corporate name, be considered in law as the deeds of said corporation; and said corporation may sue and be sued in all actions, real, personal or mixed, and may prosecute the same to final judgment and execution by the name of the Trustees of the College of the Holy Cross; and said corporation shall be capable of taking and holding in fee simple or any less estate, by gift, grant, bequest, devise, or otherwise, any lands, tenements, or other estate, real or personal.

House of Representatives, March 16, 1927

Passed to be enacted, John C. Hull, Speaker.

In Senate, March 17, 1927

Passed to be enacted, Wellington Wells, President.

March 23, 1927

Approved.

ALVAN T. FULLER,
Governor.

THE COMMONWEALTH OF MASSACHUSETTS

Office of the Secretary

Boston, March 25, 1927.

A True Copy

Witness the Great Seal of the Commonwealth.

(Signed) F. W. COOK,
Secretary of the Commonwealth.

AFFILIATIONS

Holy Cross College is affiliated with *The Catholic Educational Association, The American Catholic Philosophical Association, The Mathematical Association of America, The American Council on Education, The Association of American Universities, The Association of American Colleges, The New England Association of Colleges and Secondary Schools, The American Association of Collegiate Registrars, The Regents of the University of the State of New York, and The Jesuit Educational Association.*

The Faculty of Holy Cross College is associated with *The Classical Association of New England, The Eastern Association of College Deans and Advisers of Men, The American Catholic Historical Association, The American Historical Association, The Jesuit Philosophical Association, The National Council of Teachers of English, The New England Association of Teachers of English, The New England Section of the College English Association, The College English Association, The American Association for the Advancement of Science, The American Association of Jesuit Scientists, The American Mathematical Society, The American Statistical Association, The American Physical Society, The Institute of Mathematical Statistics, The Institute of Radio Engineers, The American Chemical Society, The American Economic Association, The American Institute of Accountants, The National Catholic Industrial Conference, The American Academy of Political and Social Science, The Mathematical Association of America, and The Association of Librarians of America.*

THE COLLEGE

The College of the Holy Cross was founded in the year 1843 by the Most Rev. Benedict Joseph Fenwick, second Bishop of Boston, and is the oldest Catholic College in New England. It had long been a cherished desire of Bishop Fenwick to establish in his diocese, which then included the City of Worcester, an institution for the higher education of Catholic young men. In bringing about the realization of this desire he was aided by the Rev. James Fitton, who had, as early as 1838, established the Seminary of Mt. St. James on the hill which now bears that name, but was then known as Pakachoaog, "Hill of Pleasant Springs." This institution, Father Fitton presented to the Bishop in 1843, and on this site the distinguished prelate determined to build his college. He gave it the name of his Cathedral, with the motto and emblem of the Boston Diocese—a cross in the heavens, as it appeared to the Emperor Constantine, with its historic legend.

In order to secure for New England students the benefits of that unique plan of collegiate instruction, the *Ratio Studiorum*, which had been for over two centuries the invigorating pattern of continental education, Bishop Fenwick invited the founders of that system, the Fathers of the Society of Jésus, whose missionary and educational activities on the North American continent began as early as 1610, to organize the courses of study according to the curricula of their college at Georgetown in the District of Columbia, and to take entire charge of the teaching. On the second day of November, 1843, the first classes were organized, and were held in the seminary structure until the completion of the first college building in January, 1844.

The generous patronage and zealous interest of Bishop Fenwick continued unflinching, and a few days before his death on the 6th of August, 1846; he ceded to the Jesuit Fathers full possession of the institution, land and buildings unencumbered.

A disaster that threatened its existence visited the young college in July, 1852, when the whole of the central building was destroyed by fire. Through the sympathetic cooperation of Most Rev. John B. Fitzpatrick, who had succeeded to Bishop Fenwick's See, only a single scholastic year was lost, for the college, enlarged and remodeled, reopened on the 3rd of October, 1853.

THE CAMPUS

The College campus contains one hundred and sixty-three acres on the southern end of the City of Worcester, nearly two miles from the business district, at an elevation of 693 feet above the sea. To the north is an extensive and most delightful view of the city, at the time of the founding of the College, a town of hardly 10,000 inhabitants; now the second largest

city in Massachusetts, with a population of 194,000. Over and beyond its many towers and spires, the summit of Mt. Wachusett looms high against the northern horizon.

The following is a list of the college buildings with the year of erection:

FENWICK HALL, named for the Founder of Holy Cross College, is the oldest of the college buildings. In the spring of 1875 the remnant spared by the fire of 1852 was raised and extended toward the east. The central span houses the offices of the administration on the first floor, faculty living quarters on the second and third, and student dormitories on the fourth. The east frontage is occupied, on the first floor, by the faculty refectory, while the upper part of the building contains the Community Chapel. The infirmary is located in a small wing adjoining this part of the building at its south end.

O'KANE HALL, named for a former beloved Rector of Holy Cross, stands at the summit of Linden Lane facing the campus. It was built in 1895 and is a lively center of undergraduate activity. On the first floor is a spacious, comfortably furnished foyer and reception hall. In the basement is to be found the Students' Recreation Hall, where billiards, cards, radio and other pleasant pastimes may be enjoyed during leisure hours. Two floors of the south wing and a part of the west are occupied by the Department of Chemistry; on the second floor is the Chemistry reference library. Six laboratories are in constant use by the students of general, analytical, organic, colloidal and physical chemistry, in which are applied the principles enunciated in the several specially designed lecture halls which are placed with convenient reference to the laboratories. The Fenwick assembly hall is located in the O'Kane building and features a large and well-equipped stage for dramatic productions. On the upper floors of the building are located several corridors of pleasantly situated students' quarters, renovated during the summer of 1940.

ALUMNI HALL, which the generosity of former students made it possible to erect in 1905, is a thoroughly modern, fireproof building. The upper floors contain nearly one hundred student living rooms, extensively renovated in 1940, which are available for members of the Freshman class. The rest of the building is devoted to the purposes of the Physics Department. Here are situated the lecture theatre, apparatus room, reference library and laboratories where students of this branch of science are instructed in theory and trained in practice.

BEAVEN HALL is the first of the college buildings encountered by the visitor to Holy Cross. The gift of the late Most Rev. Thomas D. Beaven, D.D., and the clergy of the Springfield diocese, it opened to its first occupants in September, 1913. Modern in every detail, the three upper floors,

renovated in the summer of 1941, provide comfortable living quarters for the members of the Junior class, while the Biology Department has the entire lower floor for its quarters. A large lecture hall and three fully equipped laboratories give adequate service to premedical students and to those others who desire a fundamental mastery of the Biological sciences.

CARLIN HALL. In the month of October of the year 1941, the Board of Trustees of the College of the Holy Cross unanimously resolved to change the name of Loyola Hall to Carlin Hall. This change of name is intended to perpetuate the memory of the Very Reverend James J. Carlin, S.J., President of Holy Cross from 1918 to 1924. Under the direction of Fr. Carlin, S.J., this building was erected in 1922. The upper floors provide living rooms for members of the Sophomore Class. Classrooms, faculty offices and accounting laboratories are located on the lower floors.

WHEELER HALL, the newest of the campus buildings, was opened in January 1940. It is dedicated to the memory of the Rev. John D. Wheeler, S.J., for many years active in the administration of the College. Wheeler Hall is, at present, the residence hall for Seniors, and, in addition to classrooms, is the headquarters for the Naval Reserve Officers Training Corps Unit of the College of the Holy Cross.

CAMPION HALL, a small, homelike, building opened in 1936, provides classrooms and living quarters for a limited number of Juniors.

DINAND LIBRARY situated on the terraced slope between O'Kane and Beaven Halls, exemplifies the best tradition of the architecture of the Italian Renaissance. It was dedicated in November, 1927, and named after the Most Reverend Joseph N. Dinand, S.J., D.D., twice President of the College of the Holy Cross. The number of volumes owned are approximately 125,000 and they represent to a satisfactory degree, every major classification of the Library of Congress, according to which system the Holy Cross collection is catalogued. Hundreds of classified pamphlets, periodicals and manuscripts in various fields increase the students' reference resources.

The Reading Room is the most heavily patronized part of the building. Here are found the principal reference collections, encyclopedias, dictionaries, bibliographies, year books, concordances and other utensils, both general and special. Here, too, is situated the card catalogue of nearly 328,815 cards for the 103,600 volumes catalogued to date. In such environment the student finds admirable facilities for study, and each year shows a marked increase in the numbers using it for that purpose.

Occupying the entire lower floor of the east wing, the Browsing Room is designed for a comfortable indulgence in recreational reading. Partaking somewhat of the nature of the home library, with which are mingled some of the characteristics of the club, the combination of easy chairs, smoking

privileges and pleasant books of essays, biography, fiction, travel and the like, produces an atmosphere and an opportunity that are not duplicated elsewhere on the campus.

The Periodical Room is above and co-extensive with the Browsing Room. Over two hundred periodicals, from daily newspapers to annuals, both foreign and domestic, and in several languages, are received on subscription. The current issues are set in conveniently located racks, below which cabinets of drawers house the immediate back numbers, while older issues are to be secured on application to the attendant. To make the contents of these publications as useful as possible, the more important periodical indexes are centrally placed for quick consultation.

Immediately over the Periodical Room is the Leonard Memorial Debating Hall. This apartment, which seats about 200 and is furnished with an especially constructed rostrum, is for the use of the Senior-Junior and Sophomore-Freshman Debating Societies.

The west wing of the main floor houses the Museum, where are exhibited many of the choice, valuable and historic treasures of the College. Valuable paintings, sculptures, coins, books and pamphlets whose antiquity, rarity or edition give them a peculiar value, documents associated with the growth of the College, the history of the Church or the development of the country, autographs and manuscripts are some of the categories represented in the Museum exhibit. Of special interest is the growing collection of Jesuitana, which embraces the works of many early writers of the Society of Jesus.

The administration of the Library is in the hands of a competent professional staff which includes a Faculty Librarian, a Lay Librarian, and an Assistant Librarian, a Reference Librarian, a Secretary and a Cataloguer. These, with the assistance of a number of undergraduates who are employed in various capacities, are able to serve the student body efficiently during thirteen hours of every day of the week, including Sundays and holidays. Early in the first semester the Librarian addresses the Freshman class for the purpose of acquainting the new students with the Library and its resources, and of instructing them in the most effective methods of library usage. Departmental libraries for Biology, Chemistry and Physics are located in the respective science quarters.

The Holy Cross College Library wishes to make grateful acknowledgment for the many gifts received during the past year.

Among the donors were:

Mr. Leon V. Almira, '06
 Mr. Christ Anastasoff
 Mr. John P. Anderson, '42
 Mr. George S. Barton
 Mr. Wilfred Beaulieu
 Mr. Alphonse J. Beauregard, '35
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Mr. William C. Brewer
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Mr. John J. Daley, '09	Miss Marguerite Lynch
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The late Mr. William J. Gavin, '08	Rev. Victor Piaskowski
Holy Cross—Class of 1941	Mrs. David Posner
Miss Marguerite M. Hurley	Mr. John E. Ratigan, '19
Mrs. Albert A. Judge	Mr. Felix A. Rosetti
Rev. Michael P. Kavanagh, '93	Sister Francis Ines
The Estate of John M. Kelly, Ex '10	Sister Mary Loyola
Rev. John S. Kennedy	W. D. Teague
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Dr. David Klein	Mr. Joseph F. Wickham, '04
Mr. Harry H. Laughlin	World Calendar Association
Mr. William E. Leahy, '07	Mr. Samuel S. Wyer
Mr. Charles A. Ludey	

ST. JOSEPH MEMORIAL CHAPEL, the center of the students' spiritual life, rears its colonnaded facade above the scene at the eastern extremity of the campus. Known for its architectural beauty and purity of design, it is a fitting symbol of the ideals that permeate and dominate the culture of Holy Cross.

KIMBALL HALL, a beautiful and commodious refectory building, was opened on January 6, 1935. This building contains a kitchen and refectory accommodating one thousand students. It contains also a theatre accommodating seven hundred, a cafeteria, the office of Discipline, the Athletic Offices and a number of other rooms for various activities.

GYMNASIUM. This building contains a basketball court and bowling alleys. While this gymnasium is only temporary, until funds are available for a more elaborate building, it is serving effectively a large number of students with opportunities for exercise and games under capable directors.

THE ATHLETIC FIELDS contain the football gridiron, the baseball diamond, the quarter-mile track, tennis courts, basketball courts and facilities for all other outdoor sports. The baseball diamond on Fitton Field is bounded on the east by the football gridiron which is surrounded on four sides by stadia seating nearly 23,000. Freshman Field and Alumni Field are suitable for practice and for the games of the intramural teams. On the plateau that crowns the hill south of the College buildings, as well as on the lower east level, are laid out diamonds and gridirons for intramural contests, in which the majority of undergraduates participate. The reconstruction of handball courts is now in progress.

GENERAL INFORMATION

MEDICAL CERTIFICATE. Before registration, each student must file in the Office of the Director of Admissions a certified statement of good health from his physician.

STUDENT HEALTH SERVICE. All resident students at Holy Cross are entitled to medical service with the following privileges: (1) Consultation with the College Physician, daily, if necessary. (2) Visits by the College Physician while the student is confined in the College Infirmary. (3) Board, room and nursing at the College Infirmary. Nursing attendance is rendered by the nurse regularly employed by the College. Special outside nurses, if employed, must be paid for by the student.

No student is obligated to patronize the College Physician. With the permission of the College Director of Health and at the expense of his parents, a student may consult any physician approved by his parents. When medicines are prescribed the expense is to be borne by the student. The College cannot furnish regular special diets to students who may require such treatment. Expenses incurred for hospital treatment must be defrayed by the individual student.

PHYSICAL TRAINING. While attending to the mental development of the student and safeguarding his moral character, the College authorities have not overlooked the importance of physical training. The student is provided with football and baseball fields, running track, tennis, and basketball courts and a temporary gymnasium. Special attention is directed to intra-mural sports.

With regard to all forms of college activities, the policy of the college authorities has always been that the student's first duty in college is attention to study, and that no other student activity should be allowed to interfere with this main purpose of college life.

REGISTRATION. All Freshman students must report to the Registrar in O'Kane Hall, on the third Thursday of September, 1942, and fill out enrollment cards for the ensuing year. A receipt from the Treasurer for payment of first semester bill must be presented to the Registrar.

All Sophomore students must report for enrollment on the Monday following Freshmen Registration (September 21, 1942).

All Junior students must report for enrollment on the Tuesday following Sophomore Registration (September 22, 1942).

All Senior students must report for enrollment on the Wednesday following Junior Registration (September 23, 1942).

For failure to register at the appointed time, students will be charged a late registration fee of five dollars.

During the last week in January, all students must register both at the Treasurer's office and Registrar's office for the second semester. A receipt from the Treasurer for payment of second semester bill must be presented to the Registrar.

NAVAL SCIENCE AND TACTICS. Students will not be permitted to register for the courses in Naval Science and Tactics until they have been accepted by the officer in charge of the Holy Cross Unit. Written evidence of such acceptance must be presented to the Registrar.

The number of Freshmen enrolled each year in the Naval Reserve Officers' Training Corps is limited. Prior to acceptance candidates for this course must pass a physical examination. Students desiring to be enrolled in the Naval R.O.T.C. should make application to the Professor of Naval Science and Tactics during the summer in order that physical examinations may be arranged in advance to avoid registration day delays.

ATTENDANCE AT COLLEGE EXERCISES. Students are required to be diligent in the pursuit of their studies and regular in their attendance at classes. Those who fail to meet these requirements will be requested to withdraw.

Each student must attend all of the classes in which he is enrolled including elective lectures on subjects intimately connected with classroom study and all chapel exercises. In case of absence for a prolonged period due to illness or some other compelling cause, the application of this rule may be modified by the Council on Standards upon the recommendation of the Dean; but in no case will more than twenty (20) days of absence in either semester be allowed.

No "Voluntary Absences" are allowed nor is any student of the College entitled to a certain number of unexcused absences. Absence from any class may be excused only by the Dean of the College.

If, in any semester, a student's absences in a subject exceed twice the credit hours allowed for that subject, he will receive no credit for the course.

ENTERTAINMENT. In addition to the special lectures given for all students, or for special groups by qualified lecturers, special theatrical productions, concerts and recitals are given during the year. Motion pictures are presented at least once a week.

STUDENT EMPLOYMENT. Some employment is available at Holy Cross College for students who need to earn part of their college expenses. To merit employment, students must meet certain academic, disciplinary and financial requirements. The compensation is proportionate to the number of hours of employment, and the amount earned is applied on the student's account with the College.

COLLEGE EXPENSES

TUITION

The general tuition fee, which includes registration, library, student activities, athletic, lectures and other incidental fees, for every student in regular standing at Holy Cross College for the academic year, the period between the opening of the college year and its close, is **three hundred and thirty dollars**. If a student in the College takes courses in excess of the amount required, he is charged an additional fee of **thirty-five dollars** for each additional full-year course, or **twenty dollars** for each additional half-year course so taken.

A student who enters the College after the beginning of the academic year is charged from the beginning of the tuition period in which he enters. A student who leaves the College during the academic year is charged to the end of the tuition period in which he leaves, provided that before that time he gives written notice to the Dean of his withdrawal; otherwise he will be charged to the end of the academic year or to the end of the tuition period in which such notice is given. The first tuition period begins at the beginning of the academic year and ends November 15; the second tuition period begins November 16 and ends January 30; the third tuition period begins January 31 and ends March 21; the fourth tuition period begins March 22 and ends at Commencement.

Deductions from tuition fees paid for additional courses may be claimed by students who have properly notified the Dean of their withdrawal from such courses. Deductions are made in accordance with the tuition period in which notification is received.

A fee of five dollars will be charged for the privilege of a re-examination in any subject in which a student has incurred a failure.

Every candidate for a degree is charged a graduation fee of ten dollars.

FEES FOR SINGLE COURSES

The tuition fees for single courses are as follows:

For any course not a laboratory course, **thirty-five dollars** for a full-year course; **twenty dollars** for a half-year course.

For a laboratory course, **twenty-five dollars** for a full-year course; **fifteen dollars** for a half-year course.

For any course including both lectures and laboratory, **sixty dollars** for a full-year course; **thirty-five dollars** for a half-year course.

FEES FOR LATE REGISTRATION

A student who fails to register at the appointed time for any course, unless granted late registration permission by the Dean, is required to pay the Treasurer a fee of five dollars. A fee of five dollars is charged for changes in elective courses.

EXAMINATION FEES

For absentee and retake semester comprehensive and philosophy treatise examinations a fee of five dollars is charged.

LABORATORY FEES

Each student taking a laboratory course is liable for breakage, damage and loss of apparatus. In addition to the annual tuition fee of \$330.00 there is a fee for each laboratory course taken.

The laboratory fees are as follows:

Accounting		\$ 5.00
Mathematics 44		5.00
Mechanical Drawing		5.00
Physics: Physics 1, 41, 42, 43		20.00 each
Biology: Biology 43		20.00
Biology 34		7.50
All other Biology courses		15.00 each
	Fee	Breakage Deposit
Chemistry Chemistry 41 and 43	\$15.00	\$15.00
Chemistry 11 and 51	25.00	15.00
Chemistry 61	25.00	35.00
Chemistry 21, 31, 52, 53	20.00	15.00
Chemistry 22 and 32	20.00	20.00

The deposits against breakage for all chemistry courses are refundable providing all equipment is returned in the same condition in which given.

BOARD, ROOM AND OTHER EXPENSES

Students residing at the College must pay for board, room, service, attendance, medical care, infirmary attention, entertainment, etc. four hundred and seventy dollars. Of this amount, one hundred and thirty-five dollars is charged for room, light, heat, service and laundry of bed linens; three hundred dollars for board; thirty-five dollars for medical care and infirmary service, entertainment, moving pictures, etc., which are provided for those students who reside at the College.

An additional fee payment of five dollars is required of all students for the use of radios in their rooms. Permission for this privilege must be obtained from the Dean of Men.

In addition to these charges, a student's expenses will include items which vary with the means and habits of the individual, for example, books and stationery, clothing, membership in societies and expenses of vacations.

Deductions from money paid for board and room may be claimed by students who have properly notified the Dean of their withdrawal from the College. Deductions are made in accordance with the tuition period in which such notification is received.

Students who, with the permission of the Dean of Men, wish to reside at the College during the Christmas and Easter vacations will be charged an additional fee for this accommodation.

ESTIMATE OF ANNUAL EXPENSES

Students occupying private room with roommate:

Tuition (Includes fees for Athletics, College Publications, all general Student Activities, Library, Registration, Lectures, etc.)	\$330.00
Board and Room Rent, Medical Care and Infirmary Service, Entertainment, etc.	470.00
	<hr/>
Total	\$800.00

Does not include text-books, special laboratory fees, radio fee and incidental expenses.

PAYMENT OF COLLEGE BILLS

The first bill will be issued on September 5 and payable not later than the day of registration. It will include one-half of the expenses for tuition, board and room.

The second bill will be issued on November 3 and payable before December 2. It will include the fees for Chemistry, Physics, Biology and Radio and all other charges incurred to November 3.

The third bill will be issued on January 10 and payable before January 30. It will include one-half of the expenses for tuition, board and room, graduation fee (for Seniors only) and all other miscellaneous charges to January 10.

The fourth bill will be issued on March 12 and payable before April 11 and will include all miscellaneous charges incurred to March 12.

Bills for all other miscellaneous charges from March 12 to Commencement will be issued at the time the indebtedness is incurred.

Deferred payment of bills may be sanctioned only by the Treasurer of Holy Cross College. For such concession a monthly fee of fifty cents per \$100.00 or fraction thereof unpaid will be added to the account. The first of such charges will be added one month after the opening of each semester and monthly thereafter.

EDUCATIONAL SYSTEM

The system of education is the one common to all the colleges of the Society of Jesus and is guided by the principles outlined in the famous *Ratio Studiorum*. It is a system based on studied experience and centuries of observation. In this system the principle of unity in education is of prime importance. It makes the education of a youth from his entrance into college to the completion of his course a graded, related and systematic unit directed not to the mere accumulation of facts, but to the development of his mental faculties and the training of his character.

This system invests education with all the sanctity and serious responsibility of religion itself. It holds that the attainment thereof can best be had by particular means. These means, as it conceives them, are adapted to all students because all are alike in those particulars with which education in its proper meaning has to do. While admitting that students vary in talents, in powers of application, in mental tendencies and aptitudes, the system fearlessly asserts that all students have intellectual faculties essentially similar, v. g., memory, powers of observation, of reasoning, of judgment, of imagination and of discrimination; and since these powers are of the same essential character in all, they are strengthened and developed by similar exercises and similar training in whomsoever found.

It proceeds on the theory that genuine education calls throughout for the supervision and control of trained, experienced educators and is not to be regulated by the inexperienced student himself. Keeping in view the essential distinction between collegiate and university education, as that of a general as distinguished from a special or professional education, the studies are for the most part prescribed. Its immediate object makes this course imperative. It aims at the preliminary development of the whole man as the essence of education and its only legitimate meaning. After this is had, specialization along particular lines may properly follow.

Assuming that there is a hierarchy in the branches of knowledge, this system insists on the advantages of a prescribed training in the humanities, mathematics, natural or social sciences, logic, psychology, ethics and religion as the best basis for any profession or for further intellectual training in any direction.

This system rests on the theory that men of fully developed faculties who have been previously trained to correct and accurate reasoning, to close observation, to tireless industry, to keen discrimination, to sustained application, to sound and sober judgment, to vivid and lively imagination, ordinarily will outstrip in any line of human endeavor the single-sided man who im-

mediately applies his untried, unprepared and untutored powers to his special life-work.

Holy Cross College, therefore, following a system elaborated by centuries of experience and meeting the demand for modern improvements by wise adaptation and readjustment, undertakes to mould the characters of her students to habits of patient industry, of mental and moral temperance and intelligent interests. By the constant exercise and concordant enlargement of many faculties, by an introduction to many sciences, by grounding in logic, in the general principles of philosophy and in ethics, this training preserves any one faculty in the formative period of life from so abnormally developing as to stunt or atrophy others. It lays before the student in large outline a map of the realm he may afterwards traverse in part and in detail, and it co-ordinates and relates his after-specialty to other learning. It aims at the double end of maturing the faculties and fixing the habits, and at the same time constructing a firm, broad, solid and substantial foundation on which to erect the superstructure of particular callings.

After the completion of such a course as is here given, the graduate is not sent to the medical school without sufficient preparation in chemistry, physics and biology. Nor does he lack a clear knowledge of the moral responsibility of the physician and surgeon. He is not sent to the law school without an intelligent grasp of the ethical nature and development of man and of the logical processes which make for and characterize sound judgment. He is not sent to the profession of teaching without adequate training for success in grasping truth and imparting it to others, without a more intimate knowledge of the responsibility of a teacher than he can acquire from a few vague talks on pedagogy. He is not sent to the theological seminary without any knowledge of the language in which the New Testament was written, or the methods of philosophical reflection and their bearing upon the problems of life and destiny. On the contrary, when the graduate passes from the college, whether he devotes himself chiefly to the highest learning, or seeks at once a training in applied science or in a profession, he will at any rate carry into the university a mind equipped for the work it demands.

METHOD OF TEACHING

The College is in its method of teaching primarily tutorial, not professorial. The formation it proposes to give is effected by personal and intimate relations between small groups of pupils and a teacher, whose duty comprehends guidance, advice and encouragement as well as instruction.

In order that this tutorial method may be pursued most effectively, a number of instructors are assigned to each Hall, and in every Student-House teachers reside to whom the students may have recourse for guidance in studies.

Such a method of education gives the student time and opportunity to study. It enables him to compare his capacities and inclinations. It helps him to make a life decision which shall be founded on observation, experience and reason.

RELIGIOUS TRAINING

The supervision over the student's moral life is as systematic as the direction of his mental life. Education, as understood in this system, is, as has been said, the training of the whole man, in which training the supreme element is growth along the lines of Christian morality. The whole system rests on the principle that men cannot truly advance in knowledge unless they advance more closely to God. The truth expressed in bold letters over the entrance to the College Library emphasizes the ultimate purpose of education as understood in this college, "*Ut Cognoscant Te Solum Deum Verum Et Quem Misisti Jesum Christum.*"

While recognizing in its fullest extent the advantages of a liberal education in the purely secular order, the College at the same time understands that education must contain a power that can form or sustain character. Only when it is occupied with the entire man, particularly with those faculties that are distinctive of man, and with man's entire life, the present and the future, does education attain its ultimate end.

The scope of education is not limited to the commercial advantages it possesses or the qualities it confers on its votaries to move among men with that ease and grace of manner which is the flower of the humanities. Education should rather seek to form a Christian character, and through a training addressed to the student's spiritual nature build up in him and strengthen character against the disturbing forces of his impulses and passions.

Rightly, therefore, does Holy Cross College insist that in every stage of intellectual development religious instruction be interwoven with training in the secular branches of knowledge. This instruction aims at planting in the heart such principles of rectitude as will afterwards serve as a guide, a warning, a stimulus. Since Religion is the highest concern of man, as well as the strongest defense of a nation, Religion is made a prescribed subject. Men, long trained in the world's best wisdom, whose consciences have been formed to the law of God by years of self-discipline are the expounders of the eternal truth.

STUDENT COUNSELLOR

The principal duty of the Student Counsellor is to direct the spiritual activities of the College and the various religious societies and sodalities, in regard to which he exercises the same supervision as the Dean of Men exercises in his department.

He provides opportunities for the students to receive the Sacraments in addition to times assigned for the general student body.

He is in a special sense the friend and adviser of the students, not only in matters directly spiritual, but also material and temporal, in their studies, their social affairs, and in other intimate and personal matters as each one may wish.

One of the questions of highest importance to every college or high school graduate is the wise choice of a profession or vocation according to one's character, talents and attractions both natural and supernatural. No student with a serious outlook on life will fail to determine, well in advance of his graduation, the career which under God's providence will best assure his temporal success and his eternal happiness. In this matter the assistance of the Student Counsellor will be invaluable. The hours will be arranged to afford ample opportunity to the students for conferring with him.

DISCIPLINE

A closer supervision is exercised over the students than is usual at the present day in most of the large colleges. Yet an effort is made to exclude from this supervision every harsh feature. The professors live with the students, mingle with them constantly, direct their studies, interest themselves in their sports and in every way assume the relation rather of friend than of taskmaster. This constant, familiar, personal communication, in kindly terms, between professor and student, is a powerful factor in the formation of character.

The age of the student is also considered, and in the later years of his college course a larger degree of liberty is granted him. With regard to all, the enforcement of discipline, while mild and considerate, is unflinchingly firm, especially when there is question of the good of the student body or the reputation of the College.

Students are expected to manifest both within and outside of the College the respect for order, morality, personal honor and the rights of others, that is required of good citizens. Failure to do this will necessitate withdrawal from the College. The administration reserves the right to dismiss a student at any time without any definite charge.

Detailed regulations and customs governing discipline are set forth in the Student Hand-Book.

ADMISSION TO THE COLLEGE

GENERAL STATEMENT

All correspondence relative to the procedure on application and all inquiries on matters of interest to prospective candidates should be addressed to the Director of Admissions. In accordance with the established policy of the College the annual enrollment of incoming Freshmen is limited to four hundred students. Hence it will be to the candidate's advantage to make formal application *early in the final year of his secondary school studies*. The application blanks to be used for this purpose will be furnished on request.

The final decision as to the acceptance of all candidates rests with the Board of Admissions. Candidates should note that in determining the admission status of an applicant the Board will take into consideration such factors as are adjudged pertinent in evaluating the applicant's qualifications in terms of the standards and traditions of the College. That a student have the requisite scholastic credentials, as far as credits and mental proficiency are concerned, is not to be assumed as a guarantee of acceptance. A favorable report must be received from the Principal of the secondary school attended by the applicant, appraising the student's personal qualifications, e.g., initiative, dependability, seriousness of purpose, application to study and deportment. Furthermore the candidate must be of high moral character and a testimonial of good character is to be submitted in writing by his Pastor. Each candidate is also required to forward a certified statement of good health from his family physician. The information submitted by the candidate on the application questionnaire, relative to his personal background, range of interests and participation in extra-curricular activities, will be given due consideration. Basing its selection of candidates on evidence derived from these sources, supplemented by personal interviews when possible, the Board of Admissions will give preference to those applicants whose mental and personal qualifications indicate that they are prepared to cooperate in a conscientious and profitable use of the distinctive educational advantages which this College offers to its students.

SCHOLASTIC CREDENTIALS

Students approved for admission to the Freshman Class are selected from applicants who are graduates of approved secondary schools and who, on the basis of four years' work in a college preparatory course, offer sufficient credits to satisfy the minimum admission requirements of fifteen entrance units in approved subjects. The "unit" is the term conventionally employed

as a standard of measurement of the work done in the secondary school, and is understood to represent the study of a high school subject for the duration of a school year of at least thirty-six weeks, on a basis of four to five recitation periods per week.

All units submitted to satisfy entrance requirements must be recognized by the secondary school as credits towards graduation in a college preparatory course. Commercial, vocational or industrial subjects will not be accepted as entrance units. Candidates for admission may submit entrance units in the following subjects:—

<i>Units</i>	<i>Units</i>		
English I (Grammar and Composition)	2	Intermediate French	1
English II (Literature)	2	Advanced French	1
Ancient History	1	Elementary German	2
European History	1	Intermediate German	1
American History	1	Advanced German	1
English History	1	Elementary Italian	2
American History and Civil Government	1	Intermediate Italian	1
World History	1	Advanced Italian	1
Problems of Democracy	1	Elementary Spanish	2
Social Studies	1	Intermediate Spanish	1
Economics	1	Advanced Spanish	1
Geography	1/2 to 1	Elementary Algebra	1
Law	1/2 to 1	Intermediate Algebra	1
Civil Government	1/2	Plane Geometry	1
Latin (Elementary)	1	Solid Geometry	1/2
Latin (Caesar)	1	Plane Trigonometry	1/2
Latin (Cicero)	1	General Science	1
Latin (Virgil)	1	Chemistry	1
Greek (Elementary)	1	Physics	1
Greek (Xenophon's Anabasis) .	1	Biology	1
Greek (Homer's Iliad)	1	Astronomy	1
Elementary French	2	Physiography	1
		Botany	1
		Zoology	1

UNIT REQUIREMENTS FOR THE VARIOUS COURSES

To be eligible to enroll for any one of the several courses included in the curriculum a specified number of units in required subjects must be offered. Elective subjects, sufficient to bring the total to 15 units, will be accepted but these additional units must be included in the list of approved subjects. The following table summarizes the required and elective units to be offered by candidates for the various degrees:

Bachelor of Arts

<i>Subject</i>	<i>Units</i>
Latin	3 to 4
English	4
Algebra	1 to 2
Plane Geometry	1
History	2
*Modern Language or Greek	2
Electives	2

Bachelor of Science*(In Biology, Chemistry or Physics)*

<i>Subject</i>	<i>Units</i>
English	4
Algebra	1½
Plane Geometry	1
Trigonometry or Solid Geometry	½
Science	1
*Modern Language	2
Electives	5

Bachelor of Science*(In Business Administration, History, Social Sciences or Education)*

<i>Subject</i>	<i>Units</i>
English	4
Algebra	1 to 2
Plane Geometry	1
Electives	4 to 5
*Modern Language	2
History	2

* Candidates who present no secondary school credit in a modern foreign language must register in one or other of the elementary courses offered in Modern Languages and continue their study of the language chosen throughout Sophomore Year. A comprehensive examination will be given at the completion of the Sophomore year language course. Those who fail to satisfy the reading requirements must continue their study of the language in Junior Year. German is the prescribed modern language for candidates for the Bachelor of Science Degree in Chemistry and Physics.

METHODS OF ADMISSION

Candidates are admitted to Holy Cross College (1) by *certificate*, (2) by *examination* in specified subjects or (3) by a *combination* of certificate and examination.

ENTRANCE EXAMINATIONS

Holy Cross College offers its own entrance examinations and accepts as equivalent to the same the examinations of the College Entrance Examination Board and of the New York State Board of Regents.

THE HOLY CROSS COLLEGE EXAMINATIONS

Entrance Examinations are conducted at the College in June (12 and 13, 1942) and, for a limited number of applicants, in September. *In view of the restricted quota on Freshman enrollment, candidates for admission by examination should appear for the June entrance tests to be assured of consideration for September admission.* The examinations given will be based on the standard syllabus requirements of approved secondary school courses.

ENTRANCE EXAMINATION FEE

The examination fee is \$5.00 for one examination and \$10.00 for two or more examinations. Payment on the examination fee should be forwarded upon receipt of formal notification of the acceptance of the candidate's application for entrance examinations. Candidates residing outside of Worcester county should report to the College on the afternoon or evening preceding the day of their first scheduled examination. Board and rooming accommodations in one of the College dormitories will be provided without further charge during the examination period.

ANTICIPATION OF ENTRANCE EXAMINATIONS

Prospective candidates for admission who have yet to complete their secondary school studies will be permitted to take entrance examinations for credit in non-certified courses upon completion of the school year in which such courses are taken. A certificate of credit for the subjects passed will be sent to the prospective candidate. This certificate is to be resubmitted when formal application for admission is made in Senior year.

APPLICATION FEES

All candidates applying for admission to the College are required to forward a matriculation fee of ten dollars with their applications. (*An application without the matriculation fee will receive no consideration.*) Matriculation fees will not be refunded unless applications are refused by the Committee on Admissions.

Candidates, upon receipt of final notification of the acceptance of their applications, are obliged to forward a guarantee fee of twenty-five dollars (\$25). Ten dollars of this amount is retained throughout the

year as a deposit against any damage that may occur in the room or dormitory occupied by the student. The remaining fifteen dollars is deducted from the first semester bill. When payment of the Guarantee Fee has been made and withdrawal of application occurs, this fee will be refunded only to those candidates whose notification of withdrawal has been received before August 15. Withdrawal of application after August 15, or failure to appear for September Registration forfeits this Guarantee Fee. Make all checks or money orders payable to Treasurer, Holy Cross College.

DORMITORY ACCOMMODATIONS

The residence halls of Holy Cross have accommodations for approximately one thousand students. Each room is arranged to accommodate two students and is provided with the essential articles of furniture, such as desks, chairs, lockers, beds, mattresses, pillows, linen and blankets. Students are expected to supply their own towels and any additional furnishings such as rugs, curtains etc.

Assignment of rooms for Freshmen is made by the Director of Admissions.

SCHOLARSHIP TESTS

Holy Cross College awards a number of competitive examination scholarships each year.

All scholarship candidates must make formal application for a specified scholarship on forms provided by the College. Only those who have specified in advance their intentions of entering the competition will be given consideration in the awards. To be eligible to compete in the scholarship tests, candidates are required to have maintained honor grades in their secondary school courses.

Scholarship tests are held at the same time as the entrance examinations in June. The tests are comprehensive and cover the following subjects:—English, Mathematics (Elementary Algebra, Intermediate Algebra and Plane Geometry), Latin, and choice of a modern foreign language or Greek.

No charge is made in connection with scholarship tests unless they are also to be considered as entrance examinations. A fee of ten dollars is charged for the privilege of taking entrance examinations.

Further details on Admission are found in the Bulletin on Information on Admissions.

FRESHMAN WEEK PROGRAM

For a period of several days following upon Registration and before the formal opening of classes all Freshmen are required to participate in the orientation program conducted under the supervision of the Dean of Freshmen and the Heads of Departments. By this means the College seeks to

aid the new student in properly adjusting himself to college life and to impress him with the distinctive advantages and educational opportunities which the College offers to its undergraduates. During this period Freshmen will have opportunity to become acquainted with the physical features of the Campus, to inspect the various college buildings and to note the location of lecture halls and class rooms. The sequence of guidance lectures given at this time by various members of the Faculty is planned to equip the student with a knowledge of the aims and scope of the various courses and to advise him with regard to efficient study techniques and proper use of the Library. A series of placement tests will be given to all Freshmen during this period.

ADMISSION TO ADVANCED STANDING

A student honorably dismissed from another college may be considered for admission to Holy Cross College on advanced standing. After an appraisal of his previous college record, credit will be allowed for such courses as are equivalent to courses offered at Holy Cross College and which have been passed with a grade of at least C. Such a student will be required to complete satisfactorily all the prescribed courses leading to the Bachelor's degree and to complete at least the full Senior year's work at Holy Cross College. An applicant for advanced standing should have the proper officials of institutions previously attended forward to the Holy Cross Registrar official transcripts of secondary school and college records.

THE COLLEGE YEAR

The College Year begins in September and is continuous throughout two semesters of approximately sixteen weeks each. Comprehensive examinations are held at the end of each semester.

CLASS HOURS

The morning class periods are from 9.00 to 11.40; the afternoon periods from 12.40 to 5.00. Punctual attendance of students is so insisted on that late students are not admitted to class.

HOLIDAYS

The year is divided into two semesters: the first semester from September to January, the second from February to the early part of June. Recesses are granted at Christmas and Easter. The limits of these recesses may not be extended without serious detriment to a student's class standing. Parents and guardians are therefore requested not to sanction or to ask for such extension. They are reminded, also, that exceptions made in favor of individuals are unfair to other students and injurious to discipline.

The ordinary holidays are as follows: holy days of obligation, state and national holidays, the semester holiday, and the President's holiday.

GRADES AND SCHOLARSHIP

The system of scholarship grading is as follows:

A report of class standing is made at the end of each semester.

A semester grade is the average of the term's mark plus the comprehensive semester examination.

All semester examinations must be passed before credit will be allowed in any course.

A semester grade of A or B+ is an Honor grade.

A semester grade of C+ is a Recommendation grade.

A semester grade below D is recorded as a course failure.

A semester grade of E is recorded as a conditional failure.

A semester grade of F is recorded as an unconditional failure.

The regulations respecting semester examinations and semester grades apply as well to the final examination in each philosophy treatise.

A student who, at the end of each semester, has not attained credit for at least three fifths of his courses will not be eligible for advancement. His case will be subject to the decision of the Committee on Standards (composed of the Dean and the departments involved). Depending on the nature of each case, this Committee will decide whether the student is

a) to be dropped from the College register

or

b) allowed to qualify for advancement by satisfactory repetition of the courses failed

or

c) allowed re-examination in the instance of conditional failures.

A student with a deficiency of credit (incurred either through absence or failure) must make up that deficiency at the time appointed by the Dean to regain good standing.

A student who has been dropped for studies may be readmitted subject to conditions to be determined by the Dean.

If the work of a student, in any course, be unsatisfactory in either semester notification of that fact is made to the parents in November and April.

A general average of C+ is required for recommendation to graduate or professional schools.

CREDIT FOR SUMMER SESSION WORK. The approval of the Dean of Studies is requisite to gain credit for work done in summer school at another college.

VOLUNTARY WITHDRAWAL FROM COLLEGE. A student who withdraws voluntarily from the college is entitled to honorable dismissal under the following conditions:

1. He must be in good standing on the records of the College; i. e., not liable to dismissal on account of failures, excessive absence, or breach of discipline.
2. He must return all College property.
3. All financial indebtedness must be settled with the College.

TRANSCRIPTS OF COLLEGE RECORD. Each student is entitled, on leaving the College, to a transcript of his record free of charge if his financial obligations to the college have been fulfilled. For additional transcripts a fee of one dollar will be charged.

No transcripts will be issued during the periods of commencement, registration and examinations.

EXTRA COURSES. A student in either Sophomore or Freshman class at the College is not permitted to carry a greater number of hours than the normal number required in his course; however, the Dean of the College may at his discretion allow the student to carry three hours more than the maximum required in his course. An additional charge is made for all extra courses. Upper classmen, with the approval of the Dean, may register for an extra course. The charge for such courses is \$35.00 for a full (year) course and \$20.00 for a half (semester) course.

REQUIREMENTS FOR DEGREES

BACHELOR OF ARTS HONORS DEGREE

The requirement for graduation with the Bachelor of Arts Honors Degree is the semester hours credit listed on page 47.

To be recommended for this degree the candidate must attain a grade of B in each of his thirteen major courses and a grade of C in at least three-fifths of his minor courses. The grades are determined partly by class recitations, class tests, quarterly examinations and semester comprehensive examinations. The scholastic success of the student is noted in his degree by the distinction of honors, honors cum laude, honors magna cum laude, and honors summa cum laude. Students who fail to attain these grades may be recommended for a degree without honors. Honors students are expected to do original and intensive work in their chosen branches and must render an account of their work by personal conferences with their instructors and by group discussions. The major courses are Freshman Latin 1, 2; Sophomore Latin 21, 22; Freshman English 3; Sophomore English 22; Freshman and Sophomore Greek Courses; Junior Philosophy; Senior Philosophy; Senior Ethics; and Junior and Senior Elective courses.

This course is established to foster the ambitions of those students who have manifested more than the ordinary intellectual ability during their secondary school education and to enable them to complete their knowledge through the medium of the classic tongues of Rome and Greece.

Based on the time-honored principles of the famous Ratio Studiorum, it is calculated to give those students who are sincerely interested in the humanities more comprehensive and more independent work than can be given profitably in other courses.

Holy Cross considers this course as representative of the classical principles for which she has long been noted and well adapted to develop fully and harmoniously not only the intellectual, moral and physical powers of the student, but also to imbue him with a delicacy of judgment and fineness of perception. This course aims to cultivate habits of mental industry, to develop initiative and individuality of thought and expression to such a degree that the student gives evident promise of leadership in his future career.

BACHELOR OF ARTS DEGREE WITHOUT HONORS

The requirement for graduation with the Bachelor of Arts degree without Honors is the semester hours credit listed on page 47.

This degree represents a plan of study which differs from the Honors Course chiefly in these respects: the grade required for graduation is D,

and Mathematics may be substituted for Greek in the Freshman and Sophomore classes. The course is based on the same unity of Literature and Philosophy and combines breadth of knowledge with specialization.

BACHELOR OF SCIENCE DEGREES

The science courses at Holy Cross aim to give the student a thorough grounding in fundamental principles and to cover as many treatises in advanced subjects of the major science as is compatible with undergraduate ability to assimilate and correlate knowledge. The science departments do not aim to give the student a detailed knowledge of the whole field even in a single science. The rapid advance of the sciences has made such an aim both undesirable and impractical. Without any corresponding increase in the capacity of the undergraduate to absorb knowledge, there has been a constant widening of the subject matter; the boundaries of science have already so extended that no man, certainly no undergraduate, can be expected to comprehend the whole field. Besides this increase in the extension of the subject, there is, moreover, a constant deepening of the field so that modern science necessarily has become concerned with philosophical problems.

In such a state of affairs, the mere multiplication of undergraduate courses can not produce the desired result and is apt to hinder a clear understanding of fundamentals, and a true appreciation of scientific limitations and possibilities. No intensification or lengthening of courses can guarantee the development of men of personality, educated to take wider views, mentally equipped to correlate new discoveries with the old, logically trained to detect and evaluate philosophical implications of scientific trends. On the other hand, the inclusion of a complete course in Scholastic Philosophy, which alone gives an adequate orientation to all intellectual activity, will in the long run be far more valuable than further detailed knowledge of special scientific treatises which might otherwise be gained in those class periods now assigned to Philosophy.

The scientific courses at Holy Cross leading to the degree of Bachelor of Science, in Biology, or Chemistry, or Physics, takes into consideration all these factors and insures the development of the type of scientist desired in graduate work, in the class room and in industry.

BIOLOGY. The Bachelor of Science Course in Biology offers instruction to the student who wishes to specialize in science or to teach this subject later in high school and to the general student seeking to learn the fundamental facts and principles of the animate world. This course with its valuable foundation courses in the fields of zoology, botany, physiology and general biology is offered, however, primarily for the pre-medical student.

CHEMISTRY. The Bachelor of Science Course in Chemistry offers excellent facilities both to the prospective teacher of chemistry and to the student who intends to become a professional chemist either in the field of production or in that of research.

PHYSICS. The Bachelor of Science Course in Physics aims to give the student a broad view of the important principles underlying physical phenomena. Emphasis is placed upon the experimental facts and the theories as well as on the mathematical calculations necessary for accurate recording and careful interpretation.

BUSINESS ADMINISTRATION (Accounting and Economics). This Bachelor of Science curriculum in Accounting and Economics is meant to give the student a general cultural education and a specialized knowledge of the fundamentals of business, and thereby aid him to advance in his chosen field. This course also satisfies the requirements of pre-legal work.

EDUCATION. The Bachelor of Science Course in Education aims to present a cultural and preparatory training for teaching. Those selecting this course will receive a thorough grounding in the History of Education, Educational Psychology, and the Principles of Secondary Education.

HISTORY. The Bachelor of Science Course in History is offered for those who may desire to specialize in this subject or wish to teach history in high school. It aims to give the student a comprehensive knowledge of the historical facts and movements which have brought about present day civilization. Effort is made to develop in the student an open mind and historical discrimination.

SOCIAL SCIENCES. The Bachelor of Science Course in Social Sciences provides for the student an understanding of the fundamental facts and principles involved in the origin and development of Society, of the forces which affect human conduct, of certain problems involved in the present organization of Society, and of the present day means of improving social conditions.

CREDIT HOURS. As generally accepted by the ruling of the Association of American Universities and Colleges a Semester Hour represents a course which meets once a week throughout the Semester. In ordinary lecture courses, the class period is of fifty minutes duration; in cases in which the class period is conducted in the style of a conference or seminar, the period is longer, or a greater number of them are required to give an equivalent number of credits; in all laboratory work, the length of a period required to give a semester hour credit is twice the length of the ordinary lecture period.

THE REQUIREMENTS FOR GRADUATION with the Bachelor of Science degree in Biology, or Chemistry, or Physics, or Business Administration or Education, or History, or Social Sciences are the semester hour credits listed on pages 50, 51, 52, 53, 54, 55, 56, 57. All these courses are based on the same unity of literature and philosophy.

To be recommended for any one of the preceding degrees a student must satisfactorily complete all courses in his field of concentration, e. g., if a student is a candidate for the Bachelor of Science degree in Biology he must complete satisfactorily all courses required by the college for this degree. Recommendation grade for graduate work is C+ in the cumulative college record.

Scholastic distinction in any of these courses is noted on the candidate's degree by the qualification 'cum laude,' 'magna cum laude' or 'summa cum laude.'

THESIS REQUIREMENTS

To be recommended for any degree a student not only must have satisfactorily completed the required courses leading to the degree, but must also submit during his Senior year an acceptable thesis of at least 3000 words on a special subject approved by the Head of the Department in which the student does his thesis. Two typewritten copies of the thesis must be submitted to the Dean not later than March 14.

REQUIREMENTS FOR VARIOUS DEGREES

BACHELOR OF ARTS

Honors and Non-Honors

128 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 3	3	3	6
English 4		2	2
Latin 1-2	4	4	6
Latin 3	2		2
*Greek 1-2, 5-6 or Mathematics 4-5	3	3	6
Modern Language	3	3	6
History 1	2	2	4
Religion 1-2	2	2	2
‡Naval Science 1-2	4	4	8
	—	—	—
	19	19	34

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Latin 21-22	4	4	6
Greek 17-18, 39-40, or Mathematics 22..	3	3	6
Modern Language	3	3	6
History 21	2	2	4
Religion 23-24	2	2	2
‡Naval Science 21-22	4	4	8
	—	—	—
	18	18	32

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Physics 41 or Chemistry 41 or Biology 43	3	3	6
Religion 45-46	2	2	2
**Elective	6	6	12
‡Naval Science 41-42	4	4	8
	—	—	—
	18	18	32

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
**Elective	6	6	12
‡Naval Science 51-52	4	4	8
	—	—	—
	18	18	30

*Courses 1-2 in Freshman, 17-18 in Sophomore, and in Junior a course in Greek Literature are required of students in the Honors Course offering no Greek for admission. Mathematics may be substituted for Greek if the Honors Course is not desired.

†All students are obliged to take at least two years of College Modern Language. **Elective courses, such as Education, Economics, English, History, Sociology, Foreign Languages, Political Science and Sciences may be chosen in Junior and Senior Years.

‡Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

BACHELOR OF ARTS

Pre-Legal

128 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 3	3	3	6
English 4		2	2
Latin 1-2	4	4	6
Latin 3	2		2
*Greek 1-2, 5-6, or Mathematics 4-5	3	3	6
Modern Language	3	3	6
History 1	2	2	4
Religion 1-2	2	2	2
‡Naval Science 1-2	4	4	8
	—	—	—
	19	19	34

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Latin 21-22	4	4	6
*Greek 17-18, 39-40 or Mathematics 22..	3	3	6
Modern Language	3	3	6
History 21	2	2	4
Religion 23-24	2	2	2
‡Naval Science 21-22	4	4	8
	—	—	—
	18	18	32

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Chemistry 41 or Biology 43 or Physics 41	3	3	6
Religion 45-46	2	2	2
**Elective	6	6	12
‡Naval Science 41-42	4	4	8
	—	—	—
	18	18	32

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
**Elective	6	6	12
‡Naval Science 51-52	4	4	8
	—	—	—
	18	18	30

*For Honors Greek is obligatory.

**Elective courses are to be chosen either in Economics, History, or Political Science.

‡Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

BACHELOR OF ARTS

Pre-Medical

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 3	3	3	6
English 4		2	2
Latin 1-2	4	4	6
Latin 3	2		2
*Greek 1-2, 5-6, or Mathematics 4-5	3	3	6
German or French	3	3	6
History 1	2	2	4
Religion 1, 2	2	2	2
	—	—	—
	19	19	34

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Latin 21-22	4	4	6
*Greek 17-18, 39-40, or Mathematics 22	3	3	6
Chemistry 11	5	5	8
Religion 23-24	2	2	2
German or French	3	3	6
	—	—	—
	21	21	36

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Physics 42	4	4	8
Religion 45-46	2	2	2
Biology 2-32	4	4	8
Chemistry 31-32	4	4	8
	—	—	—
	21	21	38

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Biology 61-62	4	4	8
Chemistry 61-61A	5	5	8
Religion 57	2	2	2
	—	—	—
	21	21	34

*For Honors Greek is obligatory.

BACHELOR OF SCIENCE

In Business Administration

130 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
English 4	1	1	2
Mathematics 2	3	3	6
Economics 6	3	3	6
Modern Language	3	3	6
History 3	3	3	6
Religion 1, 2	2	2	2
‡Naval Science 1-2	4	4	8
—	—	—	—
	18	18	34

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Economics 22	3	3	6
Economics 31	3	3	6
Economics 33 or Sociology 32	3	3	6
Modern Language	3	3	6
Religion 23-24	2	2	2
‡Naval Science 21-22	4	4	8
—	—	—	—
	18	18	34

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
Biology 43 or Chemistry 41 or Physics 41	3	3	6
Elective in Business Field	6	6	12
‡Naval Science 41-42	4	4	8
—	—	—	—
	18	18	32

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
Elective in Business Field	6	6	12
‡Naval Science 51-52	4	4	8
—	—	—	—
	18	18	30

‡Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

BACHELOR OF SCIENCE

In Biology

132 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
Mathematics 1	3	3	6
Biology 1-2	4	4	8
Chemistry 11	5	5	8
German or French	3	3	6
Religion 1-2	2	2	2
	—	—	—
	20	20	36

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Biology 31-34	2	2	4
Chemistry 31-32	4	4	8
German or French	3	3	6
Religion 23-24	2	2	2
History 3	2	2	4
	—	—	—
	17	17	32

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
Biology 41-32	4	4	8
Physics 42	4	4	8
	—	—	—
	17	17	30

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
Biology 61-62	4	4	8
Chemistry 61-61A	5	5	8
	—	—	—
	21	21	34

BACHELOR OF SCIENCE

In Chemistry

137 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
Mathematics 3	3	3	6
Physics 1	4	4	8
Chemistry 11	5	5	8
Chemistry 12	1	1	2
German 1 or 12	3	3	6
Religion 1-2	2	2	2
‡Naval Science 1-2	4	4	8
—	—	—	—
	21	21	38

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Mathematics 22	3	3	6
Chemistry 21-22	6	6	12
German 12 or 33	3	3	6
Religion 23-24	2	2	2
‡Naval Science 21-22	4	4	8
—	—	—	—
	18	18	34

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
Chemistry 61-61B	5	5	8
Chemistry 43	4		4
History 41	2	2	4
Mathematics 42		4	3
‡Naval Science 41-42	4	4	8
—	—	—	—
	20	20	33

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
Chemistry 51	5	5	8
Chemistry 52-53	3	3	6
‡Naval Science 51-52	4	4	8
—	—	—	—
	20	20	32

‡Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

BACHELOR OF SCIENCE

In Physics
(Theoretical)

134 Semester Hours
FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
Physics 1	4	4	8
Chemistry 11	5	5	8
Mathematics 3	3	3	6
German 1 or 12	3	3	6
Religion 1-2	2	2	2
†Naval Science 1-2	4	4	8
—	—	—	—
	20	20	36

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Physics 21	3	3	6
Physics 32-33	2	2	4
Mathematics 23	4	4	6
Mathematics 21	2	2	4
German 12 or 33	3	3	6
Religion 23-24	2	2	2
†Naval Science 21-22	4	4	8
—	—	—	—
	20	20	36

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
History 41	2	2	4
Mathematics 41	4	4	6
Mathematics 61	2	2	4
Mathematics 44	2	2	4
†Naval Science 41-42	4	4	8
—	—	—	—
	19	19	32

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
Physics 51	3	3	6
Economics 31	3	3	6
†Naval Science 51-52	4	4	8
—	—	—	—
	18	18	30

† Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

BACHELOR OF SCIENCE

In Physics

(Applied)

135 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
Physics 1	4	4	8
Chemistry 11	5	5	8
Mathematics 3	3	3	6
German 1 or 12	3	3	6
Religion 1-2	2	2	2
†Naval Science 1-2	4	4	8
	—	—	—
	20	20	36

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
Physics 21	3	3	6
Physics 31	3	3	6
Physics 32-33	2	2	4
Mathematics 22	3	3	6
German 12 or 33	3	3	6
Religion 23-24	2	2	2
†Naval Science 21-22	4	4	8
	—	—	—
	20	20	38

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
History 41	2	2	4
Physics 43	3	3	6
Physics 44	3	3	6
Mathematics 42		4	3
†Naval Science 41-42	4	4	8
	—	—	—
	17	21	33

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
Economics 31	3	3	6
Mathematics 61	2	2	4
†Naval Science 51-52	4	4	8
	—	—	—
	17	17	28

† Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

BACHELOR OF SCIENCE

In Education

130 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
English 4	1	1	2
Mathematics 4-5	3	3	6
Education 1	3	3	6
Modern Language	3	3	6
History 2	3	3	6
Religion 1-2	2	2	2
†Naval Science 1-2	4	4	8
—	—	—	—
	18	18	34

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
English 39-40 or Mathematics 24	3	3	6
Education 31-32	3	3	6
Modern Language	3	3	6
History 22	3	3	6
Religion 23-24	2	2	2
†Naval Science 21-22	4	4	8
—	—	—	—
	18	18	34

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
Biology 43 or Chemistry 41 or Physics 41	3	3	6
Education 61-70	3	3	6
***Elective	3	3	6
†Naval Science 41-42	4	4	8
—	—	—	—
	18	18	32

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
Education 51-63	3	3	6
***Elective	3	3	6
†Naval Science 51-52	4	4	8
—	—	—	—
	18	18	30

***The following courses may be elected: English Literature, Mathematics, History, Modern Languages, and Social Sciences.

† Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

BACHELOR OF SCIENCE

In History

130 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
English 4	1	1	2
Mathematics 4-5	3	3	6
*History 11-12	3	3	6
Modern Language	3	3	6
History 2	3	3	6
Religion 1, 2	2	2	2
†Naval Science 1-2	4	4	8
	—	—	—
	18	18	34

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
English 39-40	3	3	6
History 22	3	3	6
*History 11-12	3	3	6
Modern Language	3	3	6
Religion 23-24	2	2	2
†Naval Science 21-22	4	4	8
	—	—	—
	18	18	34

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
Biology 43 or Chemistry 41 or Physics 41	3	3	6
Elective in History	6	6	12
†Naval Science 41-42	4	4	8
	—	—	—
	18	18	32

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57-	2	2	2
Elective in History	6	6	12
†Naval Science 51-52	4	4	8
	—	—	—
	18	18	30

† Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

* History 11-12 (formerly Hist. 31-32) are given in a cycle for Freshmen and Sophomores.

BACHELOR OF SCIENCE

In Social Sciences

130 Semester Hours

FRESHMAN YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 1-2	3	3	6
English 4	1	1	2
Mathematics 4-5	3	3	6
Political Science 1	3	3	6
Modern Language	3	3	6
History 2	3	3	6
Religion 1, 2	2	2	2
†Naval Science 1-2	4	4	8
	—	—	—
	18	18	34

SOPHOMORE YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
English 22	3	3	6
English 30	1	1	2
English 39-40 or Mathematics 24	3	3	6
History 22	3	3	6
Economics 31 or Sociology 31	3	3	6
Modern Language	3	3	6
Religion 23-24	2	2	2
†Naval Science 21-22	4	4	8
	—	—	—
	18	18	34

JUNIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Philosophy 41-42-43-44	7	7	12
Religion 45-46	2	2	2
Biology 43 or Chemistry 41 or Physics 41	3	3	6
Elective in Social Studies	6	6	12
†Naval Science 41-42	4	4	8
	—	—	—
	18	18	32

SENIOR YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Credits</i>
Thesis in Major			
Philosophy 51-52-53-54	5	5	8
Philosophy 55-56	5	5	8
Religion 57	2	2	2
Elective in Social Studies	6	6	12
†Naval Science 51-52	4	4	8
	—	—	—
	18	18	30

† Appropriate substitution of courses and credit hours is made for each student enrolled in the Naval R.O.T.C.

COURSES OF INSTRUCTION

COURSE NUMBERS

Courses numbered 1-10 are either fundamental courses in a particular department or strictly Freshman courses.

Courses 11-20 are open to Freshmen and Sophomores.

Courses 21-30 are strictly Sophomore courses.

Courses 31-40 are Sophomore courses but open to Juniors and Seniors.

Courses 41-50 are strictly Junior courses.

Courses 51-60 are strictly Senior courses.

Courses 61-100 are upper division courses open only to Juniors and Seniors.

DEPARTMENT OF ACCOUNTING AND ECONOMICS

MR. FRANCIS X. POWERS, M.A. Chairman

Economics 6. Elementary Accounting.

This course develops the subject carefully, devoting its time and emphasis to the fundamental problems of accounting. It is built up along the lines and methods of modern accounting practice. The subject matter includes theories of debit and credit; classification of accounts; underlying principles of the various accounting records; business papers and documents used as the basis for first entry; simple problems of the balance sheet and profit and loss statement; controlling accounts; handling sales and purchases; safeguarding the cash; consignments; basic interrelations between accounting and business management; and related topics. Problem work in Accounting Laboratory is required for Freshmen registered for this course.

It is pre-requisite to all future courses in Accounting.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR POWERS, ASSISTANT PROFESSOR PERAGALLO AND
MESSRS. DEVINE AND MCCARTHY.

Economics 22. Economic History.

United States: Economic development from colonial days to the present time including modern European developments that affect the United States; the principal industrial interests such as agriculture, mining, fishing, manufacturing and transportation, money and banking, and the problems of labor, immigration, tariff and world-wide commercial relations.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR LOFTUS AND MR. DEVINE.

Economics 31. Principles of Economics.

The nature of economic science and its relation to political science; production: factors of production, the laws of increasing and decreasing costs; exchange: money, trade, credit, the nature and functions of banks; consumption; the problem of distribution; wages, profits, rents, taxation. The second semester of this course is devoted almost exclusively to the application of economic principles by means of the case system.

Three hours per week for two semesters.

Six semester hours credit.

ASSOCIATE PROFESSOR DUFFY AND ASSISTANT PROFESSOR SHIELDS.

Economics 33. Intermediate Accounting.

A thorough study of the corporation and its related problems are the chief aim of the course. Some of the topics covered are: records and accounts peculiar to a corporation; elements of manufacturing accounts; perpetual inventory; voucher system and pay-roll methods; theories of the balance sheet; its make-up, form and arrangement; valuation of assets in the balance sheet; depreciation; showing of liabilities; valuation of capital stock; profits; dividends; reserves and surplus; sinking and other funds; income summary and problems connected therewith; liquidation of a corporation; consolidations and mergers; branch house accounting; fire loss adjustments; hypothecation of accounts receivable, etc.

Practice work for the first semester will consist of data in corporation manufacturing accounting for record in blanks, and of correlated problems.

Practice work for the second semester will consist of carefully classified and graded problems.

Problem work in Accounting Laboratory is required for Sophomores registered for this course.

Prerequisite: Economics 6.

Three hours per week for two semesters.

Six semester hours credit.

MR. MCCARTHY.

Economics 50. Cost Accounting.

This course consists of an introductory study of cost accounting. Methods of finding the cost of specific orders or lots; the fundamentals of (a) process costs; (b) accounting for by-products and joint products; (c) estimate costs; (d) standard costs; and (e) cost problems of department stores.

Stress is placed on the accounting procedure necessary to accomplish correct results; also on acquiring familiarity with the uses of the forms more commonly utilized in cost accounting.

Prerequisites: Economics 6 and Economics 33.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR PERAGALLO.

Economics 55. Money and Banking.

The origin and evolution of money, the principles governing the price level and the fundamentals of banking organization and theory are studied. A survey of the banking organizations and methods used in the United States and a description of the principal foreign banking systems. This course deals with banking and credit from the public point of view rather than from that of banking as a business.

Three hours per week for one semester.

Three semester hours credit.

ASSOCIATE PROFESSOR DUFFY.

Economics 56. Commercial and Bank Credit.

Emphasis is placed upon credit and credit institutions and their services in the financing of the commercial operations of industry and commerce. Banking is viewed from the standpoint of the borrower. After treating of the elementary concepts of money, credit and exchange, the organization and operation of commercial banks are discussed. This is followed by a more detailed consideration of the credit department and sources of credit information. Borrowers' statements are analyzed; unsecured and secured loans studied. Commercial paper houses, discount companies and the acceptance market, as sources of working capital are discussed.

Three hours per week for one semester.

Three semester hours credit.

(To be offered 1942-1943)

Economics 57. Business Statistics.

This course is presented as a general introduction to statistical methods, as specified in economic study and in the control of business enterprises. The collection, presentation, and interpretation of data. Special attention is devoted to the application of the statistical methods to economic and business problems; the interpretation and criticism of statistical data.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR E. POWERS.

Economics 58. Auditing.

This course covers both the theory and practice of auditing, discussions being supplemented with problems, questions and specimen working papers such as are applicable to balance sheet audits. The detailed subject matter of this course covers the auditing procedure involved in connection with: cash and cash funds, receivables, inventories, investments, deferred charges, capital assets, intangible assets, liabilities—both actual and contingent, accounts showing net worth, closing of an audit, and preparation of audit reports.

Prerequisite: Economics 33 and Economics 50.
Three hours per week for two semesters.
Six semester hours credit.

ASSISTANT PROFESSOR PERAGALLO.

Economics 59. Taxation.

This course is designed to acquaint the student with the fundamental principles and laws governing taxation with special attention to Federal Income Taxation. Throughout the course a set of problems is used to illustrate the procedure for individuals, partnerships and corporations to follow in making tax returns.

Special consideration is given to the Social Security Tax Legislation with amendments to date and most recent regulations.

Prerequisite: Economics 6.
Three hours per week for two semesters.
Six semester hours credit.

PROFESSOR POWERS.

Economics 60. Modern Banking.

The purpose of this course is twofold; first to equip the student with the basic knowledge required for an intelligent approach to the banker—customer relationship by means of a detailed study of bank statements, nature of credit instruments which form the connecting link between the customer and his bank, the nature of bank deposits and protection afforded them, and the process of clearing and collecting checks.

The second purpose of the course is to give the student a working knowledge of contemporary banking institutions.

Three hours per week for one semester.
Three semester hours credit.

PROFESSOR POWERS.

Economics 62. Corporation Finance.

A course designed primarily for students in Business Administration. It treats of the financial structure of corporations, the factors affecting capitalization, the sources of capital funds, the procedures of corporation promotion, the methods and sources of short-term borrowing, the problems and techniques of internal financing and financial policy, corporate expansion and consolidation, failure and reorganization, liquidation. Emphasis is put on case work in the analysis of going business concerns, and on familiarity with the sources of financial information.

Three hours per week for one semester.
Three semester hours credit.

ASSISTANT PROFESSOR LOFTUS.

Economics 64. Principles of Marketing.

This course will cover in some detail such topics as, analysis of the product, analysis of the market, the various marketing agencies, organized exchanges, grading, storage, co-operative marketing, general price policies, price maintenance, brands and trade marks; sales organization and administration; purchasing: organization of department, standards, contract provisions, source of supply, methods of perpetual inventory and its uses in purchasing.

Three hours per week for one semester.

Six semester hours credit.

PROFESSOR POWERS.

Economics 65. Principles of Investments.

A survey course in the economic bases of investment practice, to which is added a detailed discussion of the techniques of security analysis and portfolio management. The following matters are discussed: The nature of the investment process; the objectives of investment practice and the major qualities of investment instruments—reversibility, taxability, degree of internal and external risk; the problem of portfolio composition as a problem in the combination of diverse objectives and qualities; characteristics of the principal investment media—bonds, preferred stocks and common stocks—governments, municipals, industrials, utilities, rails, real estate, banking and finance; the analysis of financial statements with particular attention to the examination of income accounts, and specific cases; the investment community—the function of the investment banker, broker, dealer, counsellor, etc. Attention is called particularly to such institutions as exist primarily or significantly for the transfer of the investment function.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR LOFTUS.

Economics 66. Advanced Economic Theory.

The scope, methodology, nature, significance and limitations of scientific inquiry in the field of Economics; the evolution of economic thought with respect to the concepts of monopoly and competition; the extent to which monopoly and competition are found in the contemporary business scene; the theory of monopolistic or imperfect competition; the changing relationship of government to economic enterprise; problems in the social control of business; a description of major trends in contemporary economic thought.

Prerequisite: Economics 31.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered 1941-42)

Economics 68. Applied Economics.

The chief objective of this course is to strengthen the student's grasp of economic principles and to help the student to interpret economic theory to the point where it becomes more definitely workable for the solution of business problems. The student during this course will consider a series of business cases that have a direct bearing upon the economic issues under consideration.

Prerequisite: Economics 31.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR PERAGALLO.

Economics 71. The Modern Corporation.

A study of the economic and social aspects of the corporate form of business organization. It includes a study of the history of the corporation, the legal theory of corporate enterprise, the dispersion of ownership in the modern corporation, the price and labor policies characteristic of the large-scale corporations, and the importance of the large corporation in business-cycle theory.

Three hours per week for one semester.

Three semester hours credit.

(To be offered 1942-1943)

Economics 72. History of Economic Opinion.

Pre-scientific economic thought, particularly in Greek, Roman and Medieval writers. More detailed analysis of mercantilism, physiocracy, the Political Arithmeticians, and cameralism. Economic science from Adam Smith to the present day. The object of the course is to present a critical as well as a merely historical account of the evolution of those lines of thought which dominate the economic thought of the present day.

Three hours per week for one semester.

Three semester hours credit.

(To be offered 1942-1943)

Economics 73. The Theory of Monopoly and Competition.

A survey of the development of the concepts of monopoly and competition in legal and economic literature. The basis of anti-trust programs in this country. The theory of monopolistic or imperfect competition. An examination of several principal industries with a view to determining the degree and character of competition found therein.

Three hours per week for one semester.

Three semester hours credit.

(To be offered 1942-1943)

Economics 74. Business Management.

A comprehensive survey of the principles governing the practical operation of a business enterprise. After preliminary investigation of the nature of business enterprise and the procedure of initiating a business project, the student will examine closely the techniques for planning and controlling production operations; personnel management; the organization of sales and distribution channels; business budgeting; product design; problems in purchasing and transportation of materials, parts and equipment; factory cost analysis; financial administration; and the principal phases of business law.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR LOFTUS.

Economics 75. Principles of Public Finance.

The nature of governmental expenditures, the expanding scope of public enterprise, the multiplication of functions of government. The sources of public revenues available to national governments, state governments and municipal entities. Semi-governmental agencies such as authorities and governmentally owned corporations. The principles and effects of public borrowing.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR LOFTUS.

Economics 76. Social Control of Business.

The history and theory of government regulation of industry. Administrative and economic problems attendant on regulatory policy. A detailed study of the theory and practice of regulation in the public utility, railroad, and petroleum industries.

Three hours per week for one semester.

Three semester hours credit.

(To be offered 1942-1943)

DEPARTMENT OF BIOLOGY

REV. JOSEPH F. BUSAM, S.J. Chairman

Biology 1. General Botany.

A general survey of the plant kingdom, beginning with a study of the vegetative organs of flowering plants, treating both gross and minute structures in their various modifications and physiology. Plant cytology receives detailed consideration with studies in cell structure, nuclear and cell divi-

sion, and the meiotic divisions. This prepares the ground for a complete synoptic series of the various phyla treated immediately next in order. The course concludes with special studies of the reproductive organs of the flowering plant.

Two lectures, and two laboratory periods per week for one semester.
Four semester hours credit.

ASSOCIATE PROFESSOR MALUMPHY.

Biology 2. General Zoology.

A general survey of the animal kingdom introduced by a rapid consideration of the frog to acquaint the student with fundamental notions of structure and physiology. This is followed by a study of the protozoa and of the animal cell with its nuclear, cell, and meiotic divisions. Here the laws of heredity are expounded and each evolved with the fruit fly as the specimen of exemplification. The study of the synoptic series of invertebrates is then completed.

Two lectures, and two laboratory periods per week for one semester.
Four semester hours credit.

ASSOCIATE PROFESSOR MALUMPHY.

Biology 31. Genetics.

A course designed to acquaint the student with the fundamentals of heredity and variation. Prominent among the topics considered are: the history of genetics, the significance of the science, Mendelian inheritance, the chromosome theory, sex determination, linkage, interaction of factors, the chromosome complex, hybridization, and the practical applications of the science.

Two lecture periods per week for one semester.
Two semester hours credit.

ASSOCIATE PROFESSOR MALUMPHY.

Biology 32. Anatomy of the Rabbit.

Supplementary to the introduction to vertebrate anatomy offered in Biology 2, this course provides a detailed study of the rabbit, stressing its anatomical features but including a minor amount of Physiology where complete clarity demands it.

Two lectures, and two laboratory periods per week for one semester.
Four semester hours credit.

PROFESSOR BUSAM.

Biology 34. Histological Technique.

A study and practical application of the paraffin, celloidin, and freezing methods of preparing tissues for microscopic examination. A certain number of well prepared slides will be required of each student.

One lecture, and one laboratory period per week for one semester.
Two semester hours credit.

ASSOCIATE PROFESSOR MALUMPHY.

Biology 41. Comparative Anatomy.

A comparative study of vertebrates, considering in detail the skeletal, integumentary, muscular, digestive, circulatory, uro-genital, and nervous systems. The forms selected for laboratory work are the dogfish, necturus, turtle, and pigeon; the method being that of parallel dissection, system by system.

Two lectures, and two laboratory periods per week for one semester.

Four semester hours credit.

ASSISTANT PROFESSOR CAMPBELL.

Biology 43. Animal Biology.

This course provides an acquaintance with the scientific method as applied in the field of Biology and a complete survey of the more important branches of the science. Included are lectures and accompanying laboratory work in Anatomy, using the rabbit for actual dissection purposes, Physiology, Cytology, Embryology, Histology, Histological Technique, Genetics, Lower Forms of Animal Life, and Bacteriology. The essentials of each branch are thoroughly explained and emphasis placed on the interesting and practical aspects.

Two lectures, and one laboratory period per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR CAMPBELL.

Biology 61. Vertebrate Embryology.

A study of the developmental anatomy of vertebrates from the early history of the gametes to the stage of growth exemplified in the 10 mm. pig. Fertilization and segmentation through the formation of the three germ layers are studied in the ascaris, sea urchin, amphioxus, and frog. A detailed consideration of the chick embryo from the primitive streak through the 72-hour stage then follows, and the course is concluded with a thorough study of the 10 mm. pig.

Two lectures, and two laboratory periods per week for one semester.

Four semester hours credit.

PROFESSOR BUSAM.

Biology 62. Vertebrate Histology.

A detailed study of the microscopic structure of fundamental tissues and their combinations in the various organs of the mammalian body.

Two lectures, and two laboratory periods per week for one semester.

Four semester hours credit.

ASSISTANT PROFESSOR CAMPBELL.

DEPARTMENT OF CHEMISTRY

REV. JOSEPH J. SULLIVAN, S.J. Chairman

Chemistry 11. General Inorganic Chemistry.

A thorough study of the physical and chemical properties of the elements and their more important compounds. Special emphasis is laid upon the relationships indicated by the periodic system and the electromotive series. Effects which accompany change of valence, etc., are interpreted on the basis of the electronic theory.

Required for Science and Premedical courses.

Two lecture hours, one quiz hour and two laboratory hours per week for two semesters.

Eight semester hours credit.

PROFESSOR SULLIVAN AND ASSISTANT PROFESSOR TANSEY.

Chemistry 12. Chemical Problems.

This course supplements Chemistry 11 and initiates the beginner in chemistry into the methods of solving simple problems involving the application of chemical principles.

Required for students majoring in Chemistry.

One lecture hour (with assignment of problems) per week for two semesters.

Two semester hours credit.

MR. MITCHELL.

Chemistry 21. Qualitative Analysis.

Lectures deal with the chemistry of analytical reactions, with special emphasis on the development and application of the laws of equilibrium and solution. Laboratory assignments include the analysis of cations and anions, of salts and alloys.

Required for students majoring in chemistry.

Two lecture hours and four laboratory hours per week for one semester.

Six semester hours credit.

Prerequisite: Chemistry 11.

ASSISTANT PROFESSOR CHAREST.

Chemistry 22. Quantitative Analysis.

Lectures deal with principles involved in volumetric and gravimetric analysis. Laboratory work comprises calibration of weights and volumetric glassware, neutralization, applications of the solubility product principle,

oxidation and reduction, electrodeposition of metals, pH and the quantitative estimation of carbon, phosphorous, silicon and sulphur in steel.

Required for students majoring in chemistry.

Two lecture hours and four laboratory hours per week for one semester.

Six semester hours credit.

Prerequisite: Chemistry 11 and 21.

ASSISTANT PROFESSOR CHAREST.

Chemistry 31. Qualitative Analysis.

The lectures discuss the properties of the metals and deal with the theory of precipitation and the laws of solutions.

Required for premedical students.

Two lecture hours and two laboratory hours per week for one semester.

Four semester hours credit.

Prerequisite: Chemistry 11.

ASSISTANT PROFESSOR CHAREST.

Chemistry 32. Quantitative Analysis.

This course takes in the elements of gravimetric and volumetric analysis. The laboratory program takes in neutralization, pH determination of solutions, applications of the solubility product principle, oxidation and reduction.

Required for premedical students.

Two lecture hours and two laboratory hours per week for one semester.

Four semester hours credit.

Prerequisite: Chemistry 11 and 31.

ASSISTANT PROFESSOR CHAREST.

Chemistry 33. Glass Practice.

A course in the theory and practice of glass manipulation, comprising lectures and seminars on the history of glass manufacture, as well as exercise in the technique of construction and repair of laboratory glass-ware. This involves a study of the characteristics of modern glasses, the working of these glasses in the blow-pipe, stop-cock grinding, and the various methods of tooling glass for different purposes. Exhibits of glass-ware from American Manufacturers complement the collection of glass-ware already on hand.

Advised for students majoring in chemistry.

Seminar or lecture one hour per week. Laboratory practice four hours per week.

One credit per semester.

PROFESSOR SULLIVAN.

Chemistry 34. Food and Nutrition.

Discusses the function of food in the living organism, metabolic routine in plants and animals, division of foods, nutritional processes, dietary standards.

Optional for all students of chemistry.

One lecture hour per week for one semester.

One semester hour credit.

(Not offered 1941-1942)

Chemistry 35. Industrial Chemistry.

This course outlines the chemicals used in industry, general processes, manufacturing machinery and methods, patents, applications to modern economic needs.

Optional for B. S. students.

One lecture hour per week for two semesters.

Two semester hours credit.

(Not offered 1941-1942)

Chemistry 41. General Chemistry.

An elementary course in the fundamental principles of chemical science, together with a description of the more common elements (including carbon) and their important compounds. The laboratory work is designed to illustrate those reactions which have found applications in the industries.

Optional for courses other than Science and Premedical.

Two lecture hours and one laboratory hour per week for two semesters.

Six semester hours credit.

MR. MITCHELL.

Chemistry 43. Colloidal Chemistry.

Lectures dealing with the preparation and properties of systems in the colloidal state; structure of surfaces; interfacial tensions; adsorption; electrokinetic effects; applications of natural and synthetic colloidal systems.

Required for students majoring in chemistry.

Two lecture hours and two laboratory hours per week for one semester.

Four semester hours credit.

Prerequisite: Chemistry 11, 21 and 22.

MR. MITCHELL.

Chemistry 51. Physical Chemistry.

A study of the fundamental principles and methods by which the behavior of matter in its various states and forms is interpreted. The course, by the study of gases, liquids, crystals, molecular constitution, principles of thermochemistry, solutions, homogeneous and heterogeneous equilibria,

kinetics and electromotive force lays a solid foundation for the more advanced studies in the field of physical chemistry.

Required for all students majoring in chemistry.

Two lecture hours, one quiz hour and two laboratory hours per week for two semesters.

Eight semester hours credit.

Prerequisite: Chemistry 11, 21, 22, 43 and 61.

ASSISTANT PROFESSOR TANSEY.

Chemistry 52. Qualitative Organic Analysis.

The purpose of this course is to acquaint the student with the reactions of pure organic compounds, and to teach them the use of group reagents in the separation of organic mixtures. The importance of good technique is stressed, especially in the isolation and purification of compounds. Methods of separating solid and liquid mixtures and identifying the different components are given. The laboratory course consists in the identification of the following unknowns: solid, liquid, solid mixture, liquid mixture, drug, dye, alkaloid, and a commercial product.

Required for students majoring in chemistry.

One lecture hour and two laboratory hours per week for one semester.

Three semester hours credit.

Prerequisite: Chemistry 11, 21, 22, 61, 43 and 53.

ASSISTANT PROFESSOR BARIL.

Chemistry 53. Ultimate Organic Analysis.

Lectures discuss the macro methods for the quantitative determination of carbon and hydrogen, nitrogen, the halogens, sulphur and phosphorous. The open flask, the open tube, the closed tube, and the bomb tube methods are employed. Applications of these methods to micro and semi-micro determinations are also outlined. The laboratory work calls for check analyses in the following methods: Fisher carbon and hydrogen, Kjeldahl nitrogen, Dumas nitrogen, Carius halogen, and Parr sulphur bomb.

Required for students majoring in chemistry.

One lecture hour and two laboratory hours per week for one semester.

Three semester hours credit.

Prerequisite: Chemistry 11, 21, 22, 43, 61.

ASSISTANT PROFESSOR BARIL.

Chemistry 61. Organic Chemistry.

This course consists of lectures on the fundamentals of the science, namely, nomenclature, synthesis, reactions, and properties of organic compounds and their application in medicine and also in the industries. It is intended to serve the needs of students who will major in chemistry or specialize in

organic chemistry, also of those who are enrolled in the premedical course. Required for students majoring in chemistry and also premedical students. Two lecture hours and one quiz hour per week for two semesters. Four semester hours credit. Prerequisite: Chemistry 11, 21 or 31.

ASSISTANT PROFESSOR BARIL.

Chemistry 61A. Organic Chemistry Laboratory.

An elementary course in the preparation and properties of the more important classes of organic compounds, arranged as a complement to the lecture course. Special emphasis is laid upon the correct set-up of all apparatus, neatness, and the purification of all preparations.

Required for premedical students.

Two laboratory hours per week for two semesters.

Four semester hours credit.

Prerequisite: Chemistry 11 and 31.

ASSISTANT PROFESSOR BARIL AND MR. MITCHELL.

Chemistry 61B. Organic Chemistry Laboratory.

Similar to Chemistry 61A, with the addition of more advanced and difficult syntheses in preparation for the advanced organic courses.

Required for students majoring in chemistry.

Two laboratory hours per week for two semesters.

Four semester hours credit.

Prerequisite: Chemistry 11, 21, 22.

ASSISTANT PROFESSOR BARIL AND MR. MITCHELL.

DEPARTMENT OF CLASSICS

I. GREEK

REV. JOHN C. PROCTOR, S.J. Chairman for Greek

Greek 1, 2. Elementary Greek.

Vowel, diphthong, and consonant observations; accent; declensions; conjugations; study of verbs, regular and irregular; formation of tenses.

The vocabulary of the student is naturally extended by simple sentences. The nominative-genitive inflection is recited, as is the comparison of adjectives and adverbs, and particularly in the same way the six principal parts of the verb given when met for the first time. The early use of an elementary dictionary is required. Correct letter formation of the Greek script is insured by systematic practice.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR PROCTOR AND MR. SULLIVAN.

Greek 5. Advanced Greek.

The reading of the *Odyssey* of Homer, together with a study of Homer as an epic poet, comparison with the Latin, Italian and English epic poets.

The reading of Plato's *Apology*, with a careful study of the trial and death of Socrates.

Prerequisite: three units of secondary school Greek.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR FORAN.

Greek 6. Advanced Greek.

The reading of the *First Olynthiac* of Demosthenes, with a careful study of the life and political activities of the orator; the reading of Euripides' "*Hecuba*," with a study of the Greek tragedy and the Greek stage; the reading of selections from other plays of Euripides. Sight reading in selections from Herodotus.

Prerequisite: Greek 5.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR FORAN.

Greek 17. Intermediate Greek.

This course continues the work of Greek 1 and 2. It begins with a rapid and intensive review of the Grammar and Syntax explained in Freshman year. Then follows a period of exact translations of selections from the Atticised version of Herodotus with careful study of his style and value as an historian.

The reading of selections from Lysias with reference to the development of Attic prose and with special emphasis on the structure of the forensic oration.

Prerequisite: Greek 1 and 2.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR FORAN AND ASSISTANT PROFESSOR DONALDSON
AND MR. SULLIVAN.

Greek 18. Intermediate Greek.

Introduction to Homer. The *Iliad* or the *Odyssey* must be read partly in original, entirely in translation. Selections from the *Iliad* or the *Odyssey* will be read with a study of the Homeric Dialect and of the eminence of Homer in his field of epic poetry; outline of Greek Epic poetry.

Prerequisite: Greek 17.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR FORAN AND ASSISTANT PROFESSOR DONALDSON
AND MR. SULLIVAN.

Greek 39. Advanced Greek.

A study of the principles of Oratorical Composition and Rhetorical Analysis is made as exemplified in the Philippics of Demosthenes, together with a study of the historical issue at hand.

A careful reading of Sophocles' "Oedipus Tyrannus," with character study and analysis, and study of the development and function of the Greek Chorus. This course is supplemented by Seminar work.

Prerequisite: Greek 5 and 6.

Three hours per week for one semester.

Three semester hours credit.

PROFESSORS FORAN AND PROCTOR.

Greek 40. Advanced Greek.

A careful study of Demosthenes' "De Corona" with comparative study of Aeschines against Ctesiphon. The course is supplemented by Seminar work.

Prerequisite: Greek 39.

Three hours per week for one semester.

Three semester hours credit.

PROFESSORS FORAN AND PROCTOR.

Greek 44. Seminar Work.

The seminar course offers readings in Homer, Herodotus, Plato, Sophocles and Demosthenes together with complete discourses from the Greek Fathers.

PROFESSOR PROCTOR.

Greek 62. Advanced Greek.

A study of the philosophical theories of Plato and Aristotle—the nature of the soul, the government of the state, education, and the principles of Ethics.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered—1942-1943)

II. LATIN

REV. HENRY E. BEAN, S.J. Chairman for Latin

Latin 1. Cicero, Horace, Virgil.

In the beginning of this course the value of humanistic studies and their influences on man are emphasized by the careful study of Cicero's "Pro Archia," carefully analyzing the great orator's opinion on their value and influences. Secondly, a study of the canons on Art, and on Literature in particular is made, as they are exemplified in Horace's "Ars Poetica."

Thirdly, a study of the epic style, and especially the style of Virgil, is made by a careful reading of the Ninth Book of the Aeneid.

Four hours per week for one semester.

Three semester hours credit.

PROFESSOR AHEARN AND ASSISTANT PROFESSORS GATELY, KEANE,
McDERMOTT AND MR. FUIR.

Latin 2. Horace and Livy.

This course is a continuation of Latin 1, comprising a study of Latin lyric poetry by the reading of the Odes of Horace as examples of the classical lyrics. The reading of selections from Livy.

Four hours per week for one semester.

Three semester hours credit.

PROFESSOR AHEARN AND ASSISTANT PROFESSORS GATELY, KEANE,
McDERMOTT AND MR. FUIR.

Latin 3. Composition.

A written exercise and class criticism twice a week for one semester in prose composition in imitation of Ciceronian style.

Two semester hours credit.

PROFESSOR AHEARN AND ASSISTANT PROFESSORS GATELY, KEANE,
McDERMOTT AND MR. FUIR.

Latin 21. Cicero and Tacitus.

This course is obligatory for all Sophomore students in the A. B. course.
Prerequisite: Latin 2.

The study of Tacitus as a stylist. A special study of Oratorical Composition and Analysis is made by a thorough study of the principles of Oratorical Composition as exemplified in Cicero's "Pro Lege Manilia," or "Pro Roscio Amerino" or "Pro Ligario."

A written exercise and class criticism once a week in prose composition in imitation of Ciceronian style.

Prerequisite: Latin 1 and 2.

Four hours per week for one semester.

Three semester hours credit.

PROFESSORS BEAN, DWYER AND ASSISTANT PROFESSOR DONALDSON AND
MESSRS. MADDEN AND O'CONNOR.

Latin 22. Cicero, Horace, Juvenal.

This course is obligatory for all Sophomore students in the A. B. course.
Prerequisite: Latin 21.

A comparative study of the Latin Satirists, Horace and Juvenal, and their influences on modern literature. A further study of the principles of Ora-

tical Composition is made by a thorough analysis of Cicero's "Pro Milone."

A written exercise and class criticism once a week in prose composition in imitation of Ciceronian style.

Prerequisite: Latin 21.

Four hours per week for one semester.

Three semester hours credit.

PROFESSORS BEAN, DWYER AND ASSISTANT PROFESSOR DONALDSON AND
MESSRS. MADDEN AND O'CONNOR.

Latin 61. A Survey of Classical Latin Literature.

The purpose of this course is to give a comprehensive view of Latin Literature. It offers extensive reading and critical appreciation of authors from early Latin to the close of the Golden Age.

Prerequisite Latin 21 and 22.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR BEAN.

Latin 62. A Survey of Classical Latin Literature.

This course offers extensive reading and critical appreciation of that period of Latin Literature which begins with Seneca and ends with the close of the Silver Age.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR BEAN.

DEPARTMENT OF EDUCATION

REV. RICHARD J. DOWLING, S.J. Chairman

Education 1. The History of Education.

The purpose of this course is to promote a clearer understanding of modern tendencies in education by a careful study of the problems, practices and ideals of the past.

Scope: A study of educational agencies of ancient times and continued through the Middle Ages and the Renaissance; a study of the growth of national systems, of popular education and the trend of education in the United States.

Three hours per week for two semesters. (B. S. Education Course)

Six semester hours credit.

Three hours per week for one semester. (A. B. Course).

Three semester hours credit.

PROFESSOR J. E. FITZGERALD.

Education 31. General Methods of Teaching.

The purpose of this course is to give the student a clear concept of the principles that govern teaching procedure so that he may better direct and stimulate learning activities.

Scope: A brief review of the salient characteristics of the learning process; consideration of general and specific objectives; direction of habit formation and right conduct; aids to the acquisition and use of knowledge; recognition and treatment of individual differences; measurement of achievement; analysis and interpretation of results.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR DOWLING.

Education 32. History of Education in the United States.

A study of the schools of Colonial America. The organization and development of public and private systems of education in the United States to the present day.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR J. E. FITZGERALD.

Education 51. Educational Psychology.

The purpose of this course is to acquire a working knowledge of those fundamental elements of psychology that relate to the educative process.

Scope: The course embraces a systematic study of the educable being, his native and acquired tendencies; economy in learning; the process of acquiring ideas and ideals; general intelligence and its measurements; significance of the whole in respect to classroom procedure.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR DOWLING.

Education 61. Principles of Secondary Education.

Evolution of the modern high school in the changing social and economic life in America; enrollment; aims, objectives, and functions of secondary education in a democracy; relations to elementary education and higher education; the curriculum and methods of teaching. A background for other courses in education, particularly those relating to secondary education.

Three hours per week for one semester.

Three semester hours credit.

PROFESSORS DOWLING AND J. E. FITZGERALD.

Education 62. Special Methods in English.

The purpose of this course is to aid those who intend to specialize in the teaching of English.

Scope: A detailed study of the aim and content of an approved course of English in secondary schools; methods of teaching oral and written expression; principles of appreciation, memory and review as they relate to English literature; practice in working out lesson plans for specific assignments in English.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR McCANN.

Education 63. The Junior High School and its Curriculum.

Principles underlying the Junior High School; its primary functions, trends of reorganization in the subjects taught; the program of studies, schedules, special responsibilities of guidance, study habits, and social development.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR KEVILLE.

Education 70. Educational Measurements.

Purpose: To give the student a ready, working knowledge of the character, extent and value of objective measuring devices in education and to acquaint him with various techniques of their administration.

Scope: The nature of educational measurements; characteristics of a good test, principles of test-construction; norms of pupil achievement in secondary school subjects; statistical methods of handling data; interpretation of results.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR KEVILLE.

DEPARTMENT OF ENGLISH

REV. JAMES L. BRENNAN, S.J. Chairman

English 1. Prose Composition and Reading.

This course aims to give a thorough training in the fundamentals of prose composition with practice in various forms of written expression. This work is coordinated with an appreciative study of the essay and prose readings.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR MURPHY AND MESSRS. GRACE AND MCNEIL.

English 2. Poetry.

A study of poetry; the principles of versification with treatment of the sonnet, ode and Spenserian stanza; a study of poetic diction and imagery; a study of the emotional and thought elements in poetry.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR MURPHY AND MESSRS. GRACE AND McNEIL.

English 3. Literature and Poetry.

An introduction to the study of literature; its characteristics, qualities and relation to other fine arts; the elements and divisions of literature; prose and poetry. The course develops with a specific study of poetry, its nature and province; the distinctive features of poetry, poetic diction, the emotional, imaginative and thought elements of poetry; poetic forms; epic, lyric and dramatic poetry together with critical appreciation and reading; frequent practice in composition is required.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR CUMMINGS AND ASSISTANT PROFESSORS DEVLIN,
GATELY, KEANE AND MURPHY.

English 4. History of English Literature.

Introduction: Chaucer—the poets of the Renaissance—Shakespeare—the age of Milton—the poets of the Romantic movement—Victorian poetry.

One hour per week for two semesters or two hours per week for one semester.

Two semester hours credit.

PROFESSOR CUMMINGS, ASSISTANT PROFESSORS DEVLIN, GATELY, KEANE,
MURPHY, McCANN AND MESSRS. GRACE AND McNEIL.

English 22. Precepts of Oratory and Shakespeare.

The theory of the art of oratory; analysis and study of oratorical masterpieces; preparation of briefs and the composition of speeches.

Shakespeare: A brief survey of the drama before Shakespeare; Shakespeare as a poet and a playwright; reading of some of his plays; class study of the tragedies, Macbeth and Hamlet; of the comedies, Merchant of Venice or the Twelfth Night.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSORS BEAN, DWYER, ASSISTANT PROFESSORS GALLAGHER, McCANN,
SHANAHAN AND MESSRS. MADDEN AND O'CONNOR.

English 30. History of English Literature.

The Age of Dryden; the Classical tradition; Nineteenth Century Prose; the Novel; Literature of the Twentieth Century.

One hour per week for two semesters.

Two semester hours credit.

PROFESSOR DWYER, ASSISTANT PROFESSORS DRUMM, McCANN,
SHANAHAN AND MR. MADDEN.

English 37. English Literature of the Eighteenth Century.

Poetry: Pope, Prior, Swift, Gay, Thomson, Shenstone, Young, Gray, Collins.

Prose: Swift, Defoe, Addison, Steele, Gay.

Three hours per week for one semester.

Three semester hours credit.

(To be offered—1942-1943)

English 38. English Literature of the Seventeenth Century.

Donne and metaphysical poetry. The Cavalier and Caroline poets: Carew, Suckling, Lovelace, Herrick, Herbert, Vaughan, Crashaw, Traherne. Later poets: Waller, Marvell, Cowley. Selected prose of Bacon, Burton, Walton, Bunyan, Evelyn, Pepys. Milton's poetry and prose. Dryden. The comedy of manners: Etherege, Wycherley, Vanbrugh, Congreve, Farquhar.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR DRUMM.

English 39. English Literature of the Eighteenth Century.

The novel: Richardson, Fielding, Smollett, Sterne. The Gothic Romance: Walpole, Mrs. Radcliffe. Poetry: Johnson, Goldsmith, Cowper, Chatterton, Crabbe, Blake, Burns. Prose: Johnson, Burke, Goldsmith, Sheridan, Boswell, Chesterfield, Walpole.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR DRUMM.

English 40. English Literature of the Nineteenth Century from the Lyrical Ballads to the Death of Scott, 1798-1832.

The general characteristics of the romantic movement. Wordsworth, Coleridge, Southey, Scott. The essayists: Lamb, Hazlitt, Hunt, Landor, DeQuincey, Byron, Shelley, Keats.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR DRUMM.

English 61. Victorian Literature (excepting the novel).

Tennyson, Browning, Elizabeth Barrett Browning, Arnold. The prose of Carlyle, Macaulay, Newman, Arnold, Ruskin, Pater. The Pre-Raphaelite Group: D. G. Rossetti, Christina Rossetti, Morris, Swinburne. The poetry of Fitzgerald, Clough, Patmore, James Thomson, Francis Thompson.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR DRUMM.

English 62. The English Novel in the Nineteenth Century.

Jane Austen, Scott, Dickens, Thackeray, Trollope, George Eliot, Charlotte Bronte, Emily Bronte, Hardy, Meredith, Henry James, Stevenson.

Three hours per week for one semester.

Three semester hours credit.

ASSISTANT PROFESSOR DRUMM.

English 73. Shakespeare.

The Comedies: "Love's Labour's Lost"; "The Taming of the Shrew"; "The Merry Wives of Windsor"; "The Winter's Tale"; "All's Well That Ends Well."

Lectures, readings and written papers.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR BRENNAN.

English 74. Shakespeare.

The Tragedies: "Coriolanus"; "Othello"; "King Lear"; "Anthony and Cleopatra"; "Timon of Athens."

Lectures, readings and written papers.

Three hours per week for one semester.

Three semester hours credit.

(Not offered in 1941-1942)

English 75. Shakespeare.

The Comedies: "Cymbeline"; "Troilus and Cressida"; "Much Ado About Nothing"; "As You Like It"; "Twelfth Night."

Lectures, readings and written papers.

Three hours per week for one semester.

Three semester hours credit.

(Not offered in 1941-1942)

English 76. Shakespeare.

The Comedies: "A Midsummer Night's Dream"; "The Two Gentlemen of Verona"; "Measure for Measure"; "The Comedy of Errors"; Reading and Interpretation of the Sonnets.

Lectures, readings and written papers.

Three hours per week for one semester.

Three semester hours credit.

(Not offered in 1941-1942)

English 77. Shakespeare.

The Historical Plays: "King John"; "King Richard II"; "King Henry IV"; Parts I and II; "King Henry V."

Lectures, readings and written papers.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR BRENNAN.

English 78. Shakespeare.

The Historical Plays: "King Henry VI"; Parts I, II and III; "King Richard III"; "King Henry VIII."

Lectures, readings and written papers.

Three hours per week for one semester.

Three semester hours credit.

(Not offered in 1941-1942)

English 79. Creative Writing.

A course dealing with the theory, analysis and creative technique of the short story, the critical and familiar essay, the editorial, the feature article, the one-act play and précis writing.

Lectures on theory will be accompanied by analysis of the work of masters of these forms, past and contemporary; criticism of the student's work and class discussions on style.

Three hours per week for two semesters.

Six semester hours credit.

MR. RYAN.

English 80. Chaucer.

A study of the works, the times, and the contemporaries of Chaucer. The aim of this course is to give the student a knowledge of the writings of Chaucer and of the literature of the Chaucerian Age.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BRENNAN.

English 81. Advanced Creative Writing.

This course, which is limited to students who have completed English 79, provides advanced training in the short-story and the one-act play, special attention being given to problems of plotting and characterization.

Three hours per week for two semesters.

Six semester hours credit.

MR. RYAN.

AMERICAN LITERATURE

The following courses in American Literature have a threefold purpose. The first purpose is to understand the author as a real human being. It includes a thorough study of the religious, moral, philosophical and literary influences which moulded the writer. The presence or absence of these makes the author's philosophy of life a very definite and personal one.

The second purpose is to read and criticize the principal works of the author in their entirety. The precise connection between the author's philosophy of life and the written works will be sought.

The third purpose is to evaluate these works for their literary worth. These literary judgments concerning the author will then be compared with the literary criticisms of the experts.

English 63. American Literature. Colonial and Revolutionary Periods.
First Semester. (1607-1789). C. Mather; S. Sewall; B. Franklin; T. Paine; P. Freneau.

Second Semester. (1789-1830). C. B. Brown; W. Irving; J. F. Cooper; E. Bryant; W. E. Channing.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered in 1941-1942)

English 64. American Literature. (1830-1870).
First Semester. H. Longfellow; O. Holmes; J. Whittier; J. R. Lowell; N. Hawthorne.

Second Semester. R. W. Emerson; H. Thoreau; J. Very; T. Chivers; E. A. Poe.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered in 1941-1942)

English 65. American Literature. (1830-1914).
First Semester. (1830-1870). Brook Farm; M. Fuller; B. Alcott; H. Melville; O. Brownson.

Second Semester. (1870-1914). S. Lanier; T. Aldrich; W. Whitman; E. Dickinson; H. Garland.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered in 1941-1942)

English 66. American Literature. (1870-1914).
First Semester. M. Twain; G. Boker; L. Guiney; B. Harte; S. Jewett.
Second Semester. W. Howells; H. James; J. London; F. Norris; S. Crane; H. Frederic.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered in 1941-1942)

English 67. American Literature. (1870-1914)

First Semester. O. Henry; F. Parkman; H. Adams; G. Santayana; J. B. Tabb; S. W. Mitchell.

Second Semester. R. Hovey; B. Carman; W. Moody; L. Reese; F. H. Smith; J. Allen; A. Bierce.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BRENNAN.

English 68. American Literature. (1870-1914)

First Semester. B. Tarkington; W. Churchill; R. Herrick; C. Fitch; F. Crawford.

Second Semester. R. Davis; I. Babbitt; E. Glasgow; Z. Gale; A. Repplier; P. Mackaye.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered—1942-1943)

English 69. American Literature. (1914-1940)

First Semester. E. A. Robinson; T. S. Eliot; J. Spingarn; S. Sherman; S. Anderson; W. Cather.

Second Semester. J. Hunecker; H. Mencken; E. O'Neill; U. Sinclair; J. Cabell.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered in 1941-1942)

English 70. American Literature. (1914-1940)

First Semester. T. Dreiser; R. Frost; A. Lowell; E. Pound; J. Hergesheimer.

Second Semester. M. Anderson; V. Lindsay; C. Sandburg; S. Lewis; R. Lardner; I. Cobb.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BRENNAN.

English 71. American Literature. (1914-1940)

First Semester. C. Aiken; B. Hecht; J. Dos Passos; S. Teasdale; E. Millay; G. Bradford.

Second Semester. E. Wharton; E. Wylie; R. Jeffers; E. Hemingway; D. Canfield Fisher.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered—1942-1943)

English 72. American Literature. (1914-1940)

First Semester. T. Wilder; W. Faulkner; V. Brooks; E. Masters; H. D. Doolittle.

Second Semester. T. Wolfe; W. Saroyan; A. Macleish; J. G. Fletcher; G. Stein; E. Poole.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered in 1941-1942)

DEPARTMENT OF HISTORY

REV. WILLIAM L. LUCEY, S.J. Chairman

History 1. European History — From the beginning of Christian Antiquity to the end of the Renaissance.

Required of all A. B. students.

Two hours per week for two semesters.

Four semester hours credit.

PROFESSOR HIGGINS, ASSOCIATE PROFESSOR MAHER AND MR. KINSELLA.

History 2. European History — From the beginning of Christian Antiquity to the end of the Renaissance.

Required of all students majoring in Education, History and Social Sciences.

Three hours per week for two semesters.

Six semester hours credit.

MR. KINSELLA.

History 3. European History — From the beginning of Christian Antiquity to the year 1914.

Required of Freshmen majoring in Business Administration and Sophomores majoring in Biology.

Three hours per week for two semesters; six semester hours credit. (Business Administration Course.)

Two hours per week for two semesters; four semester hours credit. (Biology Course.)

History 11. The History of the United States. (1492-1865).

A study of the political, social, and economic development of the American nation, from Colonial times to 1865.

Required for students majoring in History.

Lectures, library readings, and reports.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered—1942-1943)

History 12. The History of the United States. (1865 to 1941).

A study of the political, social, and economic development of the American nation from the Civil War to the present day.

Required for students majoring in History.

Lectures, library readings, and reports.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR LUCEY.

ASSOCIATE PROFESSOR MAHER.

History 21. European History — From the beginning of the Reformation to the year 1914.

Required of Sophomores in the A. B. course not majoring in pre-medical subjects.

Two hours per week for two semesters.

Four semester hours credit.

PROFESSOR LUCEY AND ASSISTANT PROFESSOR KIRLEY.

History 22. European History — From the beginning of the Reformation to the year 1914.

Required of Sophomores majoring in Education, History and Social Sciences.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR KIRLEY.

History 41. European History — From the beginning of Christian Antiquity to the year 1914.

Required of Junior students majoring in Chemistry or Physics.

Two hours per week for two semesters.

Four semester hours credit.

ASSOCIATE PROFESSOR MAHER.

History 61. Constitutional History of the United States.

The Origin of the Union, Colonial History, the Confederation, the struggle for the present Constitution; the real character of the Constitution; internal dissensions during Washington's administration; Alexander Hamilton. The influence of the French Revolution. The fall of Federalism; Jefferson; the purchase of Louisiana; history of slavery of 1787 and compromises in the Constitution. Marshall and the Constitution. History of Constitutional Amendments. The development of the various departments of American government.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR KEVILLE.

History 62. European History. (Nineteenth Century).

The Political and Social Revolution of the Nineteenth Century; Napoleon's Projects; the Congress of Vienna; the subsequent revolutions in France; the rise of the German Empire under the Hohenzollerns; the influence of Britain; the rise of Russia to a World Power; Social Theories of the period.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR HIGGINS.

History 65. Modern European History (1914 to present).

The rapidly changing events in world history which have happened since the World War period are studied in this course with reference to their causes and tendencies. The course begins with the World War I and extends to the present day. The causes of World War I; the Versailles Peace Treaty; the League of Nations; the rise of Nazism in Germany and Fascism in Italy; the Spanish War of 1936; Russia and the rise of Bolshevism; the Far Eastern Situation; World War II. The course aims especially to investigate the factors of totalitarianism, liberalism, economic depression, and the resultant strivings for a solution of social justice problems which have accompanied the rapid political changes of this period.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered—1942-1943)

PROFESSOR HIGGINS.

DEPARTMENT OF MODERN LANGUAGES

FRANCIS P. O'HARA, Ph.D. Chairman

I. FRENCH

French 10. Elementary French.

For beginners. This course aims to equip the student with a succinct and useful knowledge of essentials of French Grammar, giving him the ability both to write and read simple idiomatic French, and, through daily drill in phonetics, to speak simple French.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR BOWEN.

French 12. Intermediate French.

Its aim is an intensive and extensive study of the best prose authors of the 19th and 20th centuries, in the field of the Short Story and the Novel; which includes outside readings in the Novel, Short Story, and Literary History of the period.

In regard to grammar, a review of essentials of French 10. Most of the year, however, is spent in an intensive study of rule exceptions; complete study of the Infinitive and Subjunctive; the Irregular Verb, and through text, composition, and conversation, a progressive study of the French Idiom.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSORS BOWEN AND NELLIGAN.

French 14. Advanced French.

The aim of this course is an intensive study and survey of the 17th Century French Classic Drama, Corneille, Molière, Racine; their works, contemporaries, times and background in general, plus one or two 19th century dramas. Some of these plays will be assigned as outside reading. Each play is studied from the angle of plot, character, language, thought and style.

The course also calls for an intensive study of mooted syntactical points, and extensive employment of the idiom, through text, composition, and conversation, based on the texts, and topics of the day.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR O'HARA, ASSISTANT PROFESSORS FLYNN AND NELLIGAN.

French 32. Advanced French.

During the first semester a study of the greater 20th century playwrights is made, with attention to structure, plot, character, and thought, together

with a moderate study of French poetry covering the greater poems and poets of the 19th and 20th centuries. The second semester is given over to a thorough study of the French Sacred Orators and a few standard Prose Authors of the 17th and 18th centuries, with attention to structure, contemporaries, thought, style, and general background. In this course, fluency in syntax, composition, and use of the idiom, are attained through writing of short speeches, one act plays and short stories. The course, for the greater part, is conducted in French.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR O'HARA.

French 61. Composition and Conversation.

The aim of this course is to develop a greater facility both in written and spoken French. A review of the more difficult constructions; the writings of contemporary French authors are used as models of composition; a detailed study of phonetics is made.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR O'HARA.

II. GERMAN

German 1. Elementary German.

First Semester. A thorough study of inflections and of essential elementary syntax; drill in easy German composition and the acquisition of a small fundamental vocabulary.

Second Semester. Rapid intensive review of inflections; thorough study of all fundamentals of syntax; practice in writing sentences and in oral composition to make clear the principles of inflection and construction, and familiarize the student with their use; thorough and rapid reading and translation of German texts with particular attention to recognition of the vocabulary.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BOURSY AND MESSRS. HARRINGTON AND IANNUCCI.

German 11. Intermediate.

First Semester. Rapid and thorough review of all essentials of grammar; drill in German composition; special study of the more difficult points of syntax; thorough and rapid reading and translation of German texts with special attention to the grammar and constructions involved.

Second Semester. Thorough and rapid reading and translation of German

prose and poetry; translation from English into German; a study of the fundamentals of the formation, derivation, and composition of German words to the end of acquiring a sufficient vocabulary for sight reading and advanced study.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BOURSY AND MR. IANNUCCI.

German 12. Scientific German.

This course is especially designed to fulfill the requirements of a reading knowledge of German for medical and scientific schools.

Review of all essentials of inflections and syntax; reading and translation of German texts and analysis of the grammar and constructions involved; a fundamental study of the formation, derivation, and composition of German words with particular attention to the meaning of root words and to the meaning and influence of prefixes and suffixes.

A special study of syntactical points peculiar to scientific writings; reading of original German scientific texts.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BOURSY.

German 33. Advanced German.

Reading and study of prose classics and of the literary movements involved; also outside reading assignments; one composition in German per week. This course is largely conducted in German.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BOURSY.

German 34. Advanced German.

Reading and study of German poetry and dramas and of the literary movements involved; particular attention is paid to Lessing, Schiller, and Goethe; also outside reading assignments; one composition in German per week. This course is largely conducted in German.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR BOURSY.

III. ITALIAN

Italian 1. Elementary Italian.

A thorough grounding in the mechanics of the language. Drills and exercises, both oral and written, to give the student facility in pronouncing and translating the language and the ability to write simple Italian prose.

Three hours per week for two semesters.

Six semester hours credit.

MR. IANNUCCI.

Italian 12. Intermediate Italian.

A review of grammar; more advanced composition, vocabulary tests, practice in conversation. Study of Italian Literature through careful classroom translations and extensive outside reading.

Three hours per week for two semesters.

Six semester hours credit.

MR. IANNUCCI.

Italian 32. Advanced Italian.

A general survey of Italian Literature, with attention to the literary characteristics of the several periods. Lectures, a critical study of representative texts in Italian, and reports on collateral readings.

Three hours per week for two semesters.

Six semester hours credit.

(Not offered 1941-1942)

IV. SPANISH

Spanish 10. Elementary Spanish.

Exercises in the rudiments of grammar and pronunciation, writing of simple English sentences into Spanish, drill in dictation of words and sentences, memory of common expressions of conversation, translation of selections from classical authors into idiomatic English.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR CARROLL, ASSISTANT PROFESSOR FLYNN AND MR. BULGER.

Spanish 12. Intermediate Spanish.

Review of the grammar, writing of English prose into Spanish, dictation of prose and poetry, practice in original compositions in Spanish; literary criticisms of the authors read.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR CARROLL AND ASSISTANT PROFESSOR FLYNN.

Spanish 32. Advanced Spanish.

A general survey of Spanish Literature, with attention to the literary characteristics of the several periods. Lectures, a critical study of representative texts in Spanish, and reports on collateral readings.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR CARROLL.

Spanish 61. Latin American Literature.

A survey of Latin American literature dealing with the outstanding writers and works of the nineteenth and twentieth centuries.

Lectures, collateral reading, and reports.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR CARROLL.

DEPARTMENT OF PHILOSOPHY

REV. CLARENCE E. SLOANE, S.J. Chairman

Philosophy 41. Logic.

Definition and division of philosophy; natural and artificial logic; the three operations of the mind: idea, judgment, and reasoning.

The study of the idea: definition, extension and comprehension—division—the universal idea, predicables and predicaments. Terms: mental and oral—division—analogy and supposition.

The study of the judgment: definition—propositions, their nature and division — extension and comprehension of the predicate — quantity and quality of propositions — opposition, conversion and equivalence of propositions.

The study of reasoning: the syllogism, various kinds and their laws — figures and modes; other forms of argumentation; demonstration and its division; deduction and induction, complete and incomplete.

Seven hours per week for one-half semester.

Three semester hours credit.

ASSOCIATE PROFESSORS GLAVIN, HUTCHINSON, MORAN, O'MAHONY,
AND QUANE.

Philosophy 42. Epistemology.

The study of truth: logical and moral truth; falsity: the study of truth and falsity as completely found in the judgment; the study of the mind in relation to truth: ignorance, doubt, opinion and certitude, refutation of

Skepticism and Methodic Doubt; the means of arriving at certitude: senses, (external and internal), intelligence, reason, intellectual memory; the rejection of the various schools of Idealism; the establishing of the proximate and ultimate motives and criteria of truth.

Seven hours per week for one-half semester.

Three semester hours credit.

ASSOCIATE PROFESSORS GLAVIN, HUTCHINSON, MORAN, O'MAHONY,
AND QUANE.

Philosophy 43. Ontology.

The definition and proof of the objectivity of the idea of being; the analogy of being, its descent or contraction; how the precise concept of being is obtained; essences; physical and metaphysical, their objectivity; the transcendental properties of being, i. e., unity, truth and goodness; the possibles: their formal nature and their foundation; rejection of adverse theories; substance and accident: definition and division of, their objectivity; causality: efficient, formal, material and final—definition and proof of their objectivity; Infinite and finite; nature and person.

Seven hours per week for one-half semester.

Three semester hours credit.

ASSOCIATE PROFESSORS GLAVIN, HUTCHINSON, MORAN, O'MAHONY,
AND QUANE.

Philosophy 44. Cosmology.

The study of the origin of the world: Pantheism, Materialism, Creation; the divine purpose in creating; the world in its nature: finite, composite and contingent; essential constituents of bodies: Dynamic and Atomic theories; Hylomorphism; primary and secondary qualities of bodies; activity of bodies; radio-activity; law of conservation of energy; transmutation of matter; space and time; Descartes, Clarke, Balmes, on the nature of space; Kant's theory of space and time; laws of nature; miracles.

Seven hours per week for one-half semester.

Three semester hours credit.

ASSOCIATE PROFESSORS GLAVIN, HUTCHINSON, MORAN, O'MAHONY,
AND QUANE

Philosophy 51. Natural Theology.

The Existence of God: Monotheistic philosophers on our knowledge of the existence of God; Ontologism; Traditionalism; the metaphysical argument; the argument from design; the moral proof; Atheism, Agnosticism; Religious and moral consequences of Agnosticism.

The Essence of God: The idea of the Infinite; unity of God; physical and metaphysical essence; Polytheism; Pantheism; Modern Pantheists; Anthropomorphism.

The Divine Attributes; immortality, eternity and immensity of God; simplicity and infinity of God; the Divine Intellect and Knowledge; Fore-knowledge of God; Fore-knowledge of free actions; the Divine Will; Omnipotence of God.

Concurrence of God in the Actions of Creatures: preservation of creatures; supernatural, natural, mediate and immediate concurrence; Divine Providence and its relation to physical and moral evils; the possibility of a Supernatural Providence.

Supplementary Questions: Schopenhauer's "World Will"; Hartmann's "Unconscious"; Haeckel's Monism; Mansel, on contradiction in the idea of God; Spencer, on the idea of the absolute.

Five hours per week for one-half semester.

Two semester hours credit.

PROFESSORS WELCH, SLOANE AND ASSOCIATE PROFESSORS BIGGINS,
KEATING AND SHEA.

Philosophy 52. Fundamental Psychology.

Life in General: properties of living and non-living bodies; immanency of action; Scholastic concept of life.

Plant Life; sensitive life; unity and divisibility of the animal soul; instinct and intelligence; theories on the origin of the instinct.

Origin of Life: the scholastic theory on the origin of the first living bodies; refutation of Spontaneous Generation; the Scholastic doctrine on the origin of the species of plants and animals; Biological Evolution.

Five hours per week for one-half semester.

Two semester hours credit.

PROFESSORS WELCH, SLOANE AND ASSOCIATE PROFESSORS BIGGINS,
KEATING AND SHEA.

Philosophy 53. Advanced Empirical Psychology.

The first part of this course is devoted to a study of sensitive life, including the nature of sensation and its properties; the doctrine of the species, the external and internal senses, hallucinations and dreams; the perception of the material world and the refutation of the skeptical theories of Descartes, Locke, Berkeley, Hume, Mill, Bain; the sensuous appetite.

The second part of this course is devoted to a study of intellectual life, including the origin of ideas, judgment and reasoning, attention and reflection, memory, the rational appetite—the will, its nature and freedom.

Five hours per week for one-half semester.

Two semester hours credit.

PROFESSORS WELCH, SLOANE AND ASSOCIATE PROFESSORS BIGGINS,
KEATING AND SHEA.

Philosophy 54. Advanced Rational Psychology.

A study of the human soul, its substantiality, individuality, simplicity and spirituality; refutation of false theories on the nature of the human soul: Hume, Mill, James, Monism, Höfding; origin and destiny of the human soul; refutation of Anthropological Evolution.

Five hours per week for one-half semester.

Two semester hours credit.

PROFESSORS WELCH, SLOANE AND ASSOCIATE PROFESSORS BIGGINS,
KEATING AND SHEA.

Philosophy 55. General Ethics.

Definitions, nature, object, necessity of Ethics; the ultimate end of man; beatitude; the human act; merit and accountability; the passions; virtue and vice; morality of human acts; the norm of morality; Utilitarianism and Hedonism; Bentham, Mill and Spencer; the eternal law and the natural law; properties and sanction of the natural law; nature and origin of moral obligation; Kant's categorical imperative; Conscience.

Five hours per week for one semester.

Four semester hours credit.

PROFESSORS GILLIS, SHORTELL, STOCKMAN, SULLIVAN AND WELCH.

Philosophy 56. Special Ethics.

Man's duty to his Creator; Rationalism; Indifferentism.

Man's duty to himself; man's duty to preserve himself; suicide.

Man's duty to his neighbor; direct and indirect killing; killing done in self-defense; lying; mental reservation.

Right of ownership: Communism and Socialism; theories of Henry George; Herbert Spencer on the right of property; modes of acquiring property; rights of disposing property by will; contracts; relations of capital and labor; trade unions; strikes.

Social Ethics: Society in general: nature and end of domestic society; unity and indissolubility of matrimony; divorce; parental authority; education of the child.

Civil Society: nature, end and origin; false theories on the origin of civil society; Hobbes and Rousseau; the Scholastic doctrine; forms of civil government; citizenship; universal suffrage; the functions of civil government—legislative, judiciary, executive; taxation; death penalty; freedom of worship; freedom of the press; state education.

International Law: various meanings of *Jus Gentium*; foundation of international law; mutual relations of nations; right of commerce; rights of neutrals; nature and justice of war; arbitration.

Five hours per week for one semester.

Four semester hours credit.

PROFESSORS GILLIS, SHORTELL, STOCKMAN, SULLIVAN AND WELCH.

Philosophy 62. History of Philosophy.

A study of the Oriental, Greek, Christian, and Scholastic Schools of Philosophy; Modern Philosophy; various systems and theories of Descartes and his followers, Spinoza, Locke, Hume, Voltaire, Leibnitz, Berkley, Rousseau; the Scottish School and the Transcendentalists; Kant, Fichte, Schelling, Schopenhauer and Hegel; Neo-Kantians; Neo-Scholastics; Thomistic Philosophy under Leo XIII.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered—1942-1943)

NOTE: Philosophy Quiz Classes (two hours per week) are required of Seniors who have not attained an average grade of C+ in their Junior Philosophy Courses. These classes are under the direction of Professor Welch.

DEPARTMENT OF PHYSICS AND MATHEMATICS

REV. THOMAS H. QUIGLEY, S.J. Chairman

PHYSICS**Physics 1. Fundamental Principles of Physics.**

An Introduction to Mechanics, Heat, Sound, Light and Electricity for students who intend to pursue a scientific career. Problems are regularly assigned to test the student's grasp of the fundamental principles. This course is obligatory for all Freshmen majoring in Chemistry and Physics.

Three lecture hours and one laboratory period per week for two semesters.

Eight semester hours credit.

ASSISTANT PROFESSOR BURNS.

Physics 21. Geometrical and Physical Optics.

Fundamental Concepts in Geometrical Optics. Laws of Image Formation. Optical Systems. Aberrations in Optical Systems. Photometry. Optical Instruments. Interference, Diffraction and Polarization of Light. The Eye and Color Vision. Radiation. Interferometry.

Prerequisite: Physics 1.

Two lecture hours and one laboratory period per week for two semesters.

Six semester hours credit.

(To be offered 1942-1943)

Physics 31. Applied Mechanics.

Forces in One Plane. Forces in Space. Centroids. Moment of Inertia. Weighted Cords and Links. Dynamics of a Particle. Work and Energy. Dynamics of Rigid Bodies. Friction.

Prerequisite: Physics 1.

Three hours per week for two semesters.

Six semester hours credit.

ASSOCIATE PROFESSOR McDONALD.

Physics 32. Mechanical Drawing.

Isometric and Oblique Projections. Simple Perspective Projections. The Construction of Conics and Rolled Curves. Dimensioned Freehand Sketches from Machine Parts and Detail Drawings from the Sketches.

Two hours per week for two semesters.

Two semester hours credit.

ASSISTANT PROFESSOR MORAN.

Physics 33. Descriptive Geometry.

A study of the Fundamental operations of Orthographic Projection. Lines, Planes, Solids, Sections, Developments, Tangent Lines and Planes, and Intersections of Surfaces of Revolution.

One hour per week for two semesters.

Two semester hours credit.

ASSOCIATE PROFESSOR McDONALD.

Physics 41. General Physics.

A survey of the fundamental laws of Mechanics, Sound, Heat, Light and Electricity. The principles are illustrated by their application to the automobile, aeroplane, meteorology, seismology, astronomy, radio and television. The course is concluded by an introduction to Modern Physics.

Two lecture hours and one laboratory period per week for two semesters.

Six semester hours credit.

ASSOCIATE PROFESSOR McDONALD AND ASSISTANT PROFESSOR MORAN.

Physics 42. General Physics (Pre-medical).

A study of the elements of Mechanics, Heat, Sound, Light and Electricity. The student is required to become familiar with the use of instruments applied in medical investigations and practice, such as the balance, the galvanometer, the potentiometer, the microscope, the spectrometer, the polarimeter, the stroboscope, the vacuum-tube oscillator, the cathode-ray oscillograph and the Roentgen-ray generator.

Three lecture hours and one laboratory period per week for two semesters.

Eight semester hours credit.

ASSISTANT PROFESSOR CONNOLLY.

Physics 43. Electricity.

An intermediate course in Electricity, treating Electrostatics, Magneto-statics, Ohm's Law, Joule's Law, Kirchhoff's Rules, Thermo-electricity, Magnetic Field of a Current, Gaseous Conduction, Direct-current Measuring Instruments, Electromagnetic Induction, Alternating Current Circuits, Alternating Current Measuring Instruments, Electrical Oscillations and Electromagnetic Radiation. A working knowledge of the Calculus is presupposed for the solution of the regularly assigned problems.

Prerequisite: Physics 1.

Two lecture hours and one laboratory period per week for two semesters.
Six semester hours credit.

ASSISTANT PROFESSOR CONNOLLY.

Physics 44. Strength of Materials.

Physical Properties of Materials. Analysis of Stress and Strain. Uniform Stress and Uniformly Varying Stress. Stresses in Beams. Deflection of Beams. Statically Indeterminate Problems in Bending. Beams of Materials which do not follow Hooke's Law. Beam of Two Materials. Stresses due to Direct and Bending Loads. Combined Bending and Twist. Energy of Strain.

Prerequisite: Physics 31.

Three hours per week for two semesters.
Six semester hours credit.

(To be offered 1942-1943)

Physics 51. Theoretical Mechanics.

The Displacement and Motion of a Rigid Body. Dynamics of a Particle. Dynamics of a System of Particles. Motion of a Rigid Body about a Fixed Axis. Gyroscopic Theory. General Dynamical Theorems. Vibrations about a Position of Equilibrium. Principles of Least Action and Least Constraint. Potential Theory.

Prerequisite: Physics 31.

Three hours per week for two semesters.
Six semester hours credit.

Physics 52. Modern Physics.

The Photoelectric Effect. The Origin of the Quantum Theory. Specific Heats. Line Spectra and Interpretation. The Structure of the Atom. Roentgen Rays. The Nucleus of the Atom. The Wave Theory of Matter.

Prerequisites: Physics 1 or 42. (Elective for Seniors).

Two lecture hours and one laboratory period per week for two semesters.
Six semester hours credit.

(To be offered 1942-1943)

Physics 53. Electro-magnetic Theory.

Coulomb's Law and Some Analytic Consequences. The Electrostatic Problem for Conductors and Dielectrics. Magnetostatics. Maxwell's Field Equations. Electro-magnetic Waves.

Prerequisite: Physics 43.

Elective for Seniors majoring in Physics.

Two hours per week for two semesters.

Four semester hours credit.

Physics' Seminar.

The Physics' Seminar, a circle of the Faculty and the more advanced students majoring in Physics, meets semi-monthly for an hour. The topic for 1941-1942 will be "Gyroscopic Theory."

DR. BASCH.

MATHEMATICS*Mathematics 1. College Mathematics.*

The elements of College Algebra, Trigonometry and Plane Analytic Geometry, together with a brief introduction to the Differentiation and Integration of Algebraic Functions.

Required of Freshmen majoring in Biology.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR MORAN AND POWERS.

Mathematics 2. Introduction to Mathematics of Finance.

A review of the essentials of Algebra followed by a detailed treatment of Interest, Bonds, Annuities, Depreciation and Capitalization. This course is obligatory for all Freshmen majoring in Business Administration.

Three hours per week for two semesters.

Six semester hours credit.

ASSOCIATE PROFESSORS McDONALD, NESTOR
AND ASSISTANT PROFESSOR POWERS.

Mathematics 3. Mathematical Analysis.

The Logarithmic, Exponential, Circular and Hyperbolic Functions of a Real Variable. Complex Numbers. Solution of Equations and Determinants. Conic Sections and Transformation of Coordinates. An Introduction to the Calculus and Infinite Series.

Required of Freshmen majoring in Chemistry or Physics.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR BURNS AND MR. DOLAN.

Mathematics 4. College Algebra.

Review of elementary algebra; theory of equations; mathematical induction; binomial theorem; arithmetic and geometric progressions; permutations and combinations; theory of determinants.

Required of Freshmen in the A. B. Mathematics Course and B. S. Education, History and Social Science courses.

Three hours per week for one semester.

Three semester hours credit.

ASSOCIATE PROFESSOR McDONALD, ASSISTANT PROFESSOR
POWERS AND MR. DOLAN.

Mathematics 5. Plane and Spherical Trigonometry.

Solution of right triangles; fundamental identities; solution of oblique triangles; logarithmic functions; addition and product formulae; De Moivre's theorem; solution of right spherical triangles; solution of oblique spherical triangles.

Required of Freshmen in the A. B. Mathematics course and B. S. Education, History and Social Science courses.

Three hours per week for one semester.

Three semester hours credit.

ASSOCIATE PROFESSOR McDONALD, ASSISTANT
PROFESSORS CONNOLLY, POWERS AND MR. DOLAN.

Mathematics 21. Advanced Algebra and Geometry.

Permutations and Combinations. Theory of Rational Integral Functions. Transformation and Solution of Algebraic Equations. Special Equations. Affine Linear Transformations. Conics and Linear Families of Conics. Introduction to General Analytic Projective Geometry. The Sphere, Cone and Cylinder. Surfaces of the Second Order.

Prerequisite: Math. 3.

Two hours per week for two semesters.

Four semester hours credit.

(To be offered 1942-1943)

Mathematics 22. Elements of the Calculus.

Differentiation and Integration of the elementary functions, with applications to Geometry and Physics. Maclaurin's and Taylor's Series. Partial Differentiation and Multiple Integrals.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSORS BURNS AND MORAN.

Mathematics 23. Calculus.

The Continuum of Numbers. The Fundamental Ideas of the Integral and Differential Calculus. Differentiation and Integration of Functions of One Independent Variable. Taylor's Theorem. Infinite Series. Tests for Convergence and Divergence. Power series and Fourier Series.

Prerequisite: Math. 3.

Four hours per week for two semesters.

Six semester hours credit.

Mathematics 24. Elementary Statistics.

Frequency distributions; averages; moments; measures of dispersion; types of distributions; the normal curve; curve fittings; correlation theory.

Three hours per week for two semesters.

Six semester hours credit.

ASSOCIATE PROFESSOR McDONALD.

Mathematics 41. Advanced Calculus.

Functions of Several Variables and their Derivatives. Implicit Functions. Extreme Values. Multiple Integrals. The Calculus of Vector Quantities. Line and Surface Integrals. Theorems of Gauss, Green and Stokes. Differential Equations. Calculus of Variations. Functions of a Complex Variable.

Prerequisite Math. 23.

Four hours per week for two semesters.

Six semester hours credit.

DR. BASCH.

Mathematics 42. Differential Equations.

Ordinary Differential Equations of the first and second order. Integration in Series. Applications to Chemistry and Physics.

Prerequisite: Math. 22 or 23.

Four hours per week for one semester.

Three semester hours credit.

ASSOCIATE PROFESSOR McDONALD.

Mathematics 44. Mathematical Laboratory.

Interpolation. Numerical Computation of Determinants. Numerical and Graphical Solution of Algebraic and Transcendental Equations. Theory of Errors and Precision of Measurements. The Method of Least Squares. Numerical Integration and Summation. Practical Fourier Analysis. The Nu-

merical and Graphical Solution of Differential Equations. The Polar Planimeter and Mechanical Integration. Calculating Machines.

Prerequisite: Math. 22 or 23.

Two hours per week for two semesters.

Four semester hours credit.

DR. BASCH.

Mathematics 61. Vector Analysis.

The Algebra and Calculus of Vector Quantities. Theorems of Gauss, Green and Stokes. Orthogonal Curvilinear Coordinates. Scalar and Vector Potentials. Linear Vector Functions. Introduction to Matrices and Tensor Analysis.

Prerequisite: Math. 22 or 23.

Two hours per week for two semesters.

Four semester hours credit.

(To be offered 1942-1943)

Mathematics 62. Algebra: Special Topics and Aspects.

A course for prospective teachers of High School Mathematics. After Klein, the elements of Algebra are treated from an advanced standpoint. In addition, demonstration lectures are given by the students and practical classroom problems are discussed in detail. The student is made familiar with systems of grading and with the aptitude, prognosis and diagnostic type tests.

Three hours per week for two semesters.

Six semester hours credit.

ASSOCIATE PROFESSOR NESTOR.

Mathematics 63. Geometry and Trigonometry: Special Topics and Aspects.

This course is patterned after Mathematics 62. Following Klein, it treats the elements of Geometry and Trigonometry from an advanced standpoint. The student must give demonstration lectures and show that he has acquired a practical as well as a theoretical grasp of classroom technique.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered 1942-1943)

Mathematical Seminar.

The Mathematical Seminar, a circle of the Faculty and the more advanced students majoring in Mathematics and Physics, meets semi-monthly for an hour. The topic for 1941-1942 will be "Celestial Mechanics."

DR. BASCH.

DEPARTMENT OF RELIGION

REV. HAROLD V. STOCKMAN, S.J. Chairman

Religion 1. Fundamental Apologetics; Divinity of Christ.

A brief review in the fundamentals of Catholic doctrine including the ordinary daily prayers.

The Documents of Christian Revelation and their historic value are examined. The authenticity, integrity and reliability of the four Gospels are then established. From these, proofs are then drawn to establish the Divinity of Jesus Christ, the divine origin of His Mission and His Doctrines and the Divine approval of the Christian religion established by Him.

Two hours per week for one semester.

One semester hour credit.

PROFESSORS AHEARN, CUMMINGS, DOWLING, FITZGERALD, GILLIS,
SLOANE, WELCH, ASSOCIATE PROFESSORS MORAN, QUANE
AND ASSISTANT PROFESSOR McDERMOTT.

Religion 2. The Church of Christ.

This course, assuming Religion 1, goes further to prove the Catholic Church as the Church established by Christ. The designation of the Apostolic College as an authentic and authoritative teaching and ruling body is first examined; this is followed by an analysis of the promise and conferring of the Primacy of Jurisdiction on St. Peter. The nature, character and the Marks of Christ's Church. Detailed study is then made of certain special questions such as Papal Infallibility, Papal Jurisdiction, the Bishops and Councils, the relations of Church and State.

Two hours per week for one semester.

One semester hour credit.

PROFESSORS AHEARN, CUMMINGS, DOWLING, FITZGERALD, GILLIS,
SLOANE, WELCH, ASSOCIATE PROFESSORS MORAN, QUANE
AND ASSISTANT PROFESSOR McDERMOTT.

Religion 23. Existence and Essence of God.

This course begins with an examination of the idea of belief in God. The nature of Faith, Natural and Supernatural, is then examined, and the necessity and certainty of Faith are then pointed out. A brief study of general ideas about Sacred Scripture and Tradition as fonts of Revelation. The fundamental notions of the mystery of the Trinity of Persons in the one Divine Nature.

Two hours per week for one semester.

One semester hour credit.

PROFESSOR DOODY, ASSOCIATE PROFESSORS BIGGINS, GLAVIN, HUTCHINSON
AND ASSISTANT PROFESSORS DEVLIN AND GALLAGHER.

Religion 24. God and Creation.

The creation of the world and of its various component elements, together with certain related questions of modern interest. The state of Original Justice in which our first parents were created and their loss of this state and its privileges by Original Sin. The consequences of this sin are then taken up, together with the related question of the Immaculate Conception of Mary, the Mother of God. A discussion of Eschatology: the General Judgment; Heaven, Hell; Purgatory.

Two hours per week for one semester.

One semester hour credit.

PROFESSOR DOODY, ASSOCIATE PROFESSORS BIGGINS, GLAVIN, HUTCHINSON
AND ASSISTANT PROFESSORS DEVLIN AND GALLAGHER.

Religion 45. God, the Redeemer.

The Mystery of the Redemption, beginning with a study of the Person of the Redeemer. The associated Mystery of the Incarnation of the Second Person of the Trinity is taken up, and both mysteries are examined as far as revelation and human reason can go. The Hypostatic Union of the divine and human natures in the one divine person of Jesus Christ is studied, together with many questions involved in this, such as the divine and human wills of Christ, theandric actions, etc.

Two hours per week for one semester.

One semester hour credit.

PROFESSOR O'CONNOR.

Religion 46. God and Redemption.

The nature of Redemption. The Merits of Christ. The Worship of Christ; the devotion to Mary, the Mother of God, and an examination of her prerogatives; the devotion to the Saints. The application of the Redemption by an examination of the nature and the necessity of Grace. The definition and study of the different kinds of Grace: Sanctifying Grace; Actual Grace; Efficacious Grace.

Two hours per week for one semester.

One semester hour credit.

PROFESSOR O'CONNOR.

Religion 57. The Sacraments and the Mass.

This course is devoted to a consideration of the seven Sacraments together with a study of the Sacrifice of the Mass as the central act of Catholic liturgical worship. The course is followed from a practical rather than from an historical or theoretical viewpoint. Particular attention is given to the Sacrament of Matrimony. In addition to the spiritual and canonical implications of the Sacrament, considerable attention is given to the situa-

tional and character factors which advance or hinder the stability of modern Catholic marriage. An explanation of the Commandments of God and of the Church.

Two hours per week for two semesters.

Two semester hours credit.

PROFESSORS STOCKMAN, SULLIVAN AND ASSOCIATE

PROFESSORS KEATING AND SHEA.

DEPARTMENT OF POLITICAL SCIENCE

THE DEAN Acting Chairman

Political Science 1. The Fundamentals of Political Science.

An analytical and comparative study of modern governmental systems; the problem of government and the fundamental principles underlying the structural character of the different governments. Topics discussed: the nature of the state; the functions of the state and the jurisdiction of government; types of government; constitutions; branches of government; problems of administration; political leadership.

Three hours per week for two semesters.

Six semester hours credit.

ASSISTANT PROFESSOR KEVILLE.

Political Science 51. American National Government.

The functional division of Powers; the Judiciary, the Executive, the Legislative; interrelations of the three departments; growth of the American Constitutional System; the history of Parties; the fundamental principles of the American Constitution; general evaluation of the American Constitutional System, its weaknesses and deficiencies, its superiorities (First Term).

A continuous study of the leading cases in Constitutional Law from 1789 up to the present year (Second Term).

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR HIGGINS.

Political Science 62. United States Constitutional Law.

A study of the fundamental principles of the Constitution of the United States as developed in the judicial decisions of the Federal Courts.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered, 1942-1943)

Political Science 63. Public Administration.

A fundamental course in Public Administration, discussing the nature of public administration, the new public administration, evolution of governmental organization, financial administration, budgeting, purchasing, accounting, personnel administration, administrative law, legislation and adjudication, government reporting, services of government to the public.

Three hours per week for two semesters.

Six semester hours credit.

(To be offered, 1942-1943)

DEPARTMENT OF SOCIOLOGY

REV. DAVID W. TWOMEY, S.J. Chairman

Sociology 31. Principles of Sociology.

This fundamental course introduces students to the generalizing science of society. Its function is to present an analysis of the structural formation of human groupings as well as of the manifold possible variations in the societies of men. Its method is to study the concepts peculiar to the science, to delineate the important forms of social life. Its purpose is to help the student arrive at an insight into the complexity of his social nature and to provide him with a perspective before the study of specialized social problems. It serves, moreover, in its introductory capacity, as the means of acquainting the student with the major problems of sociological interest.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR TWOMEY.

Sociology 32. Labor Problems.

The purpose of this course is to introduce the student to the socio-economic problems affecting the human personality in the production and distribution of society's income, and to prepare him to enter upon the specialized personnel-management opportunities present within our economic organization.

Scope: To acquaint the student with the history and experiences of the "economic man" during the founding and expansion of the economic empire within the borders of the United States: to point out some of the problems, and the methods of human accommodation in personnel management; to criticize constructively the methods employed by labor, and management and capital, and government in an endeavor to eliminate employer-employee friction.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR SHORTELL AND MR. SHIELDS.

Sociology 61. Contemporary Sociological Theories.

Supplementing the course of concepts and principles, the course on theory presents the historical development of the science as found in the important authors. A descriptive and critical analysis of the theories exposed by authors from Auguste Comte to the present day illustrates the changing emphasis upon diverse factors conditioning social life. A consideration of the mechanistic, the geographical, the biological, the demographic, the sociologicistic, the psychological schools, both informs the student of the cultural development of sociology, and enables him by avoiding the errors of the past to direct his efforts along the path of balanced procedure.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR TWOMEY.

(To be offered, 1942-1943)

Sociology 62. Early Sociological Theories.

To broaden the perspective of the student of sociology, an investigation is made into the social theories of selected authorities who antedated the rise of formal sociology. In relation to the type of society and of culture in which they appeared, the social theories of Hindu Caste Society; the Confucian theory; the Graeco-Roman theories as illustrated by Plato, Aristotle, the Stoics, Cicero and Marcus Aurelius; the later Roman theories of the Church Fathers and of the Roman Jurists; the Medieval Lawyers; St. Thomas Aquinas; Francis Suarez and Hugo Grotius—are to be considered under their dominant characters. The purpose of the course is cultural but also orientated to the discovery of the various recent trends in respective periods of earlier date.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR TWOMEY.

(To be offered, 1942-1943)

Sociology 63. Criminology.

This course deals with the causes, treatment and prevention of crime. The nature of crime and the concept of causation in criminological literature are analyzed. A discussion of the more important theories of the etiology of crime, including the views of the Classical, Positivist and modern schools of criminological thought. A critical review of the basic approaches to the problem of crime and a consideration of the outstanding researches.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR TWOMEY.

Sociology 64. Penology.

A critical discussion of the main features of the legal machinery for the apprehension, trial and punishment of criminals. A study of the penological, reformatory and preventive programs with a survey of the various measures in operation for the moral, physical and social rehabilitation of offenders. Probation. Indeterminate Sentence and Parole. An analysis of preventive measures and outstanding crime surveys.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR TWOMEY.

Sociology 65. Social Statistics.

This course introduces the student to the quantitative method of the social sciences. It presents the principal methods of obtaining, analyzing, and interpreting the primary data of the social sciences and is designed as an introduction to social research. It includes a review of the simpler methods of statistical description and analysis most useful for such problems as meet the social scientist. The approach places emphasis upon the logical basis of inference rather than upon mathematics. It prepares the student both for the understanding of data arranged statistically and for active compilation and interpretation of research works.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR FACEY.

(To be offered, 1942-1943)

Sociology 66. Sociology of the Family.

This course is a study of the internal and external structures and functions of the several family institutions and their relation to the social structures of which they are parts. A critical examination will be made of the diverse theories of the origin and composition of the family. Special study will be made of the monographs of Frederick LePlay, and of the American family, with application to present state of familism and its consequences in relation to social prosperity.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR FACEY.

(To be offered, 1942-1943)

Sociology 67. Rural-Urban Sociology.

This course is designed to illustrate the effect of the rural or of the urban environment upon its inhabitants. It provides a descriptive historical account of the comparative distribution of men within these two areas with

an analysis of the respective results upon the birth rate, death rate, health, mentality, and manner of life and culture of the inhabitants. It includes an appraisal of the present distribution of men, a causal inquiry into the fact, the resultant social problems and proposed solutions thereof.

Three hours per week for one semester.

Three semester hours credit.

PROFESSOR CALLAGHAN.

(To be offered, 1942-1943)

Sociology 68. Social Pathology.

An analysis is made of the causes, extent, treatment and prevention of poverty, mental disease, handicaps and crime. This course presents the facts of social deviations and maladjustments present in contemporary society. It investigates their origin and their functional relation to social structure. It examines the efficiency of preventive and ameliorative agencies, with an effort to estimate the most effective distribution of agencies between private philanthropy and the government. Ethical principles are explained as correlated to remedial and constructive social policy. The student will observe conditions in such public institutions as almshouses, hospitals, schools for defectives, and housing projects.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR CALLAGHAN.

(To be offered, 1942-1943)

Sociology 69. Modern European Social Reforms.

An historical and critical analysis is made of the progression towards a new social order. The origin, nature, function and significance of Communism, Fascism, Nazism, and the Corporate State are explained. The conditions of their emergence and the significance of their presence are analyzed within the frame work of social and cultural dynamics with a view to acquiring a probable estimate of future social trends.

Three hours per week for two semesters.

Six semester hours credit.

PROFESSOR FACEY.

(To be offered, 1942-1943)

DEPARTMENT OF NAVAL SCIENCE AND TACTICS

COMMANDER CHARLES JULIAN WHEELER, B.S., U. S. Navy . . . Chairman
Graduate of U. S. Naval Academy; Graduate U. S. Naval War
College; Professor of Naval Science and Tactics.

LIEUTENANT COMMANDER CARROLL W. HAMILL, B.S., U. S. Navy (Ret.)
Associate Professor
Graduate of U. S. Naval Academy; Graduate of U. S. Naval War
College, (Junior Course).

LIEUTENANT JOSEPH C. MCGOUGHAN, B.S., U. S. Navy Assistant Professor
Graduate of U. S. Naval Academy.

NAVAL RESERVE OFFICERS' TRAINING CORPS

This Department is a Unit in the Naval Reserve Officers' Training Corps established by Act of Congress approved March 4, 1925. The Department is administered by commissioned officers of the Regular Navy, detailed by the Navy Department and serving under appointment by the President and the Board of Trustees of the College of the Holy Cross as professors, associate professors or assistant professors.

This Department offers the undergraduate a four year course which may be counted towards a degree. Satisfactory completion of the four year course and one cruise of about three weeks duration on a naval vessel at the end of the junior year will qualify the student for a commission as Ensign, United States Naval Reserve or as a Second Lieutenant, United States Marine Corps, provided he applies for the commission, obtains a degree from the College, is recommended, and passes a prescribed physical examination. Students who fail to graduate from the College, but who successfully complete the prescribed course in Naval Science and Tactics may be appointed to the United States Naval Reserve, or the United States Marine Corps Reserve, upon the recommendation of the Professor of Naval Science and Tactics and the approval of the Bureau of Navigation. Without such recommendation, no such student will be considered eligible for appointment in the Naval or Marine Corps Reserve until one year after date on which he would have graduated from the College.

The course in Naval Science and Tactics is given for those who intend to complete four years of training for a commission in the Naval Reserve. Only students signifying such a purpose will be accepted. All courses in Naval Science described hereinafter include infantry drill for one hour weekly for all Naval R.O.T.C. students.

The course in Naval Science and Tactics of the Naval Reserve Officers' Training Corps is divided into the Basic and Advanced Courses.

Naval Science 1-2 and 21-22 comprise the Basic Course in Naval Training. Naval Science 41-42 and 51-52 comprise the Advanced Course.

Eligibility to membership in the Naval Reserve Officers' Training Corps is limited to students who are citizens of the United States, not less than fourteen years of age, not more than twenty-four and whose condition indicates that they are physically and mentally qualified to perform Naval duty or will be so qualified upon arrival at military age. Citizenship must be substantiated by a birth certificate or naturalization papers. Students must pass the same physical examination as is required of all candidates for admission to the Naval Academy. Candidates shall pledge themselves, in writing, prior to the examination for enrollment in the Naval Reserve Officers' Training Corps, to agree to be immunized from typhoid fever and smallpox unless satisfactory certificate of immunity from these diseases is furnished.

Uniforms and equipment, (including text books) are furnished to the students by the government without charge. If the student severs connection with the Naval R.O.T.C. prior to receiving a commission in the Naval Reserve, uniforms and equipment must be returned.

The Navy Department pays monthly commutation of subsistence to students taking the Advanced Course provided they maintain a satisfactory standing and attendance. This amounts to a total of about \$175.00, covering subsistence during these two years and pay while on the cruise at the end of the junior year.

Naval Reserve Officers' Training Corps practice cruises will be held annually as prescribed by the Navy Department. A cruise of from three to four weeks is usually provided. Every member of the Naval R.O.T.C. Unit is expected to volunteer to make the summer cruises during the Basic Course. Basic Course students while making the cruise receive subsistence but not pay. One cruise is required of Advanced Course students who, while on the cruise, will receive pay at the rate of \$21.00 a month.

BASIC COURSE

Naval Science 1-2. Four hours of classroom work and one hour of drill or practical exercise per week. Four credits per semester.

(a) Naval History and Regulations.

(b) Ordnance: Practical and theoretical instruction in infantry and artillery drill, explosives, guns, gun mounts, ammunition, projectiles, breech mechanisms, firing circuits, gun sights, depth charges, mines, torpedoes, and fire control apparatus.

(c) Seamanship: Seamanship, boats, types of ships, buoys, ground tackle, small boat handling, steering and sailing rules.

(d) Communications: Morse code, semaphore, flags, pennants, signals and procedure.

(e) Administration: Naval policy and administration, Naval organization ashore and afloat, general drills, discipline.

Naval Science 21-22. Four hours of classroom work and one hour of drill or practical exercise per week. Four credits per semester.

(a) Steam Engineering: engineering processes, boilers, turbines, and reciprocating engines, auxiliaries, internal combustion engines, fuel, evaporators, economy and management of the engineering department of a naval vessel.

(b) Communications: organization and operation of the communication service, codes and ciphers, radio compass, underwater sound, correspondence.

(c) Navigation: coastwise navigation and piloting, dead reckoning, current sailing, compass, chronometers, lights, mooring board, analysis and compensation of compass errors.

(d) Gunnery: principles of naval gunnery, gunnery training, safety precautions, range finding and keeping, bore sighting, gunnery installations and fire control of various types of naval vessels.

ADVANCED COURSE

Naval Science 41-42. Four hours of classroom work and one hour of drill or practical exercise per week. Four credits per semester.

*(a) Electrical Engineering: uses of electricity aboard ship, magnetism, generators, alternators, motors, storage batteries, electric drive, switchboards, searchlights, interior communications, electric steering, gunnery circuits, radio and sonics.

*(b) Navigation and Nautical Astronomy: fundamental principles of astronomy, solar ephemeris, determination of latitude and longitude by celestial observations, azimuth, astronomical triangles, lines of position, deep sea navigation, time and time zones, chart work, star identification, tides, short methods of navigation and aerial navigation. 3

*NOTE: Navigation three hours per week and electricity one hour per week both semesters.

Naval Science 51-52. Four hours of classroom work and one hour of drill or practical exercise per week. Four credits per semester.

(a) Gunnery: naval gunnery and fire control, employment of weapons and ships in attack, training of personnel, and battle problems.

(b) Aviation: mission and history of Naval aviation, types and uses of

naval aircraft, aerology, the history of flight, aircraft engines, aircraft instruments, aircraft carriers, tactics of naval aircraft, and air navigation.

(c) Administration: internal ship organization, duties of department heads and division officers, watch officers' duties at sea and in port, naval regulations.

(d) Seamanship: steering of steamers, duties of officers, towing, maneuvering, emergencies, rules of the road, collision and grounding cases, command and naval leadership.

(e) Military Law: naval law, military government and martial law, rules of evidence, and procedure of Naval Courts and Boards.

(f) Tactics: elementary tactics, maneuvers, naval battles of the World War, estimate of the situation and formulation of orders.

For further information communicate with the Professor of Naval Science and Tactics, College of the Holy Cross, Worcester, Mass.

MASTER OF SCIENCE DEGREE

The College conducts courses in Chemistry for Fellowship Students leading to the Master of Science degree. Registration for these courses is allowed only to students who hold Bachelor's degrees from approved colleges and technical schools. Candidates for admission must file applications on or before April 15th. In support of his application, each candidate should forward for approval a complete transcript of his college record and two letters of recommendation from Professors of Chemistry under whose direction he has completed work in chemistry.

REQUIREMENTS FOR DEGREE

To become candidates for the Master of Science degree in Chemistry, students must fulfill the following conditions:

1. Attend and complete, with work of high quality, graduate courses amounting to not less than thirty semester credits of which at least ten must be obtained in laboratory courses.
2. Present a thesis of not less than 5000 words on a topic related to their major subject which shall include the results of original research and evidence of high scholarship.
3. Pass a one-hour oral public examination conducted by the Chairman and Faculty of the Department of Chemistry and such other members of the College Faculty as the Administrative Board may appoint.

Recommendation for the degree does not, however, follow automatically upon the completion of courses and examinations; but only on the affirmative judgment of the Department in each individual case.

OUTLINE OF COURSES

Chemistry 201. General Inorganic Chemistry. Two hours. Two credits. First semester.

A review of the relationships between family characteristics in the Periodic System and Atomic Structure.

PROFESSOR SULLIVAN.

Chemistry 202. Experimental Inorganic Chemistry. One hour and two laboratory periods. Three credits. First semester.

Advanced inorganic synthesis, special inorganic laboratory technique and introduction to research.

PROFESSOR SULLIVAN.

Chemistry 203. Organic Chemistry, Advanced Laboratory Course, Synthetic. Two hours and three laboratory periods. Five credits. Second semester.

Advanced organic synthesis, special organic laboratory technique and introduction to research.

MR. MITCHELL.

Chemistry 204. Organic Chemistry, Advanced Laboratory Course, Analytic. One hour and two laboratory periods. Three credits. First semester.

The reactions and properties of organic compounds. Use of group reactions in the identification of organic substances.

ASSISTANT PROFESSOR BARIL.

Chemistry 205. Organic Chemistry, Advanced Laboratory Course, Analytic. One hour and two laboratory periods. Three credits. Second semester.

Organic, quantitative analysis, including combustion for carbon and hydrogen; nitrogen, absolute and Kjeldahl; halogens, sulphur, and organic radicals.

ASSISTANT PROFESSOR BARIL.

Chemistry 206. Chemistry of Colloids. Two hours and three laboratory periods. Five credits. First semester.

A general discussion of the theory of colloidal behavior combined with an experimental study of the preparation and properties of colloids.

MR. MITCHELL.

Chemistry 207. Thermochemistry, including Thermodynamics with special reference to Chemistry. Three hours and two laboratory periods. Five credits. First semester.

This course deals with the more important applications of thermodynamics to problems in chemistry.

ASSISTANT PROFESSOR TANSEY.

Chemistry 208. Reaction Rates. Three hours and two laboratory periods. Five credits. Second semester.

A study of the kinetics of reaction in both homogeneous and heterogeneous systems, paralleled with experimental applications.

ASSISTANT PROFESSOR TANSEY.

Chemistry 209. History of Chemistry. One hour and assigned readings. Two credits. First semester.

Historical development of fundamental chemical concepts up to and including the 19th century.

ASSISTANT PROFESSOR TANSEY.

Chemistry 210. History of Chemistry. One hour with assigned readings. Two credits. Second semester.

Contemporary developments and contemporary chemists.

ASSISTANT PROFESSOR TANSEY.

Chemistry 211. Subatomics. One hour with assigned abstracts. Two credits. Second semester.

A review of the present theories of subatomic structure.

PROFESSOR SULLIVAN.

Chemistry 212. Seminar. One hour per week. One credit for each semester. First and second semesters.

PROFESSOR SULLIVAN.

RESEARCH FOR MASTER'S DEGREE

Chemistry 213, 214, 215, 216. Research for the Master's Degree. Four credits. Thesis-period.

FELLOWSHIPS

In 1926, Holy Cross College established six graduate fellowships in Chemistry, each fellowship carrying a stipend of \$450. These fellowships are offered to graduates of colleges and technical schools properly qualified to undertake graduate work in Chemistry. Application must be made on or before April 15.

CIVIL AERONAUTICS ADMINISTRATION

FLIGHT TRAINING

The Elementary Course of the Civilian Pilot Training Program was introduced at Holy Cross College in the Fall of 1940. There are three Programs a year, Spring, Summer and Fall, each of four months duration. REV. THOMAS H. QUIGLEY, S.J., is the Coordinator, and the flight training is given at the North Grafton Airport by the Jennings Brothers Air Service. MR. BERNARD H. MORAN, assistant professor of Physics and private pilot, is assistant to the Coordinator.

The 72 hour Ground School Course, given at the College, consists of:

Aerial Navigation	24 hrs.
Meteorology	24
Civil Air Regulations	18
General Service of Aircraft	6
	<hr/>
	72 hrs.

Each trainee receives at least 35 hours of flight instruction in 50 and 65 horsepower Taylorcraft airplanes, including 14 hours dual instruction, 7½ hours check, and 13½ hours solo. The flight course covers:

Taxiing, Take-offs, Forced Landings, Steep Power Turns, Power Landings, Air Work Landings, Precision Landings, Slips, forward, side, Dragging Areas, Stalls, Spins, Figure Eights, Power Approaches, Cross Country.

Students receive a Private Pilot's License upon successful completion of the Course.

REQUIREMENTS FOR ADMISSION

Applicants must be citizens of the United States and have attained their nineteenth but not their twenty-sixth birthday on the starting day of the Course.

If under 21, they must obtain the written consent of their parents or guardians for this training.

If enrolled in college, they must have satisfactorily completed at least one full year of college work, acceptable to Holy Cross College, with the expectancy of continuing their college work.

If not enrolled in college, they must have satisfactorily completed two full years or more of accredited college work acceptable to Holy Cross College.

They must never have been disqualified from participation in the Civilian Pilot Training Program by Advisory Board action.

They must satisfactorily pass a physical examination for a Student Pilot Certificate, with a Commercial CPT rating.

They must sign the following statement: "I pledge myself to apply for flight training with the Army or Navy of the United States when needed."

Cost of Course to Trainees: (exclusive of bus fare to and from Airport).

Ground School Fee	\$10.00
Insurance	7.00
Physical Examination	6.00
	<hr/>
	\$23.00

Request for information and application should be made to the Coordinator, C.A.A. Flight Training Program, College of the Holy Cross, Worcester, Mass.

COMMENCEMENT

Wednesday, June 11, 1941

ORDER OF EXERCISES

I. THE ACADEMIC PROCESSION

The Chief Marshals

The President of the College and His Excellency, the Governor
of the Commonwealth of Massachusetts

His Excellency, the Most Reverend Bishop of the Diocese of
Springfield and the Dean of the College

His Honor, the Mayor of Worcester and the Honorary Degree
Recipients

The Senior Professors of Philosophy and Religion

Alumni and Guests

The Faculty

The Candidates for the Degree of Master of Science

The Candidates for the Bachelor's Degree

II. NATIONAL ANTHEM

III. INVOCATION

Veni, Creator Spiritus,
Mentes tuorum visita,
Imple superna gratia
Quae tu creasti pectora.

Qui diceris Paraclitus
Altissimi donum Dei,
Fons vivus, ignis, caritas,
Et spiritalis unctio.

Deo Patri sit gloria,
Et Filio, qui a mortuis
Surrexit, ac Paraclito,
In saeculorum saecula. Amen.

IV. THE READING OF THE DEGREE BY THE DEAN OF THE COLLEGE.

REVEREND JOSEPH D. FITZGERALD, S.J.

V. THE HONORARY DEGREES ARE CONFERRED BY THE PRESIDENT OF THE COLLEGE.

VERY REVEREND JOSEPH R. N. MAXWELL, S.J.

VI. SALUTATORY

Patriotism and the Citizen

JOSEPH THOMAS FAHY

ORATION

Patriotism and the Republic
RAYMOND JOSEPH PAGE

VII. THE CONFERRING OF THE DEGREES IN COURSE

VIII. HIS EXCELLENCY, MOST REVEREND THOMAS M. O'LEARY, D.D.,
BISHOP OF SPRINGFIELD, AWARDS THE PRIZES.

IX. VALEDICTORY

Patriotism and the College Graduate
WILLIAM JOHN RICHARDSON

X. INTRODUCTORY ADDRESS

VERY REVEREND JOSEPH R. N. MAXWELL, S.J.
President of the College of the Holy Cross

XI. COMMENCEMENT ADDRESS

HIS EXCELLENCY, THE HONORABLE LEVERETT H. SALTONSTALL
Governor of the Commonwealth of Massachusetts

XII. ALMA MATER

RECESSIONAL

DEGREES CONFERRED

HONORARY DEGREES

DOCTOR OF HUMANE LETTERS

Reverend Francis Xavier Talbot, S.J., B.A., M.A., Litt.D.

DOCTOR OF LITERATURE

Francis Michael Crowley, B.A., M.A., Ph.D.

DOCTOR OF SCIENCE

Arthur Joseph Wallingford, B.A., M.D.

DOCTOR OF LAWS

Matthew Francis McGuire, B.A., LL.B.
Frank Michael Buckley, B.A., M.A., M.Ed.
Vincent John Baggott, D.D.S.

DEGREES IN COURSE

MASTER OF SCIENCE IN CHEMISTRY

Joseph Henry Carpentier, B.S.	Theodore William Sarge, B.S.
Peter Francis Della Luna, B.S.	Joseph Raymond Twining, B.S.
Charles Oscar Herman, B.S.	Jeremiah Joseph Twomey, B.S.

BACHELOR OF ARTS

Anthony Andrew Akstin	Robert Vincent Henry
Robert Harold Avery	John Ronan Higgins
Robert Joseph Bannin	John Vincent Hogan, Jr.
James Edmond Louis Bardsley	Vincent dePaul Holland
John Quentin Berry	Paul Michael Jakmauh
Edward Patrick Bird	Leo James Kelleher, Jr.
Robert Joseph Bliss	John Leo Kelly
Anthony Charles Capone	Robert Thomas Kickham
Edward Butler Carr, Jr.	Bernard Joseph Killion, Jr.
David Francis Carroll	Edward William Larkin, Jr.
John Whelden Carroll	Paul Peter Lavelle
Thomas Franklin Casey	Leonard Frederick Leamy
John William Cavanaugh	John Roger Lyddy
Martin Robert Chromik	John Rollin MacDonald
William Henry Coffey, Jr.	Stanley Gerard Keenan Mathews
Francis Arthur Cogswell, Jr.	Robert Arthur Meehan
John Richard Colbert	Paul Joseph Mester, Jr.
Bernard Moora Collins	John Andrew Millin, Jr.
Edmond Victor Cornellier	Frederick John Moore
George James Curley	Henry Matthew Moriarty
Joseph Edmund Daly	Francis Xavier Morrissey
John Francis Denehy	Martin Fahy Mulry
John William Dilibero	John William Murray
Edward Bernard Dillon	Donald Anthony McCarthy
John Henry Doherty	John Hylan Peter McDermitt
Boleslaus Stanley Dowgert, Jr.	Edward James McGeachey, Jr.
Robert Edward Downes	Edwin Charles McManus
Paul Francis Doyle	Louis Keegan McNally, Jr.
Jacques Ernest Dubois	Robert Elias Najemy
Robert Joseph English	Thomas Edward Noone
John James Ferry	Thomas Charles O'Brien, Jr.
George Henry Flynn, Jr.	Robert Edward O'Coin
Leonard Maurice Foley	John Henry O'Connor, Jr.
Stanley John Gavin	Charles Francis O'Donnell
William Richard Glendon	James Minton O'Hare
Joseph Theophil Francis Gorski	Francis Thomas O'Malley
William Francis Crady	Anthony Joseph Parisi
Edward George Granger	Walter Stephen Pendergast
Edward Augustus Green, Jr.	Anthony Pasquale Perroni
Anthony Vito Grella	Harry Coleman Potter
William John Haggerty, Jr.	John Vincent Power
Timothy Joseph Harrington	Paul Spencer Ravey
Henry Thomas Hayes	William Joseph Reedy

John Francis Reilly
 Louis Clement Renaud
 Albert Seymour Rose, Jr.
 John Joseph Ryan, Jr.
 Stephen Joseph Salayka, Jr.
 Rafael Manuel Sanchez-Ubeda

Joseph Daniel Sharry
 Nicholas Berchmans Sharry
 John James Solon
 Lawrence Paul Sullivan
 Jean Jay Webster
 James Lawrence Whelan

Irving Francis White, Jr.

Cum Laude

George Joseph Ferguson, Jr.

Francis Aloysius Kirby, Jr.

BACHELOR OF ARTS IN CURSU HONORIS

Frank Dudley Berry
 Herbert John Bliss
 Brutus Junius Clay
 Paul Joseph Connolly
 Albert Roy Dwyer
 Daniel Edward Gallagher

James Horsfall Mahoney, Jr.
 George Edmund Morris
 Matthew Robert McCann, Jr.
 Joseph Philip McCormick, Jr.
 William Peter McEaney
 John Joseph O'Hearn

Philip Paul James Powers

Cum Laude

Frank Michael Buckley, Jr.
 Frederic Joseph Buckley
 James Patrick Burke
 Andrew Augustine Caffrey
 Joseph Leon Charewicz, Jr.
 Neil Bickett DeCourcy
 Albert Peter Duhamel
 William Francis Enright
 Charles Gerard FitzGerald

William Wood Flanagan
 Wendell Arthur Garrity, Jr.
 Harry Joseph Mallette
 John James Moriarty
 William Francis Moynihan
 Arthur Thomas McClory
 Thomas Cusack McManus
 William Thomas Ratigan
 William John Richardson

Francis Duncan Wilson

Magna Cum Laude

John Joseph Devine, Jr.
 Joseph Thomas Fahy

Ralph Coughlan Murray
 Raymond Joseph Page

Robert Edward Scully

Summa Cum Laude

Gerald Francis Whalen

Edward Bennett Williams

BACHELOR OF SCIENCE IN BIOLOGY

Robert Paul Beaudette
 Forbes Britton Connor
 Clifford John Cook
 Gerard Richard Davis
 Joseph Aloysius Dorgan

John Ernest Guiney
 Robert David Hayes
 James Kenna Jones
 Paul Kingston Lerner
 Robert Francis LeGendre

William Joseph Maloney, Jr.
 Paul Joseph McGinity
 William Robert O'Connor

Arthur James Shanahan
 Francis Thomas Sweeney
 Charles Belden White, II

Cum Laude

Alberto Amador Castaner

Magna Cum Laude

Ralph Zanca

BACHELOR OF SCIENCE IN CHEMISTRY

Robert Byrne Baxter
 William Herbert Bromley, Jr.
 John Gerard Byrne
 Leonard Corbett Clossey
 William Joseph Fox

Cornelius Bernard Murphy
 Robert Ignatius O'Herron
 John Edward Shea, Jr.
 Anthony Nicholas Sinclitico
 Frederick Eugene John Storm

Cum Laude

James Francis Little

BACHELOR OF SCIENCE IN PHYSICS

Thomas Bartholomew Dowd

John James Murphy

Philip Michael Reidy

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

James John Armstrong
 James Brown, Jr.
 William Ernest Buron
 John James Bustin
 Robert Matthew Paul Byrne
 Richard Andrew Cantwell, Jr.
 Philip Robert Condron
 Bernard Joseph Connolly
 John Aloysius Creamer, Jr.
 Joseph Frank Devlin, Jr.
 Thomas Arthur DiFrancesco
 Graydon Thomas DiNapoli
 Thomas Thornton Doherty
 John Lincoln Xavier Donohue
 William Anthony Egan
 Richard Hugh Foster
 Francis Thomas Fox
 Frank James Gaziano
 Francis Herbert Gettens
 John Vincent Griffin

William Francis Joseph Hagan
 Jeremiah Joseph Healy, Jr.
 Charles George Hess, III
 John Francis Houlihan, Jr.
 Roger Timothy Kelley
 John Bernard Kelly
 Donald Edmond L'Ecuyer
 John Michael Leonard
 James Bernard Maroney
 Peter Francis Maxson
 George Sylvester Moore, II
 Paul Hammond Murphy
 James Anthony Murray, Jr.
 Bernard Leo McDonald
 Malachy Robert McGarry
 Laurence Edward McShane
 Hugh James McTiernan, Jr.
 John Wesley Peck
 John William Reardon
 Domnick Gustavus Riley

Thomas Mackin Sexton
 Charles Donald Stampel
 Raymond Francis Tangney
 Jack Anthony Vaccarelli

John Joseph Patrick Walsh
 Edgar John Whelan
 Myron Paul Witham
 Francis Anthony Young, Jr.

Magna Cum Laude

John Leo McDonough, Jr.

BACHELOR OF SCIENCE IN EDUCATION

Francis Joseph Casey
 John Richard Cooney
 John Joseph DeSalvia
 Paul Edward Dorrington
 Francis Xavier Glacken
 John Michael Kellar
 Robert Henry Lord
 Thomas Joseph Lynch
 Lucian Anthony Manzi
 John Louis Melody

Raymond William Monaco
 Joseph Patrick Morris
 Michael Joseph McCarthy, Jr.
 Martin James O'Brien
 Thomas Francis O'Leary
 Joseph Charles Osmanski
 Louis Edward Presti
 William Constantine Samko
 Robert William Tonelli
 John Joseph Tower

John Joseph Wallace

BACHELOR OF SCIENCE IN HISTORY

John Maurice Connole
 Donald Francis Cotter

William Shelly Finn
 Charles Joseph Lievi

Bronislaw Charles Malinowski

BACHELOR OF SCIENCE IN SOCIAL SCIENCES

Henry Wallis Butler
 Thomas Joseph Cunningham
 John William Hanlon, Jr.
 Thomas Joseph Kennedy, Jr.

George Manning Lynch
 James Anthony Morris
 John Bertram Murdock
 Joseph Pershing Savage

MARSHALS-IN-CHIEF

Mr. Raymond D. Kennedy

Rev. Leo A. Shea, S.J.

MARSHALS OF THE GRADUATING CLASS

Rev. Francis J. Hart, S.J.

Thomas Charles O'Brien, Jr.

Edward Bernard Dillon

MARSHALS OF THE FACULTY

Mr. Francis X. Powers

Rev. Joseph J. Clink, S.J.

MARSHAL OF THE ALUMNI

Mr. C. Bowman Strome

Degrees Awarded During the Summer of 1941

James Joseph Consolmagno
 Richard Barrett Fulham
 Harry William Woodin, Jr.

Bachelor of Science in Biology
 Bachelor of Science in Business Administration
 Bachelor of Science in Chemistry

DEAN'S LIST
FOR THE ACADEMIC YEAR 1940-1941

Junior Class
FIRST HONORS
Honors Course

William R. Brennan
Erwin W. Geissman
Joseph A. Grau
Edward M. Maher

Robert J. O'Hare
Edward C. O'Leary
Joseph J. Pucko, Jr.
William H. Shelton

James P. Whittemore

Arts Course

James W. Colbert, Jr.

Robert L. Schaefer, Jr.

Paul C. Shea

Business Administration Course

John L. Ford

Joseph F. McCarthy, Jr.

Daniel L. Pomerleau

SECOND HONORS
Honors Course

John J. Figueroa
Joseph J. Greaney
William E. Johnson
James F. Kennedy
Michael F. Kilty, Jr.
Charles L. Kirby, Jr.
John F. Luick
John B. Mitchell
Ambrose V. McCall

Joseph T. Nolan
Thomas P. O'Boyle
Richard B. O'Brien
William K. Rutledge
Timothy J. Spillane, Jr.
Frank I. Sullivan, Jr.
Harker E. Tracy
Edward A. Walsh
George W. Ware

Arts Course

J. Joseph Boehling, Jr.
Paul K. Cuneo
Rudolph Masciarelli

Edward T. Mester
Hugh J. Murphy
Michael J. O'Brien

Business Administration Course

William F. Connelly, Jr.
Robert F. Corsiglia
John P. Grennan, Jr.

Richard J. Hamilton
Frank A. Kelley
John P. Philbin

Chemistry Course
Joseph F. Boyce

History Course
Thomas N. Brown

Sophomore Class**FIRST HONORS****Honors Course**

George E. Brantl

James P. Lynch, Jr.

John R. McCarthy

Business Administration Course

James M. Quinn

SECOND HONORS**Honors Course**

Stephen S. Barone

David C. Murphy

Martin F. Conroy, Jr.

Kevin J. McCarty

William H. Diamond

Paul D. McCusker

Edward J. Finn, Jr.

Leonard J. McDowell

Daniel J. Gilmartin

Cornelius V. McGillicuddy

Edward Gilmore

John R. Quinn

Arthur M. Graham

William A. Sartorelli

John K. Granfield

Richard H. Shults

Francis J. Kelley, Jr.

Benjamin J. Singleton

William N. Larson

John P. Swords

James J. Markham

John E. Weir

William P. Whelan, Jr.

Arts Course

Andrew S. Carten, Jr.

George H. Merritt

John T. Hourigan

Robert P. McQueeney

Robert H. Stafford

Biology Course

John M. Lore

William J. McCann, Jr.

Thomas F. Riedy, Jr.

Business Administration Course

Richard J. Dubord

Thomas E. Meath, Jr.

Joseph D. Lynch

Jeremiah E. McQuillan

Joseph A. Mathieu

Peter J. Rogers

Education Course

Edward J. Harrington

Physics Course

Leonard I. Chang

Joseph J. Garamella

Freshman Class**FIRST HONORS****Honors Course**

Edward J. Comiskey, Jr.
 Russell G. Davis
 John T. Grady

Frederick R. McManus
 Francis A. Prout
 Kenneth E. Sullivan

Arts Course

John P. Morgan

Biology Course

Joseph J. Stapor

Business Administration Course

John F. Barry, Jr.
 Ernest F. Duhaime

John W. Gahan, Jr.
 James R. Healey

Harry E. Murphy

History Course

Robert B. Masterson, Jr.

SECOND HONORS**Honors Course**

Louis S. Bernadotte
 John J. Burke
 Thomas F. Casey, Jr.
 James T. Cassidy
 Mario H. Colecchi
 Edward M. J. Conan
 Paul J. Cronin
 Gerard C. DesRochers
 Robert A. Driscoll
 Thomas H. Driscoll, Jr.
 James D. Evans

Joseph Garland, Jr.
 Richard H. Graham
 Edward F. Kirby, Jr.
 William K. Masterson
 Walter R. Moynihan
 William P. McEniry
 James A. McKeough, Jr.
 Robert J. Schlitt
 Thomas J. Sullivan
 Patrick F. Sweeney
 George V. Walsh

Joseph T. Yabrosky

Arts Course

Francis E. Barry
 William P. Daley
 William J. Gallagher, Jr.

Edward J. Keating
 J. Austin Lyons
 John E. Tyler, Jr.

Francis G. Wholley

Biology Course

Robert L. Boettjer

George V. Coleman, Jr.

Business Administration Course

George A. Druckenbrod
Ralph C. Inbusch
Charles F. Kahler
Richard C. Krajenke

Robert J. Lawson
Paul H. Murray
Robert J. Nolan
Richard J. O'Connor

Neville A. Sasso

Chemistry Course

Ernest M. DiGeronimo

Education Course

Thomas J. Assad

Social Science Course

Raymond A. Cote
James D. Delaney

H. Edward Foote, Jr.
John W. Walber

AWARDS

JUNE, 1941

THE JOHN E. WICKHAM MEMORIAL PRIZE

THE JOHN E. WICKHAM GOLD MEDAL, established in 1939 by Mrs. Nicholas Wickham of Lee, Massachusetts, in memory of her son, The Reverend John E. Wickham of the Class of 1899, to be awarded annually to the highest ranking student in the graduating class, was awarded (ex aequo) to Gerald Francis Whalen and Edward Bennett Williams.

THE FLATLEY PHILOSOPHY PRIZE

THE FLATLEY GOLD MEDAL, founded in 1890 by the late Reverend Michael F. Flatley of the class of 1865, to be awarded annually to the student attaining the highest average in the Philosophy courses of Senior Year, was awarded this year to Edward Bennett Williams of the Class of 1941.

THE REVEREND JOHN F. REDICAN PRIZE

THE REVEREND JOHN F. REDICAN GOLD MEDAL, donated by a friend, in memory of Rev. John F. Redican, '78, for the highest average in Philosophy in the Honors Course of Junior Year was awarded to James Paul Whittemore of the Class of 1942.

THE STRAIN PHILOSOPHY PRIZE

THE STRAIN GOLD MEDAL founded in June, 1877, for the best essay submitted during the academic year on a subject taken from the field of Philosophy, was awarded to Albert Peter Duhamel of the Class of 1941, for his essay entitled "The Source, Extent and Limitations of Civil Authority."

THE NUGENT PHYSICS PRIZE

THE NUGENT GOLD MEDAL FOR PHYSICS, founded in June, 1894, by Reverend Edward Evans Seagrave, to perpetuate the memory of his ward, John T. Nugent, who died at the College in 1893, for general excellence throughout the course in premedical Physics was not awarded.

THE CROMPTON SCIENTIFIC PRIZE

THE CROMPTON GOLD MEDAL, founded in August, 1875, by George Crompton, Esq., for the best Scientific Essay submitted during the school year, was awarded to James Michael Owens of the class of 1942 for his essay entitled: "Modern Synthetic Fabrics."

THE EDWARD V. KILLEEN, JR., CHEMISTRY PRIZE

THE KILLEEN PURSE of Fifty Dollars for general excellence throughout the Bachelor of Arts premedical chemistry course, was awarded to Gerald Francis Whalen of the class of 1941.

THE FLAHERTY HISTORY PRIZE

THE FLAHERTY GOLD MEDAL, founded in May, 1903, by Patrick W. Flaherty, Esq., for the best Historical Essay submitted during the academic year on a subject selected by the Faculty was awarded to Ralph Coughlan Murray of the class of 1941 for his essay entitled: "The Corporative State in Portugal."

THE DEVALERA HISTORY PRIZE

THE DEVALERA PURSE—Income on \$1000—the gift of Daniel H. Coakley, for the best essay on a subject taken from Irish History, was awarded to Erwin William Geissman, Jr., of the class of 1942 for his essay entitled: "The Development of Modern Irish Drama and Theatre."

THE McMAHON HISTORY PRIZES

THE McMAHON HISTORY PRIZES—three purses derived from the income on \$2000—founded in 1927 by the late Rt. Rev. Msgr. John W. McMahon of the class of 1867, for the best essays on the history of the Catholic Church in New England were awarded for essays on the subject, "The Development of Catholic Journalism in New England." The first prize was awarded to Albert Peter Duhamel of the class of 1941; the second prize, to Louis Clement Renaud of the class of 1941; the third prize was not awarded.

THE REILLY MEMORIAL PRIZE

THE JAMES H. REILLY MEMORIAL PURSE—the income on \$600—founded by Joseph J. Reilly, '04, and immediate relatives, to be awarded annually to the student contributing the best short story to *The Purple*, was awarded to Martin Francis Conroy, Jr. of the class of 1943 for his story, "Seymour", published in the May issue.

THE BELLARMINI HISTORY PRIZE

THE BELLARMINI GOLD MEDAL, the gift of Mr. and Mrs. Edward J. McGratty, Sr., in memory of Patrick H. and Elizabeth L. McGratty, for the best historical essay on Colonial America submitted during the academic year was awarded to Robert Joseph O'Hare of the class of 1942 for his essay entitled: "Boston Patriots of 1775."

THE REVEREND WILLIAM F. HARTIGAN PRIZE

THE REVEREND WILLIAM F. HARTIGAN MEDAL, founded in May, 1932, by Josephine C. Hartigan in memory of her brother, the Rev. William F. Hartigan, to be awarded annually to a student of the graduating class submitting the best essay on a subject in Religion, was not awarded.

THE O'CONNOR DEBATING PRIZE

THE JOSEPH J. O'CONNOR PURSE, income on \$1000, the gift of the late Joseph J. O'Connor of the class of 1909 was awarded to the Senior Debating Team: Frank Michael Buckley, William John Richardson, Edward Bennett Williams.

THE FALLON DEBATING PRIZE

THE FALLON DEBATING PRIZE, founded in 1901 by Rev. John J. Fallon of the class of 1880, was awarded to the intra-mural debating team of Sophomore B. of the Arts course. Gold charms were awarded to: James Anthony Blakely, Kevin Martin Earls, Richard Gardner Johnson, Joseph Patrick Murphy, John James O'Toole and John Emmett Weir.

THE JOHN C. LAWLOR PRIZE

THE JOHN C. LAWLOR ATHLETIC SCHOLARSHIP MEDAL, the gift of the class of 1911, to perpetuate the memory of Dr. John C. Lawlor, '11, for the Student Athlete judged the best student and athlete throughout the college course was not awarded.

THE KRANICH PRIZE

THE KRANICH GOLD CHARM, the gift of the Kranich Bros. Incorporation, to be awarded annually to the student contributing the best essay to *The Purple*, was awarded to Paul William St. George of the class of 1942, for his series of essays on Walt Disney's "Fantasia" published in the March, April and May issues.

THE PURPLE PRIZE

THE PURPLE PURSE OF TEN DOLLARS, donated by the College, awarded annually to the student contributing the best poem to *The Purple*, was awarded to Edward Francis Danowitz of the class of 1943 for his poem "A Soldier's Advice to His Son", published in the November issue.

THE AMERICAN-HELLENIC PRIZE

A PURSE OF TWENTY-FIVE DOLLARS, instituted in 1940 by the George Jarvis Chapter No. 80 of the American-Hellenic Educational Progressive Association, to be awarded annually to a student of the Junior Class attaining the highest scholastic standing in the Greek Department, was awarded to John Bernard Mitchell, Jr. of the class of 1942.

COLLEGE ORGANIZATIONS

THE LEAGUE OF THE SACRED HEART

The League of the Sacred Heart was established at the College on the first of November, 1888. It has ever since been a most efficacious means of propagating among the students the practice of a most tender devotion of the Sacred Heart of Our Lord.

THE SODALITY OF OUR LADY

The Sodality of Our Lady was organized on the eighth day of December, 1844, and aggregated to the Roman Prima Primaria on the tenth day of April, 1846, with the title of the Immaculate Conception, and under the patronage of St. Aloysius. In the beginning, it was alike for the boarders and the day students; but later, after the establishment of a distinct sodality for the day students, it became the exclusive sodality for the boarders. Like any sodality of Our Lady, it has for its object the fostering of filial devotion to the Mother of God and the practice of virtue and piety among its members.

THE DAY STUDENTS' SODALITY

This Sodality of Our Lady was organized as a separate sodality for the benefit of the day students in May, 1903, and aggregated to the Roman Prima Primaria on the first day of May, 1904, with the same title of the Immaculate Conception as the boarders' sodality, but under the patronage of the Holy Angels. It has the same object in view as the boarders' sodality of Our Lady.

ST. JOHN BERCHMANS SANCTUARY SOCIETY

The St. John Berchmans Sanctuary Society has for its object the fostering of a special devotion in the assisting at the altar in all religious ceremonies.

THE B. J. F. DEBATING SOCIETY

Organized in 1849 in honor of the Founder of Holy Cross College, the Most Reverend Benedict Joseph Fenwick, this society, in the near century of its existence, has a tradition of excellence in the art of public speaking. It carries on its meetings in the well-appointed Leonard Debating Hall. It supports an extensive schedule of House, Lecture, Radio and Inter-Collegiate Debates.

Membership in the B. J. F. Debating Society is drawn from the Junior and Senior Classes.

FRESHMAN AND SOPHOMORE INTRA-MURAL DEBATING

Regular inter-class sectional meetings of these two organizations give the Freshmen and Sophomores an opportunity for basic training in the preparation of debate material, clear thinking and accurate, polished expression.

Student interest has been enlivened by the healthy rivalry current among the respective class sections.

THE DRAMATIC SOCIETY

The Holy Cross Dramatic Society has been functioning since the establishment of the College. It sponsors a varied program in the production of Shakespeare, modern drama and original one-act plays.

THE AQUINAS CIRCLE

The Aquinas Circle is an organization of Seniors and Juniors interested in further study and discussion of philosophical problems and their correlation with modern thought in science and literature. The Circle meets twice a month and presents a Symposium annually on the feast of St. Thomas Aquinas.

THE CROSS AND SCROLL CLUB

The Cross and Scroll Club, originally formed as the Hellenic Academy for the promotion of interest in classical studies, has through the years expanded its aims to include topics of Literature, Art and General Culture. Besides its group meetings the Club sponsors public lectures pertinent to Christian Culture and Education.

THE MUSICAL CLUBS

Two separate organizations foster and develop musical talent among the students — the College Glee Club and the College Orchestra and Band. The purpose of the Glee Club is to instill and promote among its members a love and appreciation of the truly beautiful in music through the medium of choral singing. A program of concerts throughout the year is an incentive for enthusiastic interest. Students participating in the activities of the College Orchestra and Band receive valuable experience in orchestral work. For public concerts this organization collaborates with the Glee Club.

THE COLLEGE CHOIR

The College Choir was organized to assist at Chapel Services and to promote devotion by acquainting students with the treasury of Church music.

THE MODERN LANGUAGE ACADEMIES

I. The French Academy, opened to all students especially interested in the French language, was organized to supplement the work of the classroom. It strives to attune the ear to the recognition of the spoken word, to facilitate conversation, increase appreciation of French literature, classical and modern, and help students who, though not taking French, still retain an interest in the language. As means to these aims, the Academy presents essays on literary topics, familiar causeries on daily events, illustrated lectures and travelogues, debates, brief dramatic presentations from the French classics, as well as original compositions of the members.

II. Similar to the French Academy in purpose, function and scope, language academies are also conducted in *German, Italian and Spanish*.

THE IRISH CULTURAL SOCIETY

This society aims to acquaint the students with a knowledge of Irish culture and achievement and the glorious historical background of Ireland.

THE SCIENTIFIC SOCIETY

This society was founded in 1908 for the purpose of giving an opportunity to the students for discussion of subjects in physics by means of bi-weekly meetings and conferences, that could not be treated in the regular course. The topic for this year (1941-1942) will be "Electronics."

THE LABOR PROBLEMS ACADEMY

The Labor Problems Academy, open to students majoring in Economics, was organized in 1935 to encourage the study of Catholic principles applicable to the labor problems in the United States. This academy was organized with a threefold purpose: to stimulate personal research and individual interest in the historical development of, and contemporary relationships among capital, management, labor, and the community in these problems; to obtain and classify scientific and unbiased pamphlets, periodicals, and similar reference materials for use by the Faculty, members of the Debating Societies and Lecture Teams, members of the Academy, and other undergraduates interested in these problems; to engender an appreciation of the pronouncements upon the moral relationships between capital and labor contained in Papal Encyclicals.

THE HISTORY ACADEMY

The History Academy, composed of instructors and students in history, has for its object the increase of interest in the study of history. It holds weekly meetings at which are read and discussed essays on various topics taken from the field of history.

THE MISSION UNIT

The Holy Cross Unit of the Mission Crusade was established in 1921. Relief of the Missions is encouraged by donations of the students. Students contribute to foreign and home missions large sums of money, large quantities of Catholic papers, altar supplies, books and clothing.

THE PURPLE KEY

It is the purpose of this organization to foster devotion, loyalty, and enthusiasm for Alma Mater. The Purple Key sponsors student activities, plans and conducts student manifestations of the spirit of Mount Saint James and always endeavors to promote the interests of the students in the affairs of their college life.

INTRA-MURAL ATHLETICS

Perhaps the most flourishing and popular extra-curricular activity on the Hill is the Intra-Mural Sports program. The great majority of students who are not engaged in varsity competition take some part in intra-mural sports.

Teams are organized from among the Day Students and groups from each corridor of the Residence Halls. Competitive tournaments are played in football, basketball, baseball, etc. The intra-mural sports provide healthful exercises and plenty of fun; cement friendships and develop many positive traits of good character and personality.

HOLY CROSS ATHLETIC ASSOCIATION

The object of this Association is to promote the athletic interests of the College, and to discuss and determine matters of management pertaining to the welfare of collegiate and intercollegiate sports.

HONOR SOCIETIES

ALPHA SIGMA NU



(Holy Cross Chapter)

On Monday evening, April 15, 1940, at a formal dinner in Kimball Hall, the Holy Cross Chapter of Alpha Sigma Nu was inaugurated and the first members initiated. Alpha Sigma Nu is a National Honor Society with chapters in various Jesuit Colleges and Universities throughout the United States. It is a society organized to honor students who have distinguished themselves in scholarship, service and loyalty to their College; to promote the interests of their College; to foster all praiseworthy student activity; to unite those alumni who most fully understand and appreciate the ideals of Jesuit Education and who seek to realize those ideals in themselves and others. It is the function of this society as well to be on the alert for any influences detrimental to the welfare of the College and to take suitable action to curb such influences. Additional members are drawn from the Junior Class and are nominated by the local chapter which also certifies the qualifications of the nominees with respect to scholarship, service and loyalty to the College. Those who are approved by the Dean and the President of the College are elected members and initiated into the organization.

The President of the College is empowered to appoint for membership three additional students for exceptional distinguished service.

Candidates qualify scholastically by ranking in the upper twenty-five per cent of their class.

The following are members of the Holy Cross Chapter:

Neal J. Conan, Jr., '40	W. Arthur Garrity, Jr., '41
Charles J. Kickham, Jr., '40	Ralph C. Murray, '41
Edward C. Maher, '40	William J. Richardson, '41
Thomas C. McKone, '40	Gerald F. Whalen, '41
John H. Monahan, '40	Edward B. Williams, '41
Francis R. Mullin, Jr., '40	James W. Colbert, Jr., '42
Frank M. Buckley, '41	Joseph A. Grau, '42
James P. Burke, '41	John F. Luick, '42
Andrew A. Caffrey, '41	Thomas P. O'Boyle, '42
John J. Devine, '41	Joseph J. Pucko, Jr., '42
Joseph T. Fahy, '41	William H. Shelton, '42
William W. Flanagan, '41	Francis I. Sullivan, Jr., '42

DELTA EPSILON SIGMA



(Alpha Iota Chapter)

On Monday evening, June 9, 1941, at the Senior Class dinner in Kimball Hall, the Holy Cross Chapter of Delta Epsilon Sigma, the national Scholastic Honor Society for students and graduates of Catholic Colleges and Universities, was inaugurated and the first members initiated. This society was first organized in April, 1939, its constitution adopted in March, 1940, and to date has more than thirty-two chapters in Catholic Colleges and Universities. Delta Epsilon Sigma is constituted to give recognition and encouragement to high scholarship among students of Catholic Colleges and Universities. Its purpose features Academic Excellence. Student membership is drawn from ten percent of the Senior Class with scholastic honor rating.

The following were elected members of Alpha Iota Chapter:

James P. Burke, '41	W. Arthur Garrity, Jr., '41
Andrew A. Caffrey, '41	Francis A. Kirby, Jr., '41
Alberto A. Castaner, '41	James F. Little, '41
John J. Devine, '41	Harry J. Mallette, '41
Albert P. Duhamel, Jr., '41	John J. Moriarty, '41
Joseph T. Fahy, '41	Ralph C. Murray, '41
Charles G. FitzGerald, '41	Arthur T. McClory, '41
William W. Flanagan, '41	John L. McDonough, '41

Raymond J. Page, '41

William T. Ratigan, '41

William J. Richardson, '41

Robert E. Scully, '41

Gerald F. Whalen, '41

Edward B. Williams, '41

F. Duncan Wilson, '41

Ralph Zanca, '41

Additional members will be elected before the close of the present academic year.

COLLEGE PUBLICATIONS

THE HOLY CROSS PURPLE

The Holy Cross Purple is a monthly magazine published by the students of the College. Its aim is to cultivate a high literary taste among the students by exercising them in both critical and creative compositions.

THE TOMAHAWK

The Tomahawk, the weekly newspaper of the College, first appeared during the academic year 1924-1925. Its purpose is to secure a firmer bond among the undergraduates, telling the important happenings of the life on the Hill.

THE PURPLE PATCHER

The Purple Patcher, published annually by the Senior Class, is a chronicle of the activities of the Class during its four years' stay on the Hill.

THE HORMONE

The Hormone is a monthly magazine published by the Department of Chemistry. Its aim is twofold; first, an exposition of the work being accomplished in the Department; second, criticism of modern chemical theories.

LE CROISÉ

Le Croisé, a semi-monthly French newspaper, is edited and published by the members of the French Academy. Its chief aim is to offer to the students of the Academy an opportunity to acquire facility in the reading and composition of modern French.

THE ALUMNUS

The Alumnus, published five times yearly by the Holy Cross College Alumni Association and edited by the Executive Alumni Secretary, is twofold in its purpose: first, to secure a firmer bond among the graduates; secondly, to serve as a nexus between the Alumni and the College.

SCHOLARSHIPS

All scholarships are accepted with the understanding that the income from the sum will be the amount applicable to the holder of the scholarship.

It is hoped that, in time, other generous friends of the College may be inspired to found at least partial scholarships and thus enable the Faculty, in answer to numerous appeals from deserving students, to make reductions for board and tuition. Thus the interests of education and charity could be made to go hand in hand and the future success of many a promising young man's career would be assured. \$20,000 will found a scholarship providing tuition, board and lodging with furnished room and attendance. \$8,500 will found a scholarship giving free tuition.

Another method of assisting both Faculty and students is the foundation of medals and other prizes. The gift of \$600 will found a medal in perpetuity and the founder's name will be perpetuated in the annual catalogue. It is hardly possible to conceive a more effectual way of perpetuating the memory of a benefactor than this foundation of college prizes and scholarships. The name of the benefactor will be annually recalled as long as the college survives, and the unborn generations of beneficiaries will bless the memory of the benefactor.

The Governor Ames Scholarship. Income on \$1,000. Established in 1887 by Governor Oliver Ames.

The Rev. Charles E. Burke Scholarship. Income on \$3,000. Established in 1895. Appointment to be made from residents of St. Francis Parish, North Adams, Mass.

The Thomas Callaghan Scholarship. Income on \$2,000. Founded in 1914 by the late Thomas Callaghan of Leicester, Mass., limited to residents of Worcester County, "preference to be given to those preparing for the priesthood."

The Connecticut Valley Alumni Scholarship. Income on \$1,725. Established in 1912 by the Alumni of Connecticut Valley.

The Right Rev. Monsignor Daniel F. Curtin Scholarship. Income on \$10,000. Established in 1921 by the Rt. Rev. Monsignor Daniel F. Curtin, Glens Falls, N. Y., to be appointed by the pastor of St. Mary's Church, Glens Falls, N. Y.

The "In Memory of David Goggin" Scholarship. Income on \$1,000. Founded in 1925 by Mrs. Catherine M. Goggin, in memory of David Goggin. Preference to be given a relative.

The Monsignor Griffin Scholarship. Income on \$1,000. Founded in 1895, limited to residents of St. John's Parish, Worcester, Mass.

The John H. Halloran Scholarship I. Income on \$12,000. Established in 1909 by Mr. John H. Halloran of New York, as a memorial of his brother, the late William J. Halloran, of Worcester, competition open to the country.

The John H. Halloran Scholarship II. Income on \$12,000. Established in 1921 by Mr. John H. Halloran of New York, as a memorial of his brother, the late William J. Halloran, of Worcester. Selection to be made from the students of the public and parochial schools of Northampton, Mass., by means of competitive examinations.

The Rev. Jeremiah J. Healy Scholarship I. Income on \$1,500. Founded in 1912 by the Rev. Jeremiah J. Healy, of Gloucester, Mass., for a candidate for the priesthood worthy of financial aid.

The Rev. Jeremiah J. Healy Scholarship II. Income on \$1,500. Same as the Rev. Jeremiah J. Healy Scholarship I.

The Richard Healy Scholarship. Income on \$8,000. Established in 1908 by Mr. Richard Healy of Worcester, open to competition for residents of Worcester County regardless of creed.

The Mr. and Mrs. Richard Healy Scholarship. Income on \$12,000. Established in 1916 by Mr. and Mrs. Richard Healy of Worcester, for benefit of a direct relative of donors.

The Rev. Frederick W. Heaney, S.J., Scholarship. Income on \$2,500. Established in 1920 by Miss Lillian Heaney, in memory of her deceased brother, the Rev. Frederick W. Heaney, S.J.

The "In Memoriam" Scholarship. Income on \$8,000. Established in 1915 by an alumnus of the College for a deserving student.

The Rev. Michael H. Kittredge Scholarship. Income on \$5,000. Founded in 1917 by Rev. Michael H. Kittredge, '75.

The John J. Leonard Scholarship of the M.C.O.F. Income on \$6,000. Founded in 1926 and restricted to members, or sons of members, of the M.C.O.F., selection to be made by competitive examinations.

The Henry Vincent McCabe Scholarship. Income on \$5,000. Established in 1916 by the late Mary McCabe of Providence, R. I., for a deserving student.

The Rev. David F. McGrath Scholarship I. Income on \$6,000. Established in 1907 by the Rev. David F. McGrath, '70, beneficiary to be selected by competitive examinations. Restricted to graduates of St. Mary's Parish School, Milford, Mass., if there be more than one eligible candidate. If but one such, graduates of Milford Public High School may be admitted to competition; if but one candidate from both schools, anyone otherwise eligible in the State to be admitted to competition.

The Rev. David F. McGrath Scholarship II. Income on \$6,000. Established in 1909 by the Rev. David F. McGrath, '70; conditions same as the Rev. David F. McGrath Scholarship I.

The Rev. David F. McGrath Scholarship III. Income on \$8,000. Established in 1920 by the Rev. David F. McGrath, '70; conditions same as the Rev. David F. McGrath Scholarship I.

The Patrick J. Murphy Scholarship. Income on \$1,500. Established in 1914 by Mrs. Ellen M. Murphy, as a memorial to her husband, the late Patrick J. Murphy, Worcester, Mass.

The O'Driscoll Scholarship. Income on \$3,000. Established in 1874, for two students, (limited to residents of the City of Worcester,) who are candidates for the priesthood and selected by the Bishop of Springfield or his delegate.

The Rev. Daniel H. O'Neill Scholarship I. Income on \$1,000. Established in 1895, limited to residents of St. Peter's Parish, Worcester, Mass.

The Rev. Daniel H. O'Neill Scholarship II. Income on \$1,500. Established in 1908, limited to the residents of the City of Worcester.

The Rev. Dr. Patrick B. Phelan Scholarship I. Income on \$8,000. Established in 1917 by Rev. Dr. Patrick B. Phelan, '69; open to competition for graduates of the Sacred Heart School, Holyoke, Mass.

The Rev. Dr. Patrick B. Phelan Scholarship II. Income on \$8,000. Same as Rev. Dr. Patrick B. Phelan Scholarship I.

The Rev. John J. Power Scholarship. Income on \$1,500. Established in 1907 by the late Rev. John J. Power, D.D., limited to residents of St. Paul's Parish, Worcester, Mass.

The "Quid Retribuam" Scholarship. Income on \$8,000. Established in 1907 by a friend of Education in gratitude for Divine favors; if not filled by founder, competitive examinations will be held.

The John Reid Scholarship. Income on \$1,500. Established in 1894, limited to residents of Worcester.

The Reilly Memorial Scholarship. Income on \$1,000. Founded in 1922 by Joseph Reilly.

The Rev. William H. Rogers Scholarship. Income on \$10,000. Established in 1918 by Rev. William H. Rogers, '68.

The Hon. John E. Russell Scholarship. Income on \$1,500. Established in 1907 by a Friend of the College.

The Patrick W. Rafferty Scholarship. Income on \$2,000. Established in 1920 and open to competition among deserving students of the City of Worcester.

The Rev. Robert Walsh Scholarship. Income on \$1,000. Established in 1895, limited to residents of the Immaculate Conception Parish, Worcester, Mass.

The Maurice Connor Memorial Scholarship. Income on \$16,000. Established in 1929 by Mr. John T. Connor in memory of his brother, Maurice. The intention of the donor is to provide, for one boy, board, room, tuition and fee charges, as far as the income will provide them. The single beneficiary is to be chosen by the Pastor of St. Mary's Church, Westfield, Mass.

The Warren Joseph Hurley Scholarship. Income on \$5,000. Established in 1929 by Mrs. Jeremiah J. Hurley in memory of Warren Joseph Hurley, ex-'29, for the benefit of one or more worthy students aspiring to the priesthood. Selection to be made by the President of the College.

The Eugene A. Bickford Scholarship. Income on \$5,000. Founded in October, 1932, from the estate of Mrs. Mary A. Magenis of Brookline, Mass., in memory of her brother, the late Eugene A. Bickford, '96. The annual income on the \$5,000 to provide for the education of a deserving student under such conditions and regulations as imposed by the Faculty of the College.

The Bishop O'Leary Scholarship. Awarded to a student of Cathedral High School, Springfield, Mass.

The Jamaica Scholarship. Awarded by the President of Holy Cross College through assignment of the Rector of St. George's College, Jamaica, B. W. I.

The Honorable James Bernard Carroll Scholarship. Income on 500 shares of Western Massachusetts Companies. Founded in 1939 by Mrs. James Bernard Carroll as a memorial of her husband, the late Justice James Bernard Carroll of the class of 1878. Restricted to graduates of St. Michael's Cathedral High School, Springfield, Massachusetts. Selection to be made by the

Very Reverend Rector of Holy Cross College and the Reverend Rector of St. Michael's Cathedral, Springfield, on candidate's character, scholarship and extra-curricular achievements.

The Elizabeth Spang Scholarship. Income on \$5,000. Founded in 1936 by the will of Elizabeth Spang of West Haven, Connecticut. This income to be used toward the education of a "student of Holy Cross College whom the governing body of said College may deem to be in need of financial assistance for his college work and worthy of said scholarship".

The Monsignor John W. McMahon Scholarship. Income on \$5,000. Founded in 1938 under provision of the will of Rt. Rev. Msgr. John W. McMahon, '67; to give scholarship aid to a Holy Cross College student to be designated by the Reverend Pastor of St. Mary's parish, Charleston, Boston, Massachusetts, preference being given to students coming from said St. Mary's parish.

The Massachusetts State Council Knights of Columbus Scholarship Fund. Income on \$5,000. Founded in 1937 by the Massachusetts State Council Knights of Columbus; open to members and sons of members of the Knights of Columbus residing and having their membership in the Order in Massachusetts. Award to be made by competitive scholastic examinations under the administration of the College of the Holy Cross.

Jesuit Educational Association

COLLEGE AND UNIVERSITIES

Alabama	Spring Hill College, Spring Hill
California	Loyola University of Los Angeles Santa Clara University, Santa Clara University of San Francisco
Colorado	Regis College, Denver
District of Columbia	Georgetown University, Washington
Illinois	Loyola University, Chicago
Louisiana	Loyola University, New Orleans
Maryland	Loyola College, Baltimore
Massachusetts	Boston College, Chestnut Hill College of the Holy Cross, Worcester
Michigan	University of Detroit, Detroit
Missouri	Rockhurst College, Kansas City St. Louis University, St. Louis
Nebraska	The Creighton University, Omaha
New Jersey	St. Peter's College, Jersey City
New York	Canisius College, Buffalo Fordham University, New York City
Ohio	John Carroll University, Cleveland Xavier University, Cincinnati
Pennsylvania	St. Joseph's College, Philadelphia
Washington	Gonzaga University, Spokane Seattle College, Seattle
Wisconsin	Marquette University, Milwaukee

COLLEGE DIRECTORY

November, 1941

Abdella, Brian J.	Freshman	Business Administration	Gloversville, N. Y.
Adams, Frederick C.	Senior	Arts	Evanston, Ill.
Ahearn, F. William	Senior	Business Administration	Quincy, Mass.
Alberghini, Thomas J.	Junior	Education	Peabody, Mass.
Allen, John H., Jr.	Sophomore	Arts	Marlboro, Mass.
Allietta, George J.	Sophomore	Social Science	Sagamore, Mass.
Alvarez, Jose A.	Freshman	Business Administration	Santurce, P. R.
Anderson, Daniel J.	Sophomore	Business Administration	Forest Hills, N. Y.
Anderson, John P.	Senior	Business Administration	Chicago, Ill.
Andrae, Paul H., II	Senior	Business Administration	Cohoes, N. Y.
Archambault, Gerald W.	Freshman	Arts	West Warwick, R. I.
Archibald, John J.	Sophomore	Business Administration	Valhalla, N. Y.
Army, Vincent T.	Senior	Business Administration	Worcester, Mass.
Ash, Herbert E., Jr.	Junior	Social Science	Worcester, Mass.
Ashe, John P.	Freshman	Social Science	Worcester, Mass.
Asman, Robert J., Jr.	Freshman	Arts	New Haven, Conn.
Assad, Thomas J.	Sophomore	Arts	Worcester, Mass.
Athy, Andrew A.	Sophomore	Education	Worcester, Mass.
Athy, James A.	Sophomore	Business Administration	Worcester, Mass.
Aubuchon, Andre R.	Freshman	Arts	Fitchburg, Mass.
Bagley, Edward R.	Sophomore	Arts	Hartford, Conn.
Ball, Raymond F.	Freshman	Education	Clinton, Mass.
Banach, Henry S.	Freshman	Arts	Worcester, Mass.
Banker, Robert J.	Freshman	Biology	Akron, O.
Barkey, Arthur F.	Freshman	Arts	Detroit, Mich.
Barone, Stephen S.	Junior	Arts	New York, N. Y.
Barrett, Robert E., Jr.	Sophomore	Physics	Framingham, Mass.
Barron, James E.	Freshman	Social Science	No. Little Rock, Ark.
Barron, William F.	Sophomore	Arts	Uxbridge, Mass.
Barry, Francis E.	Sophomore	Arts	Lynn, Mass.
Barry, John F.	Sophomore	Business Administration	Elizabeth, N. J.
Barry, Joseph J., Jr.	Sophomore	Arts	Pittsfield, Mass.
Barry, Robert J.	Senior	Business Administration	Brockton, Mass.
Bartlett, Lee F., Jr.	Senior	Arts	Worcester, Mass.
Barton, Robert A.	Freshman	Education	Brooklyn, N. Y.
Barzilauskas, Francis D.	Sophomore	Business Administration	Waterbury, Conn.

STUDENT DIRECTORY

Bathey, Louis L.	Junior	Biology	Augusta, Ga.
Battista, Leo J.	Freshman	Arts	Clinton, Mass.
Baxter, Charles C., Jr.	Freshman	Arts	Cynwyd, Pa.
Beaudoin, Philip F.	Sophomore	Arts	Quincy, Mass.
Beaudry, Ernest G., Jr.	Freshman	Business Administration	Atlanta, Ga.
Beecher, Mathew J.	Junior	Social Science	Yonkers, N. Y.
Belisle, Joseph A.	Sophomore	Chemistry	Worcester, Mass.
Bennett, Austin P.	Freshman	Arts	Brooklyn, N. Y.
Benton, James E.	Freshman	Business Administration	Saratoga Springs, N. Y.
Bernadotte, Louis S.	Sophomore	Arts	Detroit, Mich.
Bezemes, John E.	Junior	Education	Peabody, Mass.
Bianchi, John F.	Sophomore	Business Administration	Canaan, Conn.
Biel, Robert L.	Sophomore	Arts	Rochester, N. Y.
Biladeau, Richard J.	Freshman	Business Administration	Pittsfield, Mass.
Bingham, Charles C.	Freshman	Arts	Kew Gardens, N. Y.
Bisso, Leo A.	Sophomore	Social Science	Wakefield, Mass.
Blaber, Oliver J.	Freshman	Arts	Brooklyn, N. Y.
Blakely, James A.	Junior	Arts	Rockville Centre, N. Y.
Blount, James E.	Freshman	Arts	Taunton, Mass.
Blum, Richard D.	Freshman	Arts	Rutherford, N. J.
Boehling, J. Joseph, Jr.	Senior	Arts	Richmond, Va.
Boettjer, Robert L.	Sophomore	Biology	Babylon, N. Y.
Bogan, Frederick L., Jr.	Senior	History	Boston, Mass.
Boland, William J.	Senior	Arts	Malden, Mass.
Bolduc, Jean L.	Sophomore	Arts	Waterville, Me.
Bolton, James J.	Sophomore	Biology	New Bedford, Mass.
Boratyn, Joseph A.	Senior	Education	Whitinsville, Mass.
Bottone, Aurelio-R.	Freshman	Biology	Brooklyn, N. Y.
Botts, Robert M.	Freshman	Business Administration	Honolulu, T. H.
Boudreau, Raymond J.	Freshman	Business Administration	Northboro, Mass.
Bourque, John R.	Freshman	Arts	Holyoke, Mass.
Boursy, John J.	Freshman	Chemistry	Worcester, Mass.
Boyle, Howard H., Jr.	Junior	Business Administration	Fond du Lac, Wis.
Boyle, John T.	Sophomore	Biology	Newark, N. J.
Brackett, Richard M.	Sophomore	Arts	Concord, N. H.
Bradbury, John J., Jr.	Junior	Business Administration	Providence, R. I.
Bradley, John F.	Freshman	Arts	Brooklyn, N. Y.
Bransfield, Edward J.	Senior	Arts	Natick, Mass.
Braunstein, Edward A.	Sophomore	Biology	Long Island City, N. Y.
Braunstein, Paul W.	Freshman	Biology	Long Island City, N. Y.
Brawley, Edward M., Jr.	Freshman	Arts	Peabody, Mass.
Brennan, Herbert V.	Junior	Social Science	E. Greenwich, R. I.
Brennan, James A.	Freshman	Social Science	Valley Stream, N. Y.
Brennan, John F.	Sophomore	Business Administration	Hartford, Conn.

Brennan, John J.	Freshman	Arts	Neponsit, N. Y.
Brennan, Joseph D.	Junior	Arts	Akron, O.
Brennan, Leo F.	Senior	Education	Marlboro, Mass.
Brennan, Stephen W., Jr.	Freshman	Arts	Utica, N. Y.
Brennan, William R.	Senior	Arts	Buffalo, N. Y.
Breslin, John D.	Freshman	Arts	Melrose, Mass.
Bresnahan, Leo J.	Junior	Arts	Worcester, Mass.
Brodeur, Edouard A., Jr.	Freshman	Chemistry	Worcester, Mass.
Bromley, John T.	Sophomore	Biology	Hudson Falls, N. Y.
Brosnahan, Daniel J.	Senior	Arts	Keene, N. H.
Brosnahan, John J.	Junior	Education	Keene, N. H.
Brown, Donald P.	Freshman	Biology	Worcester, Mass.
Browne, Edward R.	Sophomore	Arts	Newton, Mass.
Browne, Matthew J., Jr.	Sophomore	Business Administration	Gloversville, N. Y.
Bruno, Nicholas J.	Freshman	Biology	Woodside, L. I., N. Y.
Bruno, Richard A.	Sophomore	Chemistry	East Douglas, Mass.
Bruns, James E.	Freshman	Arts	New York, N. Y.
Bryan, Charles V.	Sophomore	Arts	Rochester, N. Y.
Bryan, James E.	Freshman	Arts	Rochester, N. Y.
Bucher, John V., Jr.	Sophomore	Social Science	Albany, N. Y.
Buckley, Carl E., Jr.	Freshman	Arts	Great Neck, N. Y.
Buckley, John K.	Senior	Arts	Thompson, Conn.
Buckley, Richard J.	Senior	Business Administration	Meriden, Conn.
Bulger, Kyrn W.	Sophomore	Business Administration	Milton, Mass.
Buonocore, Ciro G.	Freshman	Business Administration	North Haven, Conn.
Burgoyne, John E.	Sophomore	Arts	Clinton, Mass.
Burke, John J.	Sophomore	Arts	Malden, Mass.
Burke, John T.	Freshman	Business Administration	Rockland, Mass.
Burke, Joseph G.	Senior	Arts	Boston, Mass.
Burke, Richard J.	Sophomore	Arts	Hollis, N. Y.
Burke, Thomas J.	Sophomore	Biology	Elmira, N. Y.
Burke, William A., Jr.	Sophomore	Biology	Brooklyn, N. Y.
Burke, William J.	Junior	Arts	New Rochelle, N. Y.
Burnes, Francis X., Jr.	Junior	Business Administration	Poughkeepsie, N. Y.
Burns, Daniel F.	Freshman	Chemistry	Orange, N. J.
Burns, Eugene P.	Freshman	Arts	Jamaica Plain, Mass.
Burns, John F.	Sophomore	Arts	Jamaica Plain, Mass.
Burns, Robert F., Jr.	Junior	Biology	Fitchburg, Mass.
Burns, Thomas F.	Freshman	Biology	Fall River, Mass.
Butler, Edmund J., Jr.	Sophomore	Business Administration	Cambridge, Mass.
Butters, David J.	Sophomore	Arts	Norwood, Mass.
Byrne, James W.	Junior	Arts	Providence, R. I.
Byrnes, Donald H.	Junior	Arts	Plattsburg, N. Y.
Byrnes, W. William	Freshman	Arts	Indian Orchard, Mass.

STUDENT DIRECTORY

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Caffrey, Edward F.	Freshman	History	Brockton, Mass.
Cahill, John M.	Freshman	Arts	Brookline, Mass.
Cahill, Philip H.	Sophomore	Arts	Brookline, Mass.
Calabrese, Frank P.	Junior	Education	Lawrence, Mass.
Callahan, Eugene F.	Junior	Business Administration	Lowell, Mass.
Callahan, Robert E.	Sophomore	Biology	Schuylerville, N. Y.
Caldon, John J.	Freshman	History	Agawam, Mass.
Calvelli, George J., Jr.	Junior	Biology	New York, N. Y.
Camire, Arthur W.	Freshman	Biology	Barre, Vt.
Campanale, John J.	Junior	Education	Worcester, Mass.
Canarie, James D.	Junior	Arts	Haverhill, Mass.
Canavan, Richard G.	Senior	Business Administration	Cranston, R. I.
Cantwell, John W.	Sophomore	Business Administration	N. Providence, R. I.
Caprise, Michael A.	Senior	Business Administration	Mineola, N. Y.
Carney, Roger J.	Senior	Business Administration	Hartford, Conn.
Carr, Charles H.	Sophomore	Social Science	Worcester, Mass.
Carr, Edwin F., Jr.	Sophomore	Arts	Worcester, Mass.
Carreira, Jose R.	Junior	Education	Caguas, P. R.
Carrier, Francis A.	Sophomore	Chemistry	Pawtucket, R. I.
Carroll, Charles S., Jr.	Freshman	History	Belmont, Mass.
Carroll, Francis H.	Freshman	Social Science	Dover, N. H.
Carroll, George G.	Freshman	Business Administration	Rochester, N. Y.
Carroll, J. Thomas	Freshman	Arts	Webster Groves, Mo.
Carroll, Joseph D.	Senior	Arts	W. Roxbury, Mass.
Carten, Andrew S., Jr.	Junior	Arts	Dorchester, Mass.
Casey, John G.	Sophomore	Arts	Brighton, Mass.
Casey, John P.	Senior	Social Science	Uxbridge, Mass.
Casey, Thomas F., Jr.	Sophomore	Arts	W. Roxbury, Mass.
Casey, Thomas P.	Junior	Arts	Chicago, Ill.
Cassidy, Gerald K.	Freshman	Business Administration	Chevy Chase, Md.
Cassidy, James T., Jr.	Sophomore	Arts	Dorchester, Mass.
Cassidy, Patrick J.	Freshman	Social Science	Watertown, Conn.
Casson, John D.	Senior	Business Administration	Flushing, N. Y.
Cataldo, Felix G.	Freshman	Biology	Franklin, Mass.
Cataldo, Lewis J., Jr.	Junior	Biology	Franklin, Mass.
Cawley, Thomas J., Jr.	Sophomore	Arts	Worcester, Mass.
Celentano, Louis J.	Sophomore	Business Administration	New York, N. Y.
Celentano, Vincent D.	Freshman	Chemistry	New Haven, Conn.
Chagnon, Charles W.	Junior	Chemistry	Woonsocket, R. I.
Chang, Leonard I.	Junior	Physics	Kingston, Jam., B.W.I.
Cirincione, Dominic R.	Freshman	Arts	Schenectady, N. Y.
Clancy, John G.	Sophomore	Arts	Portland, Me.
Clancy, John J.	Freshman	Business Administration	Ft. Fairfield, Me.
Cleary, John M.	Sophomore	Education	Newport, Vt.

Clifford, William D., Jr.	Senior	Business Administration	Syracuse, N. Y.
Cogan, John J., Jr.	Senior	Arts	Brooklyn, N. Y.
Cogswell, Philip J.	Freshman	Arts	Worcester, Mass.
Cohan, John J.	Freshman	Biology	Worcester, Mass.
Colbert, James W.	Senior	Arts	Larchmont, N. Y.
Colby, Raymond W.	Freshman	Arts	Worcester, Mass.
Cole, William R.	Sophomore	Business Administration	Kingston, N. Y.
Colecchi, Mario H.	Sophomore	Arts	Worcester, Mass.
Coleman, George V., Jr.	Sophomore	Biology	Providence, R. I.
Collier, John M.	Freshman	Arts	Grenloch, N. J.
Collins, John B.	Sophomore	Social Science	Glens Falls, N. Y.
Collins, Paul A.	Senior	Arts	Yonkers, N. Y.
Collins, William B., Jr.	Sophomore	Business Administration	Worcester, Mass.
Colton, John B., Jr.	Sophomore	Biology	Worcester, Mass.
Comer, John E.	Freshman	Education	Worcester, Mass.
Comiskey, Edward J., Jr.	Sophomore	Arts	Dover, Mass.
Conan, Edward M. J.	Sophomore	Arts	Syracuse, N. Y.
Condon, Joseph C.	Sophomore	Business Administration	Scranton, Pa.
Conlin, Walter M.	Sophomore	Business Administration	Worcester, Mass.
Connellan, William J.	Junior	Business Administration	New Haven, Conn.
Connelly, Thomas D.	Senior	Arts	Port Jervis, N. Y.
Connelly, William F.	Senior	Business Administration	Bridgeport, Conn.
Conner, Charles W., Jr.	Sophomore	Arts	Harrison, N. Y.
Connors, John E.	Junior	Social Science	Brookline, Mass.
Connors, William P.	Senior	Social Science	Brookline, Mass.
Connolly, Joseph A.	Sophomore	Biology	N. Plainfield, N. J.
Connolly, Michael W.	Freshman	Business Administration	Bayonne, N. J.
Connolly, William M.	Freshman	Arts	Jamaica Plain, Mass.
Connor, Charles H.	Freshman	Physics	Chicago, Ill.
Connors, J. Robert	Freshman	Business Administration	Morris Plains, N. J.
Conroy, Martin F., Jr.	Junior	Arts	Long Island City, N. Y.
Conroy, Stephen J.	Junior	Education	Central Falls, R. I.
Conway, William J.	Junior	Social Science	Colorado Springs, Colo.
Cooney, George V.	Sophomore	Arts	Hartford, Conn.
Cooney, Raymond E.	Sophomore	Arts	College Point, N. Y.
Cooney, Robert T.	Freshman	Arts	Pittsfield, Mass.
Coppinger, Thomas P., Jr.	Freshman	Arts	W. Medford, Mass.
Corsiglia, Robert F.	Senior	Business Administration	Gardner, Mass.
Corsino, Francis J.	Freshman	Business Administration	Hartford, Conn.
Costigan, William K.	Junior	Arts	St. Louis, Mo.
Cote, Jerrold O.	Senior	Business Administration	Worcester, Mass.
Cote, Raymond A.	Sophomore	Social Science	Glendale, R. I.
Coughlin, John B.	Freshman	Chemistry	Middletown, Conn.
Cournoyer, Gerard B.	Sophomore	Biology	Leominster, Mass.

Courter, Edward A., Jr.	Junior	Business Administration	Hartford, Conn.
Cousins, William M., Jr.	Freshman	Business Administration	Rochester, N. Y.
Coyle, James L.	Junior	Arts	Belmont, Mass.
Coyne, George A., Jr.	Junior	Business Administration	Hudson, Mass.
Crandall, William W.	Freshman	Arts	Waterford, N. Y.
Creamer, John A.	Senior	Business Administration	Buffalo, N. Y.
Creedon, Richard J.	Junior	Arts	Worcester, Mass.
Creighton, George H.	Freshman	History	Maynard, Mass.
Cronin, James E.	Junior	Arts	Worcester, Mass.
Cronin, Paul J.	Sophomore	Arts	Wellesley Hills, Mass.
Crowell, John F.	Senior	Business Administration	Newport, R. I.
Crowley, Thomas M.	Freshman	Education	Fairview, N. J.
Cull, William J.	Junior	Arts	Cleveland, O.
Cullen, William T., Jr.	Sophomore	Arts	Scranton, Pa.
Cullum, Francis J.	Junior	Business Administration	No. Bergen, N. J.
Culotta, Anthony P.	Senior	Biology	Waterbury, Conn.
Cummings, John J., Jr.	Sophomore	Arts	Providence, R. I.
Cummings, John M., Jr.	Sophomore	Arts	Leominster, Mass.
Cummings, Thomas J.	Junior	Arts	Arlington, Mass.
Cuneo, Paul K.	Senior	Arts	Chicago, Ill.
Cuneo, Ryan A.	Junior	Arts	New York, N. Y.
Cunneen, Joseph E. P.	Senior	Arts	New York, N. Y.
Curran, Robert T.	Sophomore	Business Administration	Worcester, Mass.
Curry, Raymond G.	Junior	Business Administration	Bridgeport, Conn.
Curtin, Edward J.	Freshman	Business Administration	South Windsor, Conn.
Curtin, John W.	Senior	Arts	Foxboro, Mass.
Cusmano, Joseph V.	Freshman	Biology	Brooklyn, N. Y.
Daley, William P.	Sophomore	Arts	Pelham, N. Y.
Daly, Edmund J., III	Senior	Arts	Waterbury, Conn.
Daly, Edward F.	Senior	Arts	Worcester, Mass.
Daly, Joseph T., Jr.	Junior	Arts	Chicago, Ill.
Danowitz, Edward F.	Junior	Business Administration	Red Bank, N. J.
Danowitz, Stanley H.	Senior	Business Administration	Red Bank, N. J.
Davin, Edward M.	Freshman	Arts	Worcester, Mass.
Davis, Robert J.	Freshman	Social Science	Cheviot, O.
Davis, Robert L.	Freshman	Business Administration	Worcester, Mass.
Davis, Russell G.	Sophomore	Arts	Hopkinton, Mass.
Dawson, Charles E.	Freshman	Arts	Portland, Me.
DeCourcy, Joseph L., Jr.	Sophomore	Arts	Cincinnati, O.
Dee, Robert M.	Senior	Chemistry	Worcester, Mass.
Deedy, John G., Jr.	Sophomore	Arts	Worcester, Mass.
Deegan, Joseph F., Jr.	Freshman	Arts	Perth Amboy, N. J.
Degnan, Edward J.	Freshman	Biology	Hamden, Conn.

Deignan, Joseph P.	Senior	Arts	Worcester, Mass.
Delaney, Francis P.	Sophomore	Social Science	New Bedford, Mass.
Delaney, James D.	Sophomore	Social Science	Worcester, Mass.
Delaney, John F.	Sophomore	Arts	Waterbury, Conn.
Delaney, Thomas B.	Freshman	Arts	Worcester, Mass.
Delfino, Raymond A.	Freshman	Biology	Jersey City, N. J.
Desaulnier, Edward J., Jr.	Senior	Arts	Chelmsford, Mass.
DesRochers, Gerard C.	Sophomore	Arts	Marlboro, Mass.
Desso, Gerald L.	Sophomore	Business Administration	Albany, N. Y.
Devine, Edward J.	Senior	Business Administration	Belmont, Mass.
Devine, James V.	Junior	Business Administration	Malden, Mass.
Diamond, William H.	Junior	Arts	Lee, Mass.
Diaz, Jose A.	Freshman	Biology	Utuaado, P. R.
Dickie, Henry T.	Freshman	Arts	Atlanta, Ga.
DiGangi, John S.	Freshman	Education	Brooklyn, N. Y.
DiGeronimo, Ernest M.	Sophomore	Chemistry	Fitchburg, Mass.
Dignan, Richard H.	Senior	Arts	Fall River, Mass.
Digris, Bernard J.	Senior	Chemistry	Ansonia, Conn.
Dillon, John P.	Sophomore	Business Administration	Worcester, Mass.
DiLorenzo, Bernard	Freshman	Arts	Waterbury, Conn.
Dion, Henry W.	Sophomore	Chemistry	Worcester, Mass.
DiPretoro, John E., Jr.	Freshman	Chemistry	Providence, R. I.
Dobbyn, Richard J., Jr.	Junior	Arts	Brighton, Mass.
Doherty, James E.	Freshman	History	Hamden, Conn.
Dolan, John P., Jr.	Freshman	Business Administration	Walpole, Mass.
Dolan, John W.	Sophomore	Social Science	Worcester, Mass.
Dolan, Richard E.	Junior	Business Administration	Worcester, Mass.
Donnelly, Henry C.	Freshman	Arts	Worcester, Mass.
Donnelly, John K.	Sophomore	Business Administration	Bridgeport, Conn.
Donoghue, Michael F.	Senior	Business Administration	Miami, Fla.
Donoghue, Robert	Senior	Arts	Worcester, Mass.
Donohue, David A.	Freshman	Arts	Worcester, Mass.
Donohue, John J.	Sophomore	Arts	Worcester, Mass.
Donohue, Raymond J.	Sophomore	Business Administration	Worcester, Mass.
Donovan, Daniel L., Jr.	Freshman	Arts	Chicago, Ill.
Donovan, James E.	Freshman	Social Science	Belle Harbor, N. Y.
Dooley, George T., Jr.	Junior	Arts	Cambridge, Mass.
Dooley, James J.	Junior	Arts	Englewood, N. J.
Doran, Paul J.	Junior	Arts	Watervliet, N. Y.
Dorsey, Thomas E., Jr.	Senior	Arts	Worcester, Mass.
Dowd, James J., Jr.	Freshman	Arts	Holyoke, Mass.
Downey, George C.	Freshman	Business Administration	Worcester, Mass.
Downey, Melvin C.	Sophomore	Education	Brooklyn, N. Y.
Downing, Philip J.	Junior	Arts	Hyde Park, Mass.

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Doyle, Cornelius F.	Senior	Arts	Worcester, Mass.
Doyle, Fred T.	Freshman	Arts	West Roxbury, Mass.
Doyle, Joseph G.	Senior	Arts	Detroit, Mich.
Driscoll, James C., Jr.	Junior	Arts	Georgetown, Conn.
Driscoll, John P.	Freshman	Arts	Fall River, Mass.
Driscoll, John R.	Freshman	Arts	Georgetown, Conn.
Driscoll, Robert A.	Sophomore	Arts	Milton, Mass.
Driscoll, Thomas H., Jr.	Sophomore	Arts	Providence, R. I.
Driscoll, Walter R.	Sophomore	Arts	Woodstown, N. J.
Drohan, Joseph W.	Senior	Arts	Worcester, Mass.
Druckenbrod, George A.	Sophomore	Business Administration	Scranton, Pa.
Dubord, Richard J.	Junior	Business Administration	Waterville, Me.
Dudenhoefer, Joseph J.	Freshman	Arts	Shorewood, Wis.
Duffy, Edmund J.	Senior	Arts	Troy, N. Y.
Duffy, Haydon R.	Freshman	Biology	Milwaukee, Wis.
Duffy, Joseph L., Jr.	Freshman	Physics	Arlington, Conn.
Duffy, Thomas F.	Sophomore	History	Putnam, Conn.
Duhaime, Ernest F.	Sophomore	Business Administration	Forestville, Conn.
Duncan, Robert J.	Junior	Biology	La Salle, Ill.
Dunn, Edmund J.	Sophomore	Arts	Holyoke, Mass.
Dunn, James P.	Senior	Arts	Worcester, Mass.
Dunstan, Thomas S., II	Freshman	Business Administration	Bayonne, N. J.
Durkin, Peter J., Jr.	Senior	Business Administration	Danbury, Conn.
Dwan, William H., Jr.	Senior	Arts	Torrington, Conn.
Dwyer, Robert E., Jr.	Freshman	Business Administration	Upper Montclair, N. J.
Earls, Kevin M.	Junior	Arts	Worcester, Mass.
Egan, Charles M.	Senior	Arts	Jersey City, N. J.
Egan, James W.	Sophomore	Arts	Jersey City, N. J.
Egan, Walter J.	Freshman	Arts	Arlington, Mass.
Elliott, Robert H.	Junior	Biology	Manchester, N. H.
Elmiger, George A., Jr.	Freshman	Chemistry	Elizabeth, N. J.
Emery, Clarence E., Jr.	Junior	Arts	Bronxville, N. Y.
English, Clayton E.	Senior	Biology	Willimantic, Conn.
Ermida, Joaquin	Freshman	Business Administration	Waterbury, Conn.
Esp, William F., Jr.	Sophomore	Arts	Worcester, Mass.
Evans, James D., Jr.	Sophomore	Arts	Worcester, Mass.
Fairclough, James H., III	Junior	Business Administration	White Plains, N. Y.
Fallon, John M.	Freshman	History	Brookline, Mass.
Fallon, Richard N.	Junior	Biology	Augusta, Me.
Fay, Edward J., Jr.	Freshman	Arts	Baltimore, Md.
Fee, James J.	Sophomore	Arts	Brooklyn, N. Y.
Fenlon, Paul E.	Senior	Business Administration	Haverhill, Mass.

Fennelly, Vincent M.	Senior	Arts	Brooklyn, N. Y.
Ferguson, Edward M.	Freshman	Chemistry	Stewart Manor, N. Y.
Ferrick, Francis G.	Freshman	Chemistry	Jersey City, N. J.
Ferry, Thomas L., Jr.	Junior	Arts	Meriden, Conn.
Fessler, Charles E., Jr.	Sophomore	Physics	Pittsburgh, Pa.
Fetting, John H., Jr.	Freshman	Business Administration	Baltimore, Md.
Figueroa, John J.	Senior	Arts	Kingston, Jam., B.W.I.
Finn, Leo P.	Freshman	Arts	Waterbury, Conn.
Fiore, John C.	Junior	Business Administration	Framingham, Mass.
Fischer, Carl A.	Junior	Arts	Lynn, Mass.
Fischer, Carl G.	Sophomore	Arts	Brooklyn, N. Y.
Fisher, Kenneth D.	Junior	History	Hull, Mass.
Fisher, Robert E.	Sophomore	Biology	Watervliet, N. Y.
Fitzgerald, James E.	Sophomore	Arts	Briarcliff Manor, N. Y.
Fitzgerald, John E.	Sophomore	Arts	Springfield, Mass.
Fitzgerald, John F.	Senior	Arts	Brattleboro, Vt.
FitzGerald, John J.	Senior	History	Springfield, Mass.
Fitzgerald, Walter W.	Freshman	Biology	S. Hadley Falls, Mass.
Fitzgerald, William B.	Freshman	Business Administration	Worcester, Mass.
FitzGerald, William T.	Junior	History	Ansonia, Conn.
Flaherty, George E.	Freshman	Education	Saugus, Mass.
Flaherty, John F.	Sophomore	Chemistry	Noroton, Conn.
Flanigan, John J.	Sophomore	Arts	Milford, Mass.
Flemma, Edward R.	Freshman	Biology	Utica, N. Y.
Flint, Leon E.	Freshman	Education	Lynn, Mass.
Flis, Alexander A.	Senior	Business Administration	Baldwinsville, Mass.
Flynn, Connor T.	Senior	Arts	Des Moines, Ia.
Flynn, Peter L., Jr.	Senior	Business Administration	Belmont, Mass.
Flynn, Raymond A.	Senior	Business Administration	New Haven, Conn.
Flynn, Robert E.	Senior	Biology	Albia, Ia.
Flynn, Robert J. J.	Sophomore	Arts	Belle Harbor, N. Y.
Foley, Donald R.	Junior	Arts	Jamaica Plain, Mass.
Foley, Francis M.	Junior	Arts	Holyoke, Mass.
Foley, George B.	Senior	Business Administration	Whitinsville, Mass.
Foley, John K.	Junior	Arts	Whitinsville, Mass.
Foley, Joseph E.	Junior	Arts	New Haven, Conn.
Foley, William J.	Freshman	Arts	So. Boston, Mass.
Foote, H. Edward Jr.	Sophomore	Social Science	Wellesley, Mass.
Foran, Thomas A.	Freshman	Physics	Chicago, Ill.
Ford, Ernest B.	Senior	Education	Watertown, Mass.
Ford, John L.	Senior	Business Administration	Albany, N. Y.
Foster, Kenneth J.	Sophomore	History	Larchmont, N. Y.
Fox, Paul J.	Freshman	Social Science	Hazleton, Pa.
Frank, James K.	Freshman	Business Administration	Pittsburgh, Pa.

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Frayer, Frank C.	Sophomore	Social Science	Jamaica, N. Y.
Fredette, Raymond O.	Freshman	Arts	Uxbridge, Mass.
Freeburn, Robert J.	Freshman	Business Administration	Newton Centre, Mass.
Friel, Paul L.	Sophomore	Social Science	Providence, R. I.
Fritsch, Joseph G.	Senior	Arts	Rochester, N. Y.
Frost, Albert E., Jr.	Sophomore	Chemistry	E. Douglas, Mass.
Fullan, Robert V.	Junior	Business Administration	Forest Hills, N. Y.
Gaffney, Robert E.	Freshman	Arts	Bridgeport, Conn.
Gagnon, Donald G.	Junior	Business Administration	N. Chelmsford, Mass.
Gahan, John W., Jr.	Sophomore	Business Administration	Newton Centre, Mass.
Galea, John H.	Freshman	Arts	Albany, N. Y.
Galkowski, Theodore T.	Sophomore	Chemistry	Worcester, Mass.
Gallagher, George G.	Freshman	Business Administration	Highland Park, N. J.
Gallagher, William J., Jr.	Sophomore	Arts	St. Louis, Mo.
Galligan, Thomas B.	Freshman	Arts	New York, N. Y.
Galullo, Louis J.	Junior	Business Administration	Waterbury, Conn.
Galuska, Edward J.	Freshman	Education	Pawtucket, R. I.
Ganley, Thomas J.	Freshman	Social Science	Methuen, Mass.
Garamella, Joseph J.	Junior	Biology	Bridgeport, Conn.
Garipey, Louis B.	Sophomore	Biology	Detroit, Mich.
Garland, Joseph, Jr.	Sophomore	Arts	Brooklyn, N. Y.
Garofoli, Peter V.	Freshman	Arts	Clinton, Mass.
Garrity, James L.	Junior	Arts	Worcester, Mass.
Garrity, John T.	Freshman	Arts	Worcester, Mass.
Garvin, Edward F.	Freshman	Chemistry	Hamden, Conn.
Geary, George F., Jr.	Sophomore	Arts	Brooklyn, N. Y.
Geherin, John T.	Senior	Social Science	Auburn, N. Y.
Geissman, Erwin W.	Senior	Arts	College Point, N. Y.
Gendron, Edwin A.	Junior	Biology	New Bedford, Mass.
Geogan, Robert J.	Senior	Arts	Rockland, Mass.
George, Albert L.	Junior	Arts	Worcester, Mass.
George, Joseph E.	Sophomore	Business Administration	Pittsfield, Mass.
Gerham, Frank J.	Senior	Business Administration	Brooklyn, N. Y.
Gerry, Harper T.	Sophomore	Education	Shelburne Falls, Mass.
Getlein, Frank J., Jr.	Senior	History	Ansonia, Conn.
Gettings, James A.	Freshman	Biology	New Haven, Conn.
Ghelardi, Raymond P.	Junior	Physics	Brooklyn, N. Y.
Gianquinto, Vincent J. A.	Sophomore	Biology	Brooklyn, N. Y.
Giaquinto, Francis J.	Sophomore	Business Administration	Waterbury, Conn.
Gibbons, Thomas H., IV	Freshman	Arts	Chicago, Ill.
Gibson, Richard A.	Sophomore	Education	Lewiston, Me.
Giknis, Albert B.	Junior	Biology	Turners Falls, Mass.
Gildea, William A.	Sophomore	Arts	Danbury, Conn.

Gillespie, Hugh J.	Freshman	Business Administration	E. Mauch Chunk, Pa.
Gillis, Charles P.	Junior	Business Administration	Shirley, Mass.
Gillon, Charles J., Jr.	Junior	Arts	Taunton, Mass.
Gilmore, Edward	Junior	Arts	Brockton, Mass.
Gilmore, William R.	Freshman	Business Administration	Lima, O.
Gilroy, Robert P.	Junior	Business Administration	Scranton, Pa.
Gilson, George E.	Senior	Business Administration	No. Providence, R. I.
Glavin, Charles J.	Junior	Education	Stockbridge, Mass.
Gleason, Paul D.	Junior	Arts	Bangor, Me.
Glenn, Earl F.	Freshman	Business Administration	Wheaton, Ill.
Goddard, Vincent P.	Junior	Physics	Uxbridge, Mass.
Gorham, John H.	Freshman	Arts	Portland, Me.
Gorman, Raymond E.	Freshman	Arts	Manchester, Conn.
Grady, Frank R.	Sophomore	Business Administration	Worcester, Mass.
Grady, John T.	Sophomore	Arts	Clinton, Mass.
Graham, Arthur M.	Junior	Arts	Waban, Mass.
Graham, Edward F.	Junior	Education	Saxonville, Mass.
Graham, Richard H.	Sophomore	Arts	Waban, Mass.
Greaney, Joseph J.	Senior	Arts	Holyoke, Mass.
Greco, Anthony C.	Freshman	Arts	New Haven, Conn.
Green, George W.	Freshman	Arts	Worcester, Mass.
Green, John A.	Senior	Chemistry	Newark, N. J.
Grennan, John P., Jr.	Senior	Business Administration	Bristol, Conn.
Greska, George V.	Junior	History	Worcester, Mass.
Gribouski, G. Joseph	Sophomore	History	Sutton, Mass.
Gridley, John C.	Sophomore	Arts	Elmira, N. Y.
Griffin, Francis X.	Freshman	Education	Portland, Me.
Griffin, Robert J.	Freshman	Arts	Hartford, Conn.
Grigas, John J.	Junior	Education	Chelsea, Mass.
Grogan, David F.	Freshman	Biology	Bridgeport, Conn.
Grzebien, Thomas W., Jr.	Freshman	Biology	Providence, R. I.
Guerrieri, Nicholas P.	Sophomore	Social Science	New Haven, Conn.
Guiney, Paul W.	Sophomore	Business Administration	Worcester, Mass.
Guiney, William P.	Junior	Biology	Belmont, Mass.
Gustowski, Chester J.	Junior	Business Administration	Worcester, Mass.
Guthrie, John C.	Freshman	Business Administration	Belmont, Mass.
Hagedorn, Russell R.	Freshman	Business Administration	E. Hartford, Conn.
Haley, Bernard J.	Senior	Arts	Salem, Mass.
Haley, John F.	Senior	Business Administration	Worcester, Mass.
Haley, Wallace F., Jr.	Junior	Arts	Salem, Mass.
Halloran, Alfred J.	Senior	Arts	Worcester, Mass.
Halpin, Gerard A., Jr.	Freshman	Business Administration	Quincy, Mass.
Hambrook, William D.	Freshman	Business Administration	Troy, N. Y.

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Hamel, Paul W.	Senior	Business Administration	Quincy, Mass.
Hamilton, Richard J.	Senior	Business Administration	Bridgeport, Conn.
Hamm, Joseph E.	Senior	Arts	Brooklyn, N. Y.
Hanifan, Charles B.	Senior	Education	Malden, Mass.
Hankinson, Donald V.	Sophomore	Arts	Brooklyn, N. Y.
Hanley, William J., Jr.	Sophomore	Arts	Hoboken, N. J.
Hannigan, Joseph P.	Sophomore	Business Administration	Philadelphia, Pa.
Hannon, Joseph B., Jr.	Freshman	Business Administration	Bristol, Conn.
Hardiman, John P.	Senior	Chemistry	Worcester, Mass.
Harney, Joseph H.	Freshman	Business Administration	Lynn, Mass.
Harrington, Edward J.	Junior	Education	Worcester, Mass.
Harrington, Edward P.	Junior	Arts	Tiverton, R. I.
Harrington, Francis J.	Sophomore	Arts	Milton, Mass.
Harrington, Leo F.	Freshman	Arts	Salem, Mass.
Harrison, Kimball B.	Freshman	Social Science	Middleboro, Mass.
Hartcorn, John A.	Junior	Business Administration	Brooklyn, N. Y.
Harvey, Richard E., Jr.	Senior	Arts	Portland, Me.
Haskell, Charles H., Jr.	Junior	Arts	Marlboro, Mass.
Hassett, John D., Jr.	Junior	Arts	Worcester, Mass.
Hassett, John E.	Sophomore	Biology	Gt. Barrington, Mass.
Hastings, Martin F.	Freshman	Business Administration	Worcester, Mass.
Hayes, Thomas E.	Freshman	Business Administration	Swampscott, Mass.
Healey, James R.	Sophomore	Business Administration	Worcester, Mass.
Healy, John B.	Freshman	Arts	Babylon, N. Y.
Hedges, William J.	Freshman	Arts	Lima, O.
Heffernan, James G.	Freshman	Arts	Brooklyn, N. Y.
Heffernan, Paul I.	Sophomore	Social Science	Norwood, Mass.
Heinig, William J.	Freshman	Arts	Clinton, Mass.
Heinige, Fred A.	Freshman	Biology	Little Ferry, N. J.
Henry, Paul A., Jr.	Senior	Biology	Auburn, N. Y.
Heroux, Gerald J.	Sophomore	Arts	No. Uxbridge, Mass.
Herron, Robert A.	Senior	Arts	Harrington Park, N. J.
Hession, Leo J.	Freshman	Arts	Newton Highlands, Mass.
Hewitt, E. Everett	Sophomore	Arts	Portsmouth, Va.
Hickey, Francis A. M.	Freshman	Arts	Turners Falls, Mass.
Hickey, J. Paul	Senior	Arts	Hartford, Conn.
Hickey, Thomas A., Jr.	Freshman	Business Administration	Worcester, Mass.
Hickey, Thomas F.	Junior	Arts	E. Hartford, Conn.
Higgins, James C.	Senior	Business Administration	New Castle, Pa.
Higgins, Richard J.	Sophomore	Arts	Framingham, Mass.
Higgins, Thomas F.	Junior	Arts	Fall River, Mass.
Hill, David J.	Sophomore	Chemistry	Millbury, Mass.
Himmelsbach, William A.	Senior	Arts	Northampton, Mass.
Hines, John L.	Freshman	Business Administration	Waterbury, Conn.

Hines, Paul A.	Sophomore	Business Administration	Newton, Mass.
Hoar, Thomas E.	Sophomore	Business Administration	Worcester, Mass.
Hoar, Walter E.	Sophomore	Arts	Boston, Mass.
Hobin, Thomas H.	Junior	Business Administration	Framingham, Mass.
Hoey, Robert F.	Sophomore	Arts	Worcester, Mass.
Holls, William M., Jr.	Freshman	Arts	Baltimore, Md.
Homicz, Alphonse J.	Sophomore	Arts	Southbridge, Mass.
Hopper, Paul F. J.	Freshman	Chemistry	Troy, N. Y.
Horan, Robert L.	Freshman	Education	Manchester, N. H.
Hourigan, John T.	Junior	Arts	Carthage, N. Y.
Houston, William B.	Sophomore	Social Science	Worcester, Mass.
Howard, Richard A.	Freshman	Arts	Hamden, Conn.
Hughes, Joseph W.	Freshman	Business Administration	Belmont, Mass.
Hughes, Walter J.	Senior	Arts	Worcester, Mass.
Hull, Arthur G.	Freshman	Business Administration	Athol, Mass.
Hurley, Emmet D., Jr.	Freshman	Biology	Erie, Pa.
Hurley, John E.	Freshman	Business Administration	Longmeadow, Mass.
Hurley, Thomas L.	Freshman	Social Science	Pittsfield, Mass.
Hynes, William P.	Senior	Arts	Clinton, Mass.
Inbusch, Ralph C., Jr.	Sophomore	Business Administration	Milwaukee, Wis.
Jahant, James H.	Junior	Business Administration	Akron, O.
Jahant, William F.	Sophomore	Business Administration	Akron, O.
Jannette, Armand B.	Sophomore	Business Administration	So. Barre, Mass.
Jennings, David V., Jr.	Junior	Arts	Wauwatosa, Wis.
Jenusaitis, John R.	Freshman	Arts	Waterbury, Conn.
Johann, Robert O.	Freshman	Arts	New York, N. Y.
Johnson, George D.	Senior	Business Administration	Lawrence, Mass.
Johnson, Richard G.	Junior	Arts	Marblehead, Mass.
Johnson, William E.	Senior	Arts	Hartford, Conn.
Jones, Norman T.	Sophomore	Business Administration	Wakefield, Mass.
Jones, Oakley R.	Senior	Biology	Wakefield, Mass.
Joseph, George A.	Freshman	Chemistry	Gt. Barrington, Mass.
Joyce, Thomas J.	Freshman	Arts	Clinton, Mass.
Kahler, Charles F.	Sophomore	Business Administration	Schenectady, N. Y.
Kain, Edward J.	Freshman	Social Science	River Forest, Ill.
Kaine, Basil W.	Sophomore	Arts	Battleboro, Vt.
Kalasiniski, Raymond M.	Freshman	Business Administration	Detroit, Mich.
Kallis, John N.	Freshman	Business Administration	Quincy, Mass.
Kane, Martin J., Jr.	Junior	History	New York, N. Y.
Keane, Thomas F.	Junior	Social Science	Waterbury, Conn.
Kearney, John D.	Freshman	Business Administration	Scranton, Pa.

Kearney, John J.	Junior	Arts	Haverhill, Mass.
Kearns, James F. X.	Senior	Arts	Worcester, Mass.
Keating, John L.	Senior	Arts	Hyde Park, Mass.
Keating, John W.	Freshman	Arts	Rochester, N. Y.
Keefe, Philip C.	Freshman	Social Science	Dover, N. H.
Keegan, Joseph M.	Sophomore	Arts	Passaic, N. J.
Keenan, Owen P.	Freshman	Arts	Milford, Mass.
Kehoe, Arthur G.	Freshman	Arts	Brooklyn, N. Y.
Kelleher, Kenneth S.	Sophomore	Arts	Greensboro, N. C.
Kelley, Francis J., Jr.	Junior	Arts	Milton, Mass.
Kelley, Frank A.	Senior	Business Administration	Plymouth, N. H.
Kelley, James D.	Freshman	Arts	Somerville, Mass.
Kelley, Joseph G.	Junior	Arts	Dorchester, Mass.
Kelley, Robert O.	Senior	Business Administration	Manchester, N. H.
Keller, Nicholas J., Jr.	Freshman	Arts	West New York, N. J.
Kellick, William L.	Freshman	Arts	Niagara Falls, N. Y.
Kelly, Joseph R.	Sophomore	Arts	Springfield, Mass.
Kelly, Thomas F., Jr.	Sophomore	Arts	Worcester, Mass.
Kenneally, Joseph T.	Junior	Arts	Worcester, Mass.
Kennedy, James F.	Senior	Arts	Randolph, Mass.
Kennedy, John W., Jr.	Freshman	Chemistry	Medford, Mass.
Kennedy, Raymond J.	Sophomore	Business Administration	Oakville, Conn.
Kenny, Robert T.	Senior	Arts	Waterbury, Conn.
Kenny, William T.	Freshman	Business Administration	Sharon, Conn.
Kerin, Thomas F., Jr.	Freshman	Arts	Scarsdale, N. Y.
Kickham, John W.	Freshman	Business Administration	Brookline, Mass.
Kiely, Robert R.	Junior	Chemistry	Worcester, Mass.
Kierce, Thomas E.	Senior	Arts	Lowell, Mass.
Kilcoyne, John M.	Freshman	Arts	Clinton, Mass.
Kilcoyne, Joseph F.	Freshman	Arts	Clinton, Mass.
Kilfoil, Henry F.	Sophomore	Business Administration	Springfield, Mass.
Kilfoil, Thomas F.	Sophomore	Arts	New Britain, Conn.
Kilfoyle, Thomas E.	Junior	Arts	Salem, Mass.
Killoran, John J.	Senior	Chemistry	Worcester, Mass.
Kilsheimer, John R.	Freshman	Chemistry	Mt. Vernon, N. Y.
Kilty, Michael F., Jr.	Senior	Arts	Windsor Locks, Conn.
Kinkel, John T.	Sophomore	Arts	Bedford, N. Y.
Kinnane, John M.	Freshman	Physics	Worcester, Mass.
Kirby, Charles L., Jr.	Senior	Arts	Lynn, Mass.
Kirby, Edward F., Jr.	Sophomore	Arts	Worcester, Mass.
Kirby, John E.	Freshman	Social Science	Woonsocket, R. I.
Kirk, Frederick L.	Freshman	Business Administration	New York, N. Y.
Klasoskus, Albin A.	Junior	Education	Meriden, Conn.
Klein, Philip A.	Freshman	Arts	Stockbridge, Mass.

Kleniewski, Frank S.	Junior	Education	Pawtucket, R. I.
Kneeland, Philip R.	Freshman	Business Administration	Worcester, Mass.
Krajenke, Richard C.	Sophomore	Business Administration	Detroit, Mich.
Kretowicz, Adam A.	Senior	Education	Keene, N. H.
Kroyak, Edward J.	Freshman	Arts	Worcester, Mass.
Lakowski, Chester	Sophomore	History	Providence, R. I.
Lally, James J.	Freshman	Physics	Newton, Mass.
Lally, Martin J.	Freshman	Social Science	Swampscott, Mass.
Lambert, Richard L.	Freshman	History	Winthrop, Mass.
Lambert, Robert E.	Freshman	Education	Lowell, Mass.
Lanagan, Robert J.	Freshman	Chemistry	Spencer, Mass.
Landrigan, James M.	Freshman	Education	Wakefield, Mass.
Lane, F. Hamilton, Jr.	Sophomore	Arts	Taunton, Mass.
Langan, Theodore J.	Freshman	Arts	Leonia, N. J.
Langevin, Louis A.	Junior	Arts	E. Jaffrey, N. H.
LaPlante, Arthur J., Jr.	Junior	Business Administration	Rochdale, Mass.
Largay, Charles E.	Sophomore	Social Science	Waterbury, Conn.
Largay, Roland F.	Freshman	Business Administration	Waterbury, Conn.
Largess, Clifton R., Jr.	Senior	Chemistry	Worcester, Mass.
Larkin, John L.	Sophomore	Arts	Kingston, N. Y.
Larkin, Philip C.	Freshman	Arts	Springfield, Mass.
LaRochelle, Jules G.	Senior	Arts	Biddeford, Me.
LaRosa, Vincent S.	Sophomore	Business Administration	Woodhaven, N. Y.
Larson, William N.	Junior	Arts	Evansville, Ind.
Lavin, Francis P.	Sophomore	Arts	Jamaica, N. Y.
Lavin, John E.	Junior	Arts	Worcester, Mass.
Lawless, Eugene T.	Junior	Arts	Far Rockaway, N. Y.
Lawlor, Augustine J., Jr.	Freshman	Arts	Lawrence, Mass.
Lawlor, Edwin D., Jr.	Sophomore	Business Administration	Oak Park, Ill.
Lawlor, John E.	Junior	Arts	Dover, N. H.
Lawson, Robert J.	Sophomore	Business Administration	Crestwood, N. Y.
Laydon, John J.	Freshman	Arts	Whitehall, N. Y.
Layton, William C.	Freshman	Arts	Maywood, N. J.
Leary, Francis D.	Sophomore	Arts	Worcester, Mass.
Leary, John J., Jr.	Sophomore	Business Administration	Worcester, Mass.
Leary, Robert L.	Senior	Business Administration	Turners Falls, Mass.
Lebling, Robert W.	Freshman	Business Administration	Chevy Chase, Md.
Lebling, William L., Jr.	Sophomore	Business Administration	Chevy Chase, Md.
Lee, Robert W.	Senior	Arts	Worcester, Mass.
Leverone, Eugene A., Jr.	Freshman	Business Administration	Framingham, Mass.
L'Heureux, Joseph N.	Senior	Arts	Livermore Falls, Me.
Lightcap, Joseph F.	Freshman	Education	Brooklyn, N. Y.
Lightcap, Thomas K.	Freshman	Arts	E. Longmeadow, Mass.

Lillis, Mark A.	Freshman	Arts	Lockport, N. Y.
Liphardt, Edward W.	Freshman	Arts	Chicago, Ill.
Lloyd, Edward H., Jr.	Senior	Business Administration	Brighton, Mass.
Lockwood, Kenneth G.	Freshman	Chemistry	Worcester, Mass.
Logue, Owen J., Jr.	Junior	Arts	Woburn, Mass.
Lohr, Robert F.	Sophomore	Business Administration	Hasbrouck Hgts., N. J.
Lonsway, Maurice J.	Freshman	Arts	St. Louis, Mo.
Lopez de Victoria, Gilberto, Jr.	Freshman	Biology	Mayaguez, P. R.
Lore, John M., Jr.	Junior	Biology	New York, N. Y.
Loughlin, Edmond B.	Junior	Arts	Wakefield, Mass.
Loughlin, Francis J.	Sophomore	Arts	Worcester, Mass.
Loughlin, Thomas F.	Freshman	Business Administration	Worcester, Mass.
Loughman, John P.	Junior	Chemistry	Allston, Mass.
Lovering, Joseph P.	Junior	Arts	Calais, Me.
Lucid, James R.	Sophomore	Physics	Batavia, N. Y.
Luick, John F.	Senior	Arts	Milwaukee, Wis.
Lyddy, Raymond C.	Freshman	Arts	Bridgeport, Conn.
Lynch, Frank G.	Freshman	Arts	Albany, N. Y.
Lynch, J. Edward	Junior	Arts	Boston, Mass.
Lynch, James P., Jr.	Junior	Arts	Canton, Mass.
Lynch, John J.	Junior	Arts	Lawrence, Mass.
Lynch, Joseph D.	Junior	Business Administration	Middletown, Conn.
Lynch, Robert L.	Freshman	Arts	Stoughton, Mass.
Lyons, J. Austin	Sophomore	Arts	Tuckahoe, N. Y.
Lyons, Paul V.	Sophomore	Arts	Thomaston, Conn.
Lyons, William B.	Senior	Arts	Thomaston, Conn.
MacAulay, Francis X.	Sophomore	Biology	Gardner, Mass.
MacCausland, Alexander J.	Sophomore	Arts	Drexel Hill, Pa.
Macdonald, Jerome A., Jr.	Senior	Business Administration	Quincy, Mass.
Macdonald, Thomas F.	Freshman	Business Administration	Quincy, Mass.
Maddougald, Donald D.	Junior	Business Administration	Providence, R. I.
Mackey, John P.	Sophomore	Arts	Cumberland, Md.
Mackin, Frank C.	Junior	Arts	Newton, Mass.
Macy, Broni S.	Sophomore	Education	Malden, Mass.
Madden, John F.	Sophomore	Business Administration	Worcester, Mass.
Maher, Edward M.	Senior	Arts	Jamaica, N. Y.
Maher, Joseph F.	Senior	Arts	Brooklyn, N. Y.
Maher, Laurence T.	Freshman	Business Administration	Hopedale, Mass.
Maher, Robert E.	Sophomore	Arts	Worcester, Mass.
Mahoney, James E.	Freshman	History	Wood River, Ill.
Mahoney, John	Sophomore	Arts	Newton, Mass.
Mainville, Joseph M.	Senior	Education	Rochdale, Mass.
Mallahan, Joseph J.	Sophomore	Arts	Cambridge, Mass.

Malloy, Edward J.	Senior	Business Administration	New York, N. Y.
Maloney, Francis J.	Senior	Business Administration	Worcester, Mass.
Maloney, Fred J., Jr.	Freshman	Business Administration	Worcester, Mass.
Maloney, James F.	Senior	Arts	Binghamton, N. Y.
Maloney, Robert E.	Sophomore	Arts	Worcester, Mass.
Maloney, Vincent L.	Freshman	Business Administration	Brooklyn, N. Y.
Manahan, Joseph M.	Freshman	Arts	Worcester, Mass.
Manning, William E., Jr.	Sophomore	Arts	Leominster, Mass.
Manogue, Robert S.	Freshman	Chemistry	Rittman, O.
Mara, John J.	Freshman	Arts	Worcester, Mass.
Marcella, William F.	Sophomore	Business Administration	Somerville, Mass.
March, Paul A.	Junior	Arts	Worcester, Mass.
Marchiony, Francis R.	Freshman	Chemistry	New York, N. Y.
Marchiony, Louis E.	Senior	Arts	New York, N. Y.
Marcorelle, Edward J., Jr.	Junior	History	Ipswich, Mass.
Markham, Donald R.	Sophomore	Arts	Wilmette, Ill.
Marley, Thomas J., Jr.	Sophomore	Arts	Haverhill, Mass.
Marra, John O.	Senior	Arts	Holyoke, Mass.
Marrone, Edward J.	Freshman	Business Administration	Worcester, Mass.
Marshall, James J.	Freshman	Arts	Worcester, Mass.
Martell, Richard T.	Junior	Arts	Framingham, Mass.
Martini, Carl J.	Senior	Education	Lawrence, Mass.
Masciarelli, Rudolph	Senior	Arts	Marlboro, Mass.
Masterson, Robert B., Jr.	Sophomore	Physics	W. Roxbury, Mass.
Masterson, William K.	Sophomore	Arts	Worcester, Mass.
Mathias, Paul E.	Junior	Arts	Brightwaters, N. Y.
Mathieu, Joseph A.	Junior	Business Administration	Winchendon, Mass.
Mathieu, Robert J.	Senior	Business Administration	Winchendon, Mass.
Maurano, Peter J.	Junior	Education	Chelsea, Mass.
Maxwell, Richard E.	Sophomore	Arts	Taunton, Mass.
May, Robert E.	Junior	Business Administration	Marlboro, Mass.
Mayer, Edward J.	Sophomore	Arts	Springfield, Mass.
Mazeika, Albert C.	Sophomore	Business Administration	Worcester, Mass.
Mazzaferro, Aldo J.	Junior	Business Administration	Leominster, Mass.
Mazzu, Arthur L.	Sophomore	Biology	No. Adams, Mass.
Meade, Maurice P., Jr.	Freshman	Arts	Brookline, Mass.
Meath, Thomas E., Jr.	Junior	Business Administration	Glens Falls, N. Y.
Meehan, Thomas P.	Junior	Business Administration	Stamford, Conn.
Mendes, Joseph W.	Junior	Business Administration	Larchmont, N. Y.
Merlino, Dante M.	Senior	Arts	Yonkers, N. Y.
Merritt, George H.	Junior	Arts	Pittsfield, Mass.
Merullo, Emanuel A.	Junior	Education	East Boston, Mass.
Meseck, Joseph F., Jr.	Senior	Business Administration	Jersey City, N. J.
Mester, Edward T.	Senior	Arts	Derby, Conn.

Meyer, Edwin P.	Freshman	Business Administration	Worcester, Mass.
Michaels, James K.	Sophomore	Chemistry	Brooklyn, N. Y.
Middleton, James V.	Sophomore	Chemistry	Ripon, Wis.
Mierzwinski, T. Thomas	Freshman	Arts	Torrington, Conn.
Millard, James C. B., Jr.	Senior	Arts	Ridgewood, N. J.
Millin, F. Russell	Freshman	Social Science	Norwood, Mass.
Mills, William H., Jr.	Sophomore	Education	Arlington, Mass.
Milner, Kenneth A.	Junior	Business Administration	Mt. Vernon, N. Y.
Milner, Raymond R.	Sophomore	Business Administration	Meriden, Conn.
Mitchell, John B.	Senior	Arts	Clinton, Mass.
Mitchell, John E.	Junior	Arts	Bronxville, N. Y.
Monahan, Joseph W., Jr.	Sophomore	Business Administration	Belmont, Mass.
Monahan, Richard J.	Sophomore	Arts	Worcester, Mass.
Moran, Daniel J.	Junior	Business Administration	Fall River, Mass.
Moran, George B., Jr.	Junior	Business Administration	Worcester, Mass.
Moran, James J.	Freshman	Business Administration	Buffalo, N. Y.
Morgan, Edward F., III	Senior	Business Administration	Hudson, Mass.
Morgan, John P.	Sophomore	Arts	Methuen, Mass.
Morgan, Joseph P.	Freshman	Arts	Worcester, Mass.
Morgan, William J.	Junior	Education	Hudson, Mass.
Moriarty, John E.	Freshman	Arts	Worcester, Mass.
Moriarty, Walter J.	Sophomore	Arts	Worcester, Mass.
Moriarty, William T.	Freshman	Social Science	Worcester, Mass.
Morin, Wilfrid A.	Sophomore	Business Administration	Auburn, Mass.
Morris, Thomas F., II	Sophomore	Arts	Hartford, Conn.
Morris, Walter A., Jr.	Senior	Arts	Jackson Heights, N. Y.
Moynahan, Joseph M.	Freshman	Biology	Worcester, Mass.
Moynihan, Walter R.	Sophomore	Arts	Milford, Mass.
Mudd, Joseph F. G.	Junior	Biology	St. Louis, Mo.
Mulcahy, Kevin B.	Junior	Education	Winthrop, Mass.
Mulkern, Alfred E.	Freshman	Arts	Portland, Me.
Mullaney, Paul V.	Senior	Arts	Worcester, Mass.
Mulligan, Frank J., Jr.	Freshman	Arts	Salem, Mass.
Mulqueen, Robert F.	Freshman	Arts	New York, N. Y.
Murphy, Arthur J.	Junior	Business Administration	Jamaica, N. Y.
Murphy, Daniel J., Jr.	Sophomore	Arts	Hull, Mass.
Murphy, David C.	Junior	Arts	Northampton, Mass.
Murphy, Edmund D., Jr.	Junior	Education	Lowell, Mass.
Murphy, Edward J.	Junior	Business Administration	Haydenville, Mass.
Murphy, Francis J.	Junior	Education	Worcester, Mass.
Murphy, George L., Jr.	Junior	Business Administration	Utica, N. Y.
Murphy, Harry E.	Sophomore	Business Administration	Forest Hills, N. Y.
Murphy, Hugh J.	Senior	Arts	Pomfret, Conn.
Murphy, John A.	Freshman	Arts	New York, N. Y.

Murphy, John F., Jr.	Freshman	Business Administration	Boston, Mass.
Murphy, Joseph G.	Junior	Biology	Taunton, Mass.
Murphy, Joseph P., Jr.	Junior	Arts	Oak Park, Ill.
Murphy, Patrick F., Jr.	Junior	Business Administration	Brighton, Mass.
Murphy, Paul D., Jr.	Freshman	Arts	Rockville Centre, N. Y.
Murphy, Richard L.	Freshman	Education	Clinton, Mass.
Murphy, Stephen F.	Sophomore	Social Science	New York, N. Y.
Murphy, William T.	Freshman	Biology	Plattsburg, N. Y.
Murray, Francis H., Jr.	Freshman	Business Administration	New Bedford, Mass.
Murray, F. Menard	Sophomore	Arts	Lexington, Ky.
Murray, Hugh J.	Sophomore	Business Administration	Cincinnati, O.
Murray, James G.	Freshman	Arts	Rockville Centre, N. Y.
Murray, Paul H.	Sophomore	Business Administration	Gardner, Mass.
Mylod, Philip J. J.	Senior	Arts	Glen Ridge, N. J.
McAneney, Thomas P.	Sophomore	Biology	Brooklyn, N. Y.
McAuliffe, John E.	Freshman	Biology	Worcester, Mass.
McBain, William R.	Junior	Arts	Malden, Mass.
McCabe, Francis J., Jr.	Freshman	Business Administration	Apponaug, R. I.
McCabe, James M.	Freshman	Physics	Hartford, Conn.
McCabe, Thomas C.	Junior	Arts	Gt. Barrington, Mass.
McCall, Ambrose V., Jr.	Senior	Arts	Yonkers, N. Y.
McCann, Joseph H., Jr.	Junior	Arts	Worcester, Mass.
McCann, William J.	Junior	Biology	New Rochelle, N. Y.
McCarthy, Edward E.	Sophomore	Arts	Brookline, Mass.
McCarthy, John J.	Junior	Business Administration	Belmont, Mass.
McCarthy, John R.	Junior	Arts	New York, N. Y.
McCarthy, Joseph F., Jr.	Senior	Business Administration	Hartford, Conn.
McCarthy, Philip L.	Sophomore	Arts	Milton, Mass.
McCarthy, Robert V.	Junior	Arts	Worcester, Mass.
McCarthy, Thomas V.	Freshman	Social Science	Worcester, Mass.
McCarthy, W. David, Jr.	Junior	Arts	Fitchburg, Mass.
McCarty, Kevin J.	Junior	Arts	W. Roxbury, Mass.
McChesney, Robert W., Jr.	Freshman	Arts	Chevy Chase, Md.
McCormack, Francis X.	Sophomore	Business Administration	Englewood, N. J.
McCourt, Allyn H.	Sophomore	Arts	Jamaica Plain, Mass.
McCoy, James J., Jr.	Senior	Business Administration	Flushing, N. Y.
McCue, Marty C.	Sophomore	Business Administration	Long Branch, N. J.
McCusker, Paul D.	Junior	Arts	Niagara Falls, N. Y.
McDonald, John J.	Senior	Arts	Malden, Mass.
McDonald, Richard G.	Freshman	Arts	Gloucester, Mass.
McDowell, Leonard J.	Junior	Arts	Portland, Me.
McEnerney, Richard H.	Senior	Arts	Derby, Conn.
McEniry, William P.	Sophomore	Arts	Milwaukee, Wis.

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McEvoy, George A.	Freshman	Business Administration	Newton, Mass.
McGah, Joseph P.	Junior	Arts	Oak Park, Ill.
McGalloway, John P.	Freshman	Arts	Fond du Lac, Wis.
McCann, John O.	Sophomore	Social Science	Rutland, Mass.
McGaughey, Frank S., Jr.	Freshman	Business Administration	Atlanta, Ga.
McGee, Marcus A.	Freshman	Business Administration	Worcester, Mass.
McGee, Robert T.	Junior	Arts	Marlboro, Mass.
McGillicuddy, Cornelius V.	Junior	Arts	Buffalo, N. Y.
McGlone, Robert J.	Junior	Education	Portland, Me.
McGoldrick, Eugene M.	Freshman	Biology	Brooklyn, N. Y.
McGrath, Edward B.	Freshman	Biology	Windsor Locks, Conn.
McGrath, Edward H.	Sophomore	Arts	New York, N. Y.
McGrath, Francis J.	Junior	Business Administration	Waterbury, Conn.
McGrath, James J.	Junior	Business Administration	Waterbury, Conn.
McGrath, Michael W.	Junior	Business Administration	Windsor Locks, Conn.
McGrath, Paul D.	Senior	Business Administration	W. Roxbury, Mass.
McGrath, Paul F.	Sophomore	Arts	Worcester, Mass.
McGrath, Thomas E.	Junior	Business Administration	Waterbury, Conn.
McGuire, John A.	Freshman	Biology	Brooklyn, N. Y.
McInerny, Francis W.	Senior	Business Administration	Worcester, Mass.
McKeogh, Robert P., Jr.	Junior	Arts	Gardner, Mass.
McKone, William P.	Junior	Business Administration	Hartford, Conn.
McMahon, Henry J.	Freshman	Arts	Woburn, Mass.
McMahon, William J., Jr.	Junior	Arts	Niagara Falls, N. Y.
McManus, Frederick R.	Sophomore	Arts	Lynn, Mass.
McManus, James J.	Senior	Business Administration	Troy, N. Y.
McManus, William J.	Freshman	Business Administration	Kingston, N. Y.
McMartin, Robert W.	Freshman	Biology	Plattsburg, N. Y.
McNally, Francis P.	Senior	Education	Clinton, Mass.
McNally, John D.	Sophomore	Business Administration	Needham, Mass.
McNally, John J.	Sophomore	Arts	Melrose, Mass.
McNamara, Adrian C.	Junior	Arts	Haverhill, Mass.
McNamara, Edmund L.	Junior	Education	Clinton, Mass.
McNamara, John F., Jr.	Sophomore	Business Administration	Melrose, Mass.
McNamee, William V.	Freshman	Arts	Worcester, Mass.
McNulty, Charles J.	Junior	Chemistry	Laurel, N. Y.
McQueeney, Robert P.	Junior	Arts	Worcester, Mass.
McQuillan, Jeremiah E.	Junior	Business Administration	Hudson, Mass.
McSheehy, Robert W.	Freshman	Arts	Worcester, Mass.
McSweeney, Vincent J.	Junior	Arts	Haverhill, Mass.
McVann, Robert E.	Senior	Business Administration	Peabody, Mass.
McVay, Robert W.	Junior	Biology	Pawtucket, R. I.

Nagle, James F.	Junior	History	North Adams, Mass.
Nahigian, Alexander	Senior	Education	Medford, Mass.
Nash, Robert A.	Sophomore	Business Administration	Plattsburg, N. Y.
Natowich, Andrew	Junior	Education	Ansonia, Conn.
Navickas, John V.	Freshman	Business Administration	Nashua, N. H.
Naylon, Henry E., Jr.	Senior	Biology	Nutley, N. J.
Naylor, William F.	Junior	Arts	Attleboro, Mass.
Neagle, Thomas H.	Junior	Arts	Floral Park, N. Y.
Neagle, William E., Jr.	Senior	Arts	Floral Park, N. Y.
Nealon, Joseph B.	Freshman	Biology	Schenectady, N. Y.
Neligion, Cornelius J.	Freshman	Business Administration	Meriden, Conn.
Neligion, Thomas J.	Junior	Business Administration	Meriden, Conn.
Netter, L. Douglas, Jr.	Senior	Business Administration	Bronxville, N. Y.
Nicholson, John J.	Sophomore	Arts	Worcester, Mass.
Nolan, John F.	Freshman	Arts	Worcester, Mass.
Nolan, John W.	Sophomore	Business Administration	Waterbury, Conn.
Nolan, Joseph T.	Senior	Arts	Waterbury, Conn.
Nolan, Philip J.	Freshman	Education	Brooklyn, N. Y.
Nolan, Richard M.	Freshman	Arts	Niagara Falls, N. Y.
Nolan, Robert J.	Sophomore	Business Administration	Glens Falls, N. Y.
Noone, John B., Jr.	Freshman	Arts	Douglaston, N. Y.
Novia, Bernard E.	Freshman	Biology	Derby Line, Vt.
O'Boyle, Thomas P.	Senior	Arts	Milwaukee, Wis.
O'Brien, Donald D.	Sophomore	Arts	Worcester, Mass.
O'Brien, Fred W., Jr.	Junior	Arts	Boston, Mass.
O'Brien, J. Emmett, Jr.	Senior	Arts	Rutland, Vt.
O'Brien, James D.	Junior	Arts	Oak Park, Ill.
O'Brien, James J., Jr.	Sophomore	Social Science	Cambridge, Mass.
O'Brien, John F., Jr.	Freshman	Biology	Fall River, Mass.
O'Brien, John L.	Freshman	Business Administration	Forest Hills, N. Y.
O'Brien, John W.	Sophomore	Business Administration	Worcester, Mass.
O'Brien, Lawrence W. G.	Freshman	Business Administration	Oswego, N. Y.
O'Brien, Michael J.	Senior	Arts	Worcester, Mass.
O'Brien, Mortimer C.	Junior	Arts	White Plains, N. Y.
O'Coin, John J.	Freshman	Arts	Worcester, Mass.
O'Connell, Donal P.	Senior	History	Worcester, Mass.
O'Connell, Edward J.	Senior	Arts	Brooklyn, N. Y.
O'Connell, Eugene F.	Junior	Business Administration	Bridgeport, Conn.
O'Connell, Richard J.	Senior	Business Administration	Worcester, Mass.
O'Connell, Robert E.	Freshman	Business Administration	Syracuse, N. Y.
O'Connor, Francis M.	Freshman	Physics	Albany, N. Y.
O'Connor, James L.	Senior	Arts	Englewood, N. J.
O'Connor, John J.	Junior	Business Administration	New Haven, Conn.

STUDENT DIRECTORY

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O'Connor, J. Norman	Sophomore	Arts	Webster, Mass.
O'Connor, Richard J.	Sophomore	Business Administration	Worcester, Mass.
O'Donnell, James P.	Sophomore	Arts	Clinton, Mass.
O'Donnell, John C.	Junior	Arts	W. Springfield, Mass.
O'Flaherty, Richard E.	Sophomore	Social Science	Roslindale, Mass.
Ogden, Arthur E., Jr.	Sophomore	Biology	Atlantic, Mass.
O'Hara, John E.	Junior	Education	Mooers, N. Y.
O'Hare, Robert J.	Senior	Arts	Charlestown, Mass.
O'Keefe, Daniel P.	Sophomore	Arts	Worcester, Mass.
O'Keefe, Daniel F.	Senior	Arts	North Creek, N. Y.
O'Leary, Adrian P.	Junior	Arts	So. Boston, Mass.
O'Leary, Donald F.	Sophomore	Arts	Worcester, Mass.
O'Leary, Edward C.	Senior	Arts	Bangor, Me.
O'Leary, James H.	Senior	Education	Worcester, Mass.
O'Leary, James J.	Freshman	Social Science	Salem, Mass.
O'Leary, Paul V.	Freshman	Biology	Worcester, Mass.
O'Leary, Robert E.	Freshman	Arts	Worcester, Mass.
O'Loughlin, John J.	Sophomore	Biology	Howard Beach, N. Y.
O'Malley, Edward T.	Sophomore	Business Administration	Worcester, Mass.
O'Mara, Ollie E.	Sophomore	Arts	Kenosha, Wis.
O'Neil, Michael G.	Junior	Arts	Akron, O.
O'Neil, Ralph M.	Junior	Arts	Shaker Heights, O.
O'Neil, Robert A.	Senior	Business Administration	Akron, O.
O'Neil, Thomas L.	Freshman	Arts	Westfield, Mass.
O'Neil, William C., Jr.	Junior	Arts	Worcester, Mass.
O'Neill, Edward F.	Sophomore	History	Moodus, Conn.
O'Neill, John J.	Freshman	Business Administration	New Haven, Conn.
O'Neill, William E.	Senior	Education	Lowell, Mass.
O'Reilly, Philip G.	Freshman	Business Administration	Teaneck, N. J.
Orfanello, Francis X.	Freshman	History	Dorchester, Mass.
O'Riordan, Edmund M.	Freshman	Business Administration	Jamaica Plain, Mass.
Osachuk, Leon M.	Junior	Arts	Milford, Mass.
Osborn, Howard P.	Freshman	Arts	Worcester, Mass.
Osborne, James E.	Senior	Arts	Worcester, Mass.
O'Shaughnessy, Edward J.	Junior	Biology	Ridgewood, N. J.
O'Shea, Robert J.	Freshman	Business Administration	Arlington, Mass.
O'Sullivan, Francis G.	Sophomore	Arts	Woburn, Mass.
O'Toole, John J., Jr.	Junior	Arts	Clinton, Mass.
Ouellette, Leo L.	Junior	Education	Lawrence, Mass.
Owens, James M.	Senior	Chemistry	Glens Falls, N. Y.
Ozimek, Henry A.	Sophomore	Arts	Worcester, Mass.
Pacosa, Alphonse S.	Junior	Arts	Easthampton, Mass.
Palano, Joseph T.	Freshman	Physics	South Barre, Mass.

Paletta, Julio A.	Freshman	History	Millbury, Mass.
Palmer, Willis L., Jr.	Sophomore	Arts	Auburn, Mass.
Panzica, Anthony J.	Freshman	Arts	Buffalo, N. Y.
Paradis, Donald G.	Sophomore	Arts	Webster, Mass.
Paranto, Frederic H.	Senior	Education	Dudley, Mass.
Parsons, Paul J.	Senior	Arts	Mattituck, N. Y.
Perreault, Lucien E., Jr.	Freshman	Arts	Waterbury, Conn.
Perry, Robert P.	Senior	Business Administration	Worcester, Mass.
Phalen, Robert M.	Freshman	Biology	Torrington, Conn.
Phelan, John V., Jr.	Freshman	Arts	Marblehead, Mass.
Philbin, John P.	Senior	Business Administration	Clinton, Mass.
Phillips, Robert S.	Sophomore	Arts	Milford, Mass.
Phipps, Paul M.	Junior	Arts	Hopkinton, Mass.
Pisarra, William J.	Sophomore	Arts	Brooklyn, N. Y.
Plasse, Paul E.	Sophomore	Chemistry	Webster, Mass.
Plotczyk, Raymond A.	Senior	Arts	South Vernon, Mass.
Poehner, Charles E., Jr.	Sophomore	Business Administration	W. Hartford, Conn.
Polachi, Charles A., Jr.	Junior	Chemistry	Worcester, Mass.
Pomerleau, Daniel L.	Senior	Business Administration	Miami, Fla.
Potenza, Joseph H.	Junior	Education	Medway, Mass.
Poulin, P. Richard	Junior	Arts	Brookline, Mass.
Powers, Charles J. W.	Sophomore	Social Science	Jamaica Plain, Mass.
Powers, Frank E., Jr.	Sophomore	Arts	Uxbridge, Mass.
Price, John J., Jr.	Freshman	Arts	Waterbury, Conn.
Price, Paul T.	Junior	Arts	Worcester, Mass.
Pringle, Walter F.	Freshman	Business Administration	North Adams, Mass.
Prout, Francis A.	Sophomore	Arts	Webster, Mass.
Pucko, Joseph J., Jr.	Senior	Arts	Fitchburg, Mass.
Puentes, Robert W. A.	Freshman	Arts	Hudson Heights, N. J.
Pullano, Joseph C.	Senior	Education	Providence, R. I.
Purcell, James F.	Freshman	Biology	Schenectady, N. Y.
Quigley, Joseph A.	Freshman	Business Administration	Larchmont, N. Y.
Quinn, James M.	Junior	Business Administration	Eric, Pa.
Quinn, John James	Senior	Arts	Lansford, Pa.
Quinn, John Joseph	Junior	Business Administration	Englewood, N. J.
Quinn, J. William	Junior	Arts	Springfield, Mass.
Quinn, Joseph P.	Junior	History	Worcester, Mass.
Quish, William P.	Sophomore	Arts	Manchester, Conn.
Racine, Leo I.	Senior	Business Administration	Worcester, Mass.
Rafferty, Edward T.	Junior	Arts	Lynn, Mass.
Rameaka, Frank R.	Freshman	Social Science	Providence, R. I.
Ramirez, Luis A.	Freshman	Biology	Ponce, P. R.

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Rapinchuk, Stanley D.	Junior	Arts	Worcester, Mass.
Reardon, Charles F.	Freshman	Business Administration	Malden, Mass.
Reardon, James N.	Freshman	Business Administration	Malden, Mass.
Reardon, William R.	Junior	Arts	Worcester, Mass.
Reeves, Henry C.	Freshman	Arts	Worcester, Mass.
Regan, Stanley J.	Sophomore	Business Administration	Somerville, Mass.
Regan, Warren J.	Sophomore	Business Administration	Somerville, Mass.
Reher, Raymond R.	Junior	Business Administration	New York, N. Y.
Reidy, James E.	Senior	Arts	Worcester, Mass.
Reilly, Bernard R.	Freshman	Arts	Worcester, Mass.
Reilly, Hugh J.	Sophomore	Arts	Long Beach, N. Y.
Reilly, James J., Jr.	Senior	Social Science	Newport, R. I.
Reilly, Joseph E.	Freshman	Business Administration	Taunton, Mass.
Reilly, Thomas F., Jr.	Senior	Business Administration	North Haven, Conn.
Reilly, Walter M.	Sophomore	Biology	Naugatuck, Conn.
Reinders, Erik C.	Junior	Arts	Boston, Mass.
Reynolds, Edward L.	Freshman	Social Science	East Haven, Conn.
Reynolds, John M.	Freshman	Social Science	Lowell, Mass.
Riedl, Joseph J.	Senior	Arts	Worcester, Mass.
Riedy, Thomas F., Jr.	Junior	Biology	Albany, N. Y.
Riel, Roy W. J.	Freshman	Arts	Springfield, Mass.
Rigney, Raymond I.	Freshman	Social Science	W. Roxbury, Mass.
Riley, Edward J., Jr.	Freshman	Business Administration	Salem, Mass.
Riley, James D.	Senior	Business Administration	Hopkinton, Mass.
Riley, James T.	Freshman	Chemistry	Burlington, Vt.
Riley, William A.	Sophomore	Arts	Hopkinton, Mass.
Ring, Robert D.	Junior	Biology	Haverhill, Mass.
Riopel, Albert L.	Freshman	Biology	Amesbury, Mass.
Riordan, Michael D.	Junior	Chemistry	Willimantic, Conn.
Roberts, Walter C.	Junior	Education	No. Andover, Mass.
Roche, Daniel S.	Junior	Business Administration	Old Lyme, Conn.
Roche, Walter F.	Junior	Arts	Fitchburg, Mass.
Roddy, Charles R.	Freshman	Arts	Fitchburg, Mass.
Roe, John E.	Freshman	Arts	Albany, N. Y.
Rogalin, Edward I.	Senior	Arts	New York, N. Y.
Rogalin, William A.	Freshman	Arts	New York, N. Y.
Rogers, L. Jerome	Freshman	Business Administration	Ridgewood, N. J.
Rogers, Peter J.	Junior	Business Administration	Portland, Me.
Rogers, William E.	Senior	Arts	Greenwich, N. Y.
Rojcewicz, Edward P.	Senior	Business Administration	Worcester, Mass.
Rojcewicz, Walter A.	Sophomore	Social Science	Worcester, Mass.
Rollo, Quintino	Freshman	Arts	Fitchburg, Mass.
Ross, John A., Jr.	Sophomore	Arts	Rockville Centre, N. Y.
Rosseel, Charles T.	Freshman	Arts	Worcester, Mass.

Rossetti, Paul P.	Freshman	Business Administration	Mendon, Mass.
Rousseau, Richard W.	Freshman	Arts	New Bedford, Mass.
Ruggiero, Joseph E.	Senior	Arts	New York, N. Y.
Rutledge, Edward M.	Freshman	Arts	Greenwich, N. Y.
Rutledge, William K.	Senior	Arts	Somerville, Mass.
Ryan, Charles L., Jr.	Senior	Business Administration	Haverhill, Mass.
Ryan, James E., Jr.	Sophomore	Business Administration	Worcester, Mass.
Ryan, John E.	Junior	Business Administration	Troy, N. Y.
Ryan, Joseph M.	Freshman	Arts	Utica, N. Y.
Ryan, Paul C.	Sophomore	Business Administration	Brookline, Mass.
Saab, Michael C.	Sophomore	Education	Springfield, Mass.
Saba, Francis L.	Senior	Social Science	Brockton, Mass.
Saccoccia, Theodore A.	Senior	Business Administration	Cranston, R. I.
Saiano, Peter	Junior	Arts	New Haven, Conn.
St. George, Paul W.	Senior	Arts	Newton, Mass.
Salatiello, Peter P.	Junior	Chemistry	E. Douglas, Mass.
Salmon, Edward A.	Freshman	Business Administration	Worcester, Mass.
Santaniello, Anthony A.	Senior	Business Administration	New London, Conn.
Sartorelli, William A.	Junior	Arts	Chelsea, Mass.
Sasso, Keith G.	Sophomore	Bus. Administration	St. Andrew, Jam., B.W.I.
Sasso, Neville A.	Sophomore	Bus. Administration	Half-Way-Tree, Jam., B.W.I.
Scanlon, John J., Jr.	Sophomore	Business Administration	Lynn, Mass.
Scavullo, Francis P.	Junior	Business Administration	Brooklyn, N. Y.
Scerra, Louis	Sophomore	Social Science	Gardner, Mass.
Schaefer, Richard A.	Senior	Arts	New Haven, Conn.
Schambach, Roland P.	Junior	Business Administration	So. Orange, N. J.
Schlitt, Robert J.	Sophomore	Arts	Jersey City, N. J.
Schmitz, Donald W.	Freshman	Business Administration	Huntington, N. Y.
Schroder, Hughes S.	Senior	Arts	Dunwoody, Ga.
Schrowang, Edward J.	Freshman	Business Administration	Kingston, N. Y.
Schum, Gerard J.	Freshman	Education	Belle Harbor, N. Y.
Scpla, John E.	Sophomore	Biology	Worcester, Mass.
Scondras, James P.	Junior	Education	Lowell, Mass.
Scott, Robert T.	Junior	Business Administration	So. Orange, N. J.
Senesac, Archibald E.	Senior	Biology	New Bedford, Mass.
Sexton, H. Craig	Freshman	Arts	Utica, N. Y.
Shanaphy, Joseph F.	Junior	Biology	Ridgewood, N. J.
Sharry, Francis P.	Junior	Arts	Worcester, Mass.
Sharry, John W.	Freshman	Business Administration	Worcester, Mass.
Shea, Daniel J., Jr.	Junior	Business Administration	Worcester, Mass.
Shea, George J.	Junior	Arts	Boston, Mass.
Shea, John F.	Senior	History	Dalton, Mass.
Shea, John J.	Junior	Arts	Worcester, Mass.

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Shea, Paul C.	Senior	Arts	Chicago, Ill.
Shea, Roger McK.	Junior	Arts	Orange, Mass.
Shea, Thomas F.	Junior	Arts	Dorchester, Mass.
Sheehan, Charles E., Jr.	Junior	Business Administration	Leominster, Mass.
Sheehan, James P.	Sophomore	Social Science	Brockton, Mass.
Sheeran, John P.	Senior	Business Administration	New Rochelle, N. Y.
Shelbourne, William W., Jr.	Freshman	Business Administration	Nutley, N. J.
Shelley, Joseph E., Jr.	Junior	Arts	Fall River, Mass.
Sherwood, Robert W.	Freshman	Social Science	Bridgeport, Conn.
Shields, John R.	Freshman	Business Administration	Ansonia, Conn.
Shine, Louis M., Jr.	Senior	Arts	Brooklyn, N. Y.
Shortt, Robert F.	Freshman	Business Administration	Waterbury, Conn.
Shortsleeve, Joseph F.	Senior	Business Administration	Elmira, N. Y.
Shults, Richard H.	Junior	Arts	Batavia, N. Y.
Signorelli, Andrew G.	Freshman	Biology	Brooklyn, N. Y.
Simpson, William G.	Freshman	Chemistry	Chicago, Ill.
Sinclitico, Lawrence A.	Sophomore	Business Administration	Lawrence, Mass.
Singleton, Benjamin J.	Junior	Arts	Troy, N. Y.
Sireci, Vincent T.	Junior	Business Administration	Brooklyn, N. Y.
Sliney, Ronald F.	Sophomore	Arts	W. Roxbury, Mass.
Smith, Alexander C.	Freshman	Biology	Manhasset, N. Y.
Smith, Alex W., Jr.	Freshman	Business Administration	Atlanta, Ga.
Smith, Frank R.	Sophomore	Business Administration	Newton, Mass.
Smith, James A., Jr.	Sophomore	Arts	Atlanta, Ga.
Smith, James C. G.	Freshman	Business Administration	Rome, N. Y.
Smith, James T.	Junior	Business Administration	New Haven, Conn.
Smith, Robert W.	Junior	Business Administration	Concord, N. H.
Smith, Roger F.	Junior	Arts	Manhasset, N. Y.
Smyth, Lawrence T. C.	Junior	Biology	Allentown, Pa.
Soloperto, John F.	Freshman	Arts	Worcester, Mass.
Soulliere, Paul E.	Junior	Business Administration	Worcester, Mass.
Spaulding, James V. F.	Senior	Arts	Worcester, Mass.
Spillane, Timothy J.	Senior	Arts	Roxbury, Mass.
Sponzo, Michael T.	Sophomore	Arts	W. Hartford, Conn.
Stafford, Elmer R.	Sophomore	Business Administration	Fall River, Mass.
Stample, Raymond E.	Freshman	Social Science	New Haven, Conn.
Stanard, James J., Jr.	Junior	Arts	Cleveland, O.
Stangoni, Carlo D.	Freshman	Social Science	Plattsburg, N. Y.
Stapor, Joseph J.	Sophomore	Biology	Derby, Conn.
Staruk, Edward F.	Junior	Social Science	Worcester, Mass.
Stavros, George	Freshman	Arts	Worcester, Mass.
Still, George J.	Freshman	Chemistry	Bradford, Pa.
Stodder, John W.	Freshman	Business Administration	Highland Park, Ill.
Stokes, Edward J.	Freshman	Chemistry	Waterbury, Conn.

Sullivan, Andrew J.	Junior	Arts	Worcester, Mass.
Sullivan, Daniel W.	Freshman	History	Framingham, Mass.
Sullivan, Francis I., Jr.	Senior	Arts	Melrose, Mass.
Sullivan, Frank D., Jr.	Junior	Arts	Laconia, N. H.
Sullivan, James D.	Freshman	Arts	Springfield, Mass.
Sullivan, John F., Jr.	Sophomore	Arts	Beverly, Mass.
Sullivan, Kenneth E.	Sophomore	Arts	New Rochelle, N. Y.
Sullivan, Paul F.	Junior	Arts	Lowell, Mass.
Sullivan, Paul V.	Senior	Arts	Worcester, Mass.
Sullivan, Peter B.	Freshman	Arts	W. Hartford, Conn.
Sullivan, Raymond J.	Freshman	Business Administration	Framingham, Mass.
Sullivan, Robert J.	Freshman	Education	No. Andover, Mass.
Sullivan, Thomas E.	Junior	Arts	Worcester, Mass.
Sullivan, Thomas F., Jr.	Sophomore	Arts	Cambridge, Mass.
Sullivan, Thomas H.	Senior	Education	No. Andover, Mass.
Sullivan, Thomas J.	Sophomore	Arts	Franklin, N. H.
Summa, Joseph P.	Senior	Biology	Waterbury, Conn.
Sunega, Edward S.	Freshman	Chemistry	Rockville, Conn.
Swager, Leonard H., Jr.	Senior	Arts	Uxbridge, Mass.
Swan, Edward J.	Senior	Arts	Worcester, Mass.
Swan, John V.	Freshman	Social Science	Worcester, Mass.
Sweeney, Francis P.	Sophomore	Business Administration	Hartford, Conn.
Sweeney, John J.	Junior	Social Science	Peabody, Mass.
Sweeney, Martin B.	Junior	Arts	Fitchburg, Mass.
Sweeney, Patrick F., Jr.	Sophomore	Arts	Gt. Barrington, Mass.
Sweeney, William C.	Junior	Arts	Fitchburg, Mass.
Sweeny, Robert S.	Freshman	Arts	Dunkirk, N. Y.
Swiacki, William A.	Freshman	Education	Southbridge, Mass.
Swords, John P.	Junior	Arts	Springfield, Mass.
Tellson, James R.	Freshman	Business Administration	So. Orange, N. J.
Thayer, Leo C., Jr.	Senior	History	Worcester, Mass.
Therrien, Paul R.	Freshman	Physics	Worcester, Mass.
Thompson, John M.	Freshman	Chemistry	No. Merrick, N. Y.
Tirrell, Ralph Jr.	Junior	Arts	Quincy, Mass.
Titus, George T.	Sophomore	Arts	Brooklyn, N. Y.
Tobin, John C.	Freshman	Business Administration	Albany, N. Y.
Todino, Dominic E.	Senior	Business Administration	So. Barre, Mass.
Todino, Joseph S.	Freshman	Business Administration	So. Barre, Mass.
Tolin, Edward M.	Freshman	Business Administration	Scarsdale, N. Y.
Tolin, Thomas S.	Freshman	Business Administration	Scarsdale, N. Y.
Tomasiello, Anthony N.	Junior	Arts	Worcester, Mass.
Tomasiello, Frank R.	Junior	Business Administration	Meriden, Conn.
Tordiglione, Henry J.	Sophomore	Business Administration	Framingham, Mass.

STUDENT DIRECTORY

Towle, Matthew H.	Junior	Arts	Lynn, Mass.
Tracy, Harker E.	Senior	Arts	Fort Mitchell, Ky.
Tracy, Thomas H.	Freshman	Chemistry	Worcester, Mass.
Trebbe, Charles F., Jr.	Sophomore	Business Administration	Middletown, Conn.
Troy, William A., Jr.	Senior	Arts	Jamaica Plain, Mass.
Truland, Daniel J., Jr.	Freshman	Chemistry	Lancaster, N. H.
Trzcinski, Stanley J.	Sophomore	Arts	Worcester, Mass.
Turner, Richard E.	Junior	Business Administration	Amsterdam, N. Y.
Tyler, John E., Jr.	Sophomore	Arts	Worcester, Mass.
Tynan, Robert L.	Freshman	Business Administration	Cambridge, Mass.
Vacca, Robert A.	Sophomore	Education	Worcester, Mass.
Vaccarelli, Andrea V.	Senior	Chemistry	Danbury, Conn.
Valentine, Charles W.	Freshman	Biology	Bayville, N. Y.
Vancour, Roger P.	Junior	Physics	No. Oxford, Mass.
Vatter, Paul A.	Freshman	Arts	Roslindale, Mass.
Vickery, Richard F.	Freshman	Arts	Manchester, N. H.
Vigneault, John G.	Sophomore	Physics	Springfield, Mass.
Vocell, Ernest T., Jr.	Junior	History	Billerica, Mass.
Waickman, Francis J.	Freshman	Arts	Akron, O.
Walber, John W.	Sophomore	History	New Lebanon, N. Y.
Walsh, Edward A.	Senior	Arts	Portland, Me.
Walsh, Edward J.	Junior	Business Administration	Belmont, Mass.
Walsh, Francis W.	Senior	Arts	Newport, R. I.
Walsh, John J., Jr.	Senior	Arts	Jamaica Plain, Mass.
Walsh, Joseph P.	Junior	Arts	Fitchburg, Mass.
Walsh, Patrick B.	Freshman	Arts	Marquette, Mich.
Walsh, William C.	Freshman	Business Administration	Belmont, Mass.
Walsh, William J.	Freshman	Physics	Westboro, Mass.
Walter, John J.	Freshman	Arts	Meriden, Conn.
Ward, Joseph E.	Freshman	Business Administration	Houlton, Me.
Ware, George W.	Senior	Arts	Clinton, Mass.
Wassgatt, Amos E., Jr.	Sophomore	Business Administration	Worcester, Mass.
Wasilewski, Chester J.	Sophomore	Education	Wilkes-Barre, Pa.
Watson, Kenneth R.	Freshman	Physics	Ridgewood, N. J.
Weitekamp, Daniel P.	Sophomore	Business Administration	Brooklyn, N. Y.
Whelan, William P., Jr.	Junior	Arts	Brooklyn, N. Y.
Whitney, Paul J.	Freshman	Business Administration	Melrose, Mass.
Whitney, William D.	Junior	Business Administration	Melrose, Mass.
Whittemore, James P.	Senior	Arts	Somerville, Mass.
Wholley, Francis G.	Sophomore	Arts	Malden, Mass.
Wickman, Paul P.	Freshman	Education	Kew Gardens, N. Y.
Wilkinson, Harvey E.	Freshman	Business Administration	Amsterdam, N. Y.

Williams, E. Roy	Senior	Education	Boston, Mass.
Williams, John J.	Junior	Arts	Brockton, Mass.
Willis, Stephen J.	Junior	Social Science	W. Englewood, N. J.
Winchester, Walter F.	Junior	Business Administration	Worcester, Mass.
Wise, Robert K.	Sophomore	Biology	Detroit, Mich.
Wizbicki, Alexander J.	Freshman	Education	Brooklyn, N. Y.
Wolff, Herman Jr.	Freshman	Chemistry	Raleigh, N. C.
Wood, William L.	Senior	Arts	Worcester, Mass.
Woodtke, Frederick J.	Freshman	Arts	Meriden, Conn.
Wright, Robert F.	Junior	Biology	Brockton, Mass.
Yablonski, Chester W.	Sophomore	Education	Gardner, Mass.
Yabrosky, Joseph T.	Sophomore	Arts	Unionville, Conn.
Yurkiewicz, Edward F.	Freshman	Arts	Worcester, Mass.
Zeno, Joseph	Senior	Education	Waltham, Mass.
Zewe, M. Donald	Freshman	Arts	Buffalo, N. Y.
Zimmermann, George M.	Freshman	Arts	Buffalo, N. Y.

Registration—September 1941	1230
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GEOGRAPHICAL DISTRIBUTION OF THE STUDENT BODY,
SEPTEMBER 1941 1230

Arkansas	1	New Hampshire	18
Colorado	1	New Jersey	52
Connecticut	136	New York	233
Florida	2	North Carolina	2
Georgia	7	Ohio	16
Illinois	22	Pennsylvania	20
Indiana	1	Rhode Island	31
Iowa	2	Vermont	7
Kentucky	2	Virginia	2
Maine	21	Wisconsin	11
Maryland	8	Hawaii	1
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