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HOLY CROSS COLLEGE CATALOGUE

NINETY-FOURTH YEAR

July, 1937



Worcester, Massachusetts
Volume XXXVII

Corporate Title:
*"The Trustees of the College of the Holy Cross
in the city of Worcester."*

Contents

COLLEGE CALENDAR	7
OFFICERS OF ADMINISTRATION	10
FACULTY	11
INCORPORATION	17
AFFILIATIONS	19
THE COLLEGE	20
BUILDINGS AND EQUIPMENT	21
EDUCATIONAL SYSTEM	27
THE COLLEGE YEAR	32
GENERAL REGULATIONS	33
ADMISSION	43
REQUIREMENTS FOR DEGREES	63
OUTLINE OF COURSES	77
MASTER OF SCIENCE DEGREE	119
FEES AND EXPENSES	122
SCHOLARSHIPS	127
COMMENCEMENT, 1937	133
DEGREES CONFERRED	134
AWARDS, 1937	142
COLLEGE ORGANIZATIONS	145
COLLEGE PUBLICATIONS	150
JESUIT EDUCATIONAL ASSOCIATION	151
COLLEGE DIRECTORY	152
INDEX	184

CALENDAR

SEPT. '37 — JUNE '38

SEPT. '38 — JUNE '39

SEPTEMBER.							FEBRUARY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	1	2	3	4	5
5	6	7	8	9	10	11	6	7	8	9	10	11	12
12	13	14	15	16	17	18	13	14	15	16	17	18	19
19	20	21	22	23	24	25	20	21	22	23	24	25	26
26	27	28	29	30	27	28
..
OCTOBER.							MARCH.						
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3	4	5	6	7	8	9	6	7	8	9	10	11	12
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31
NOVEMBER.							APRIL.						
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DECEMBER.							MAY.						
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JANUARY.							JUNE.						
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SEPTEMBER.							FEBRUARY.							
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DECEMBER.							MAY.							
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29	30	31	25	26	27	28	29	30	..	
..	

COLLEGE CALENDAR

1937

- Thursday, Sept. 16. Entrance Examinations.
- Friday, Sept. 17. Entrance Examinations.
- Saturday, Sept. 18. Registration, Freshman Class.
- Monday, Sept. 20. Examinations for removal of conditions. Registration, Sophomore Class. First meeting of Freshman Class.
- Tuesday, Sept. 21. Examinations for removal of conditions. Registration, Junior Class. First meeting of Sophomore Class.
- Wednesday, Sept. 22. Examinations for removal of conditions. Registration, Senior Class. First meeting of Junior Class.
- Thursday, Sept. 23. First meeting of Senior Class.
- Monday, Sept. 27. Formal opening of the college year with Solemn High Mass in St. Joseph's Memorial Chapel.
- Tuesday, Oct. 12. Columbus Day; holiday.
- Monday, Oct. 18. Annual Retreat begins.
- Friday, Oct. 22. Annual Retreat ends at 9 A. M.
- Saturday, Oct. 23. Retreat holiday.
- Monday, Nov. 1. Feast of All Saints. Holy day and holiday.
- Thursday, Nov. 11. Armistice Day; holiday.
- Saturday, Nov. 13. Marks for the First Quarter close.
- Wednesday, Nov. 24. Thanksgiving holidays begin after the third period.
- Monday, Nov. 29. Thanksgiving holidays end for all classes at 9 A. M.
- Wednesday, Dec. 8. Feast of the Immaculate Conception. Holy day and holiday.

- Tuesday, Dec. 21. Christmas holidays begin at 9:50 A. M.
1938
- Monday, Jan. 3. Christmas holidays end for all classes.
Semester examination in English Composition
for Sophomore and Freshman Classes; quar-
terly examination in Religion for Senior and
Junior Classes, 9 A. M.
- Friday, Jan. 21. Marks for the Second Quarter close.
- Saturday, Jan. 22.—Saturday, Jan. 29. Examination period.
- Monday, Jan. 31. Semester holiday.
- Tuesday, Feb. 1. Second semester begins.
- Wednesday, Feb. 16. Senior-Junior Prize Debate, 8 P. M.
- Tuesday, Feb. 22. Washington's Birthday; holiday.
- Tuesday, Mar. 1. Sophomore-Freshman Prize Debate, 8 P. M.
- Wednesday, Mar. 2. Ash Wednesday.
- Friday, Mar. 4. Annual Home Concert of the Musical Clubs.
- Saturday, Mar. 12. Marks for the Third Quarter close.
Announcement of subjects for prize essays.
- Friday, Mar. 18. Oratorical Contest, 8 P. M.
- Wednesday, Apr. 13. Easter holidays begin at 9:50 A. M.
- Friday, Apr. 15. Good Friday.
- Sunday, Apr. 17. Easter Sunday.
- Tuesday, Apr. 19. Patriots' Day.
- Monday, Apr. 25. Easter holidays end for all classes.
- Monday, May 2. Trial contest for commencement speakers.
- Saturday, May 7. Marks for the Fourth Quarter close for Senior
and Junior Classes.
- Monday, May 9.—Monday, May 16. Final written examination
period, Senior and Junior Classes.
- Monday, May 23. Oral examinations in Philosophy begin.
- Thursday, May 26. Feast of the Ascension. Holy day and holiday.

COLLEGE CALENDAR

9

- Friday, May 27. Marks for the Fourth Quarter close for Sophomore and Freshman Classes.
- Friday, May 27.—Wednesday, June 1. Final examination period, Sophomore and Freshman Classes.
- Monday, May 30. Memorial Day.
- Thursday, June 2. Senior Retreat.
- Sunday, June 5. Baccalaureate Sermon, 8 P. M.
- Tuesday, June 7. Alumni Day.
- Wednesday, June 8. Commencement.

OFFICERS OF ADMINISTRATION

VERY REV. FRANCIS J. DOLAN, S.J., President

REV. JOSEPH F. SULLIVAN, S.J., Dean

REV. JOHN J. REED, S.J., Dean of Men

REV. J. JOSEPH REILLY, S.J., Treasurer

REV. JOHN F. COX, S.J., Dean of Sophomores and Freshmen

REV. LOUIS HALLIWELL, S.J., Administrator

*REV. WILLIAM H. A. COYLE, S.J., Chaplain

REV. BERNARD V. SHEA, S.J., Faculty Librarian

IRVING T. McDONALD, A.B., Librarian

*Died: July 7, 1937.

THE FACULTY

1936-1937

VERY REV. FRANCIS J. DOLAN, S.J. <i>President</i>	Fenwick Hall
REV. JOSEPH D. AHEARN, S.J. <i>Professor of Latin</i>	Fenwick Hall
OLIER L. BARIL, M.S. <i>Assistant Professor of Chemistry</i>	91 Eureka St.
REV. THOMAS F. BARRETT, S.J. <i>Professor of Religion</i>	O'Kane Hall
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J. EDWARD BOUVIER, M.A. <i>Director of Music</i>	22 Lenox St.
WILLIAM F. BOWEN, M.A. <i>Assistant Professor of French</i>	5 St. Elmo Rd.
REV. JAMES L. BRENNAN, S.J., <i>Professor of English</i>	Alumni Hall
CHARLES E. BUCKLEY, S.J. <i>Assistant Professor of Greek</i>	Fenwick Hall
WILLIAM F. BURNS, S.J. <i>Assistant Professor of Physics</i>	Fenwick Hall
REV. JOSEPH F. BUSAM, S.J. <i>Professor of Biology</i>	Beaven Hall
HENRY J. BUTLER, S.J. <i>Professor of Latin Composition</i>	Fenwick Hall
THOMAS J. CAHILL, S.J. <i>Assistant Professor of History</i>	Fenwick Hall

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<i>Professor of Spanish</i>	
AUGUST P. CERVINI, A.B.	243 Mower St.
<i>Instructor in Greek</i>	
GEORGE J. CHAREST, M.S.	138 Richmond Ave.
<i>Assistant Professor of Chemistry</i>	
JOHN K. CHENIS, B.S.	4 Vernon Ter.
<i>Instructor in Mathematics</i>	
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REV. JOHN F. COX, S.J.	Fenwick Hall
<i>Dean of Sophomores and Freshmen</i>	
*REV. WILLIAM H. A. COYLE, S.J.	
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<i>Instructor in Biology</i>	
JAMES D. CROWLEY, S.J.	Fenwick Hall
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CORNELIUS S. DONOGHUE, M.A.	722 Pleasant St.
<i>Assistant Professor of Economics</i>	
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<i>Professor of Education</i>	
FRANCIS A. DRUMM, A.B.	56 Paine St.
<i>Professor of English</i>	

*Died: July 7, 1937.

THE FACULTY

13

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LEO J. GUAY, S.J. <i>Instructor in Chemistry</i>	Fenwick Hall
CECIL J. HAGGERTY, PH.D. <i>Professor of Chemistry</i>	95 Eureka St.
REV. LOUIS HALLIWELL, S.J. <i>Administrator</i>	Fenwick Hall
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REV. JOHN H. HUTCHINSON, S.J. <i>Associate Professor of Philosophy</i>	Beaven Hall

*Died: Jan. 31, 1937

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Registrar
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Professor of Education
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Professor of Physics
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Assistant Professor of History
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Instructor in Economics
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Professor of Religion
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Professor of Latin
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Librarian; Assistant Professor of English
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Professor of Physics
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Assistant Professor of English
- REV. MYLES A. McLOUGHLIN, S.J. Fenwick Hall
Chaplain
- FRANCIS B. McMANUS, S.J. Fenwick Hall
Assistant Professor of English

THE FACULTY

15

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Bursar
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Assistant Professor of Physics
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Associate Professor of Philosophy
- REV. JOHN J. MURPHY, S.J. Fenwick Hall
Examiner in Philosophy
- REV. JOSEPH T. MURPHY, S.J. Fenwick Hall
Professor of French
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Professor of Greek
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Assistant Professor of Physics
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Assistant in Office of Discipline
- JOSEPH V. O'DRAIN, A.B. 10 Hitchcock Rd.
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- J. LEO O'GORMAN, A.B. 21-A Kingsbury St.
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Secretary to the President
- REV. TIMOTHY J. PHELAN, S.J. Fenwick Hall
Faculty Moderator of Athletics
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Professor of Mathematics
- FRANCIS X. POWERS, M.A. 28 Tirrell St.
Professor of Economics

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<i>Assistant Dean of Men</i>	
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<i>Dean of the College</i>	
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<i>Professor of Chemistry</i>	
REV. RUSSELL M. SULLIVAN, S.J.	Fenwick Hall
<i>Professor of Religion</i>	
JAMES J. TANSEY, M.A.	18 Hancock St.
<i>Assistant Professor of Chemistry</i>	
JOHN M. TIERNAN, S.J.	Fenwick Hall
<i>Assistant Professor of English</i>	
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REV. JOSEPH R. WALSH, S.J.	Loyola Hall
<i>Professor of Ethics</i>	
REV. JOHN E. WELCH, S.J.	Beaven Hall
<i>Professor of Psychology</i>	

Ninety-fourth 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 em-

powered 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.

AFFILIATIONS

Holy Cross College is affiliated with the Catholic Educational Association, 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, and The Regents of the University of the State of New York.

The Faculty of Holy Cross College is associated with The Classical Association of New England, The American Mathematical Association, The American Physical Society, The American Chemical Society, and the Associations of Librarians of America.

THE COLLEGE

THE College of the Holy Cross was founded in the year 1843 by the Rt. 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 Pakachoag, "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 two centuries the invigorating pattern of continental education, Bishop Fenwick invited the founders of that system, the Fathers of the Society of Jesus, 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 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 Rt. 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.

BUILDINGS AND EQUIPMENT

The College campus contains sixty 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 more than 196,000. Over and beyond its many towers and spires, the summit of Mt. Wachusett looms high against the northern horizon.

During the last decade there have been added to the campus four fine structures, St. Joseph's Chapel, Dinand Library, Loyola Hall and Kimball Hall.

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

Fenwick Hall 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 and second floors, by the faculty refectories, while the upper part of the building contains the Sodality 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. 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. 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. O'Kane Hall also houses the capacious assembly hall, among the features of which is 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.

Alumni Hall, which the generosity of former students made it possible to erect in 1905, is a thoroughly modern, fireproof building, the upper floors of which contain nearly one hundred private living rooms available for residence to members of the sophomore class. The rest of the building is devoted to the purposes of the Physics Department. Here are situated the lecture theatre, apparatus room,

museum 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 Rt. 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 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 general knowledge of the field for cultural purposes.

Loyola Hall is the newest of the dormitory buildings, having opened its doors for the first time in 1922. Its location and design make it an architectural companion of Alumni Hall. The one hundred living rooms that are located on the three upper floors are reserved for members of the senior class. Nine large classrooms occupy the lower floors.

Dinand Library situated on the terraced slope between O'Kane and Beaven Halls, exemplifies the best tradition of the architecture of the Italian Renaissance. Dedicated in November, 1927, it is already accorded a prominent place among establishments of its kind. The number of volumes owned and available approximates 113,000 and they represent to a satisfactory degree, every major classification of the Library of Congress, according to which system the Holy Cross collection is being catalogued. Hundreds of classified pamphlets 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 253,897 cards for the 85,504 volumes catalogued up 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. Nearly 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 Societies to membership in one or other of which every student is eligible.

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 three Cataloguers. 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 visits each section of 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.

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. This building also incorporates the heating plant and laundry.

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, handball 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 three sides by stadia seating nearly 20,000. Freshman Field and Alumni Field are suitable for practice and for the games of the junior teams. The plateau that crowns the hill south of the College buildings is laid out in diamonds and gridirons for intra-mural contests, in which the majority of undergraduates participate.

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 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 and differ only in those respects with which education is not concerned. 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 inex-

perienced 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, general science, logic, psychology, ethics and religion as the best basis for any profession or for further intellectual training in any direction.

This system, employed substantially in over two hundred and twenty-five colleges, 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 immediately 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.

MORAL 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 itself contains no power that can form or sustain character. Only when

it is occupied with the entire man, Body, Intellect and Soul, and with man's entire life, the present and future, does education attain its ultimate end.

We reject that view which limits the scope of education 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.

THE COLLEGE YEAR

THE College Year begins in September and is continuous throughout two semesters of approximately sixteen weeks each. 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 February, 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, and the mid-year examination holiday.

GENERAL REGULATIONS

Medical Certificate. Before attending any of the college classes, each student must file in the Office of the Director of Admissions a certified statement of good health from his physician.

Student Health Service. In return for the student health service fee, medical service for all students is maintained, with the following privileges:

1. Consultation with the College Physician daily, if necessary.

2. All visits by the College Physician while the student is confined in the College infirmary.

3. Board, lodging and nursing at the College infirmary. The nursing includes the services of the nurse regularly employed by the College but does not include the employment of special nurses. The latter, if employed, must be paid for by the student. In case the College infirmary is filled to capacity, the College is not under obligation to provide hospital service elsewhere free of cost.

4. No student is required to patronize the College Physician. But with the permission of the College Director of Health and at the expense of his parents, a student may consult any physician whom his parents designate. In all cases, medicines will be paid for by the student. The College cannot furnish special diets to students who may require such treatment.

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, handball and basketball courts and a temporary gymnasium. Not only are physical instructors and experienced coaches and trainers provided, but all this is under the supervision and direction of a member of the faculty, who will see that the students do not become so engrossed in athletics that their studies may be neglected or their health suffer in any way. 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 Room 11, O'Kane Hall, on the third Saturday of September (September 18, 1937) and fill out enrollment cards for the whole of the ensuing year. A receipt from the Treasurer for payment of first semester bill must be presented to the Registrar. All Freshmen entering the College for the first time must present at or before the time of registration all credentials essential for admission.

All Sophomore students must report for enrollment on the Monday preceding the formal opening of the first semester (September 20, 1937).

All Junior students must report for enrollment on the Tuesday preceding the formal opening of the first semester (September 21, 1937).

All Senior students must report for enrollment on the Wednesday preceding the formal opening of the first semester (September 22, 1937).

Senior, Junior and Sophomore students must report to the Registrar in Room 11, O'Kane Hall, on the appointed days and fill out enrollment cards for the whole of the ensuing year. A receipt from the Treasurer for payment of first semester bill must be presented to the Registrar.

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

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

In May, all undergraduates must obtain at the Registrar's Office registration blanks for elective courses. These blanks must be filled out with elective courses chosen for the following year and returned not later than June first. For failure to comply with this rule a fee of five dollars will be charged.

Changes in elective courses may be allowed only with the approval of the Dean. Requests for changes in September should be filed with the Registrar before September first. Requests for changes for the second semester should be filed before the beginning of the first semester examinations, unless requests are the results of failures, in which case they must be presented to the Registrar not later than five days after the beginning of the second semester.

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 at least eighty-five per cent of the classes in which he is enrolled including elective lectures on subjects intimately connected with classroom

study and all chapel exercises. Students who absent themselves from more than fifteen per cent of the scheduled classes in any subject during a semester forfeit credit for that subject. 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.

No "Cuts" 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. Excused absences must be requested prior to the day of absence or, in the case of illness, on the student's return to class. A student excused by the Dean is exempted only from the disciplinary penalty attached to class absence, not from the regulation with reference to the class attendance requirement.

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

An absence from a class exercise during the 24 hours preceding or following a vacation or holiday will be recorded as two absences.

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.

Dormitory Accommodations. In the College dormitories there are accommodations for eight hundred students.

Distribution of rooms for Freshmen will be made according to the scholastic merits of candidates, determined from high school records and entrance examinations.

Students registering at the College for the first time should, upon receipt of notification of acceptance from the Committee on Admissions, forward a fee of twenty-five dollars in order to insure room space on the campus.

Students who obtain the permission of the Dean of Men to reside at the college during the Christmas and Easter vacations will be obliged to pay an additional fee for this accommodation.

Extra Courses. A student either in 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.

Senior and Junior students in good standing may register, with the permission of the Dean, for at least one extra course, providing the additional course fee is paid.

Credit Hours. In accordance with the ruling of the Association of American Universities and Colleges: "A Semester Hour represents a course which meets once a week throughout the Semester." (Robertson, p. 36.)

A Semester Hour Credit is the standard educational recognition given for a Semester Hour in any given subject; that is to say, a Semester Hour Credit in a given subject signifies that that subject has been taken by the student for a Semester Hour. Thus, if a student takes a course for one class period per week during one Semester, he is allowed one Semester Hour Credit; if he takes the same course for two Semesters, he receives two Semester Hours Credit; if the course is conducted for four periods per week during one Semester, he receives four Semester Hours Credit; if he takes this course for a year, he is allowed eight Semester Hours Credit. In ordinary lecture courses, the class period should be of at least fifty minutes duration; in cases in which the class period is conducted in the style of a conference or seminar, the period should be longer, or a greater number of them will be 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.

Since there is a minimum of fifteen weeks of class in each Semester, it follows that a Semester Hour Credit in any subject represents the completion of fifteen class periods in any given subject, or their equivalent in conference or seminar periods, or thirty periods of laboratory work. Repetitions in class, written examinations, "Quiz"

sessions and the like are not included in the computation of Semester Hours Credit.

No student may expect to receive credit for any semester work until his financial obligations to the College have been fulfilled.

Grading. The following grading system is in effect: 60 per cent. (passing grade), 75 per cent. (recommendation grade), 85 per cent. (honor grade).

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 make application in writing to the Dean on the day he withdraws from College.
3. All financial indebtedness must be settled with the College.

Requirements for Graduation. The College awards the following degrees: Bachelor of Arts with Honors, Bachelor of Arts without Honors, Bachelor of Science in Biology, Bachelor of Science in Chemistry, Bachelor of Science in Physics, Bachelor of Science in Economics, Bachelor of Science in Education, Bachelor of Science in History. All candidates for these degrees are required to complete the prescribed courses of study, and to complete at least the work of senior year in residence.

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.

College Bookstore. All books and all other classroom supplies may be purchased at the College Bookstore. No credit is allowed at the Bookstore. Each student must be prepared to pay cash for all necessary books, stationery and other articles.

Reports. Reports containing the grades in each subject are mailed four times a year to the parents or guardians of all students. Students with low grades are warned and their parents notified of their low standing by special letters sent from the Dean of the College.

SCHOLASTIC REGULATIONS

Examinations. A general written examination in all courses is held toward the close of each semester. However, written examinations are held more frequently in philosophy. The final written examination in all philosophical treatises is always preceded by preliminary papers.

The passing mark is 60 per cent for all final written examinations in all courses except the Bachelor of Arts Honors Course. In the Honors Course a grade of 80 per cent must be attained in the thirteen major courses and a grade of 70 per cent in at least three-fifths of the minor courses. Students in the Honors Course who fail to meet these requirements may be recommended for a Bachelor of Arts degree without Honors.

Absence from a final examination is regarded as a failure unless antecedently excused by the Dean. In such cases the highest obtainable mark in the postponed examination will be 60 per cent.

All students must receive a passing grade in the final written examinations.

Students failing to receive a grade of 60 per cent in any final examination will be given an opportunity to take a second examination in the subject two weeks after the reading of marks. **This regulation is not applicable to students who fail final examinations in Philosophy.** Absence from a second examination does not entitle the student to a third examination unless the Dean approves. Those who fail to obtain 60 per cent. in the second examination incur semester failures.

Second examinations in philosophy are allowed only to students with excused absences or to students who failed in the first examination but whose average for the preliminary papers is 60 per cent. Those who fail to obtain a passing grade of 60 per cent in the second examination incur treatise failures.

In addition to written examinations, oral examinations in philosophy are also held in June of each year.

To be recommended for a degree, a student in Senior class must pass at the close of Senior year an oral examination in Philosophy, including the courses of Junior and Senior years. Only two examinations are allowed. A second failure will necessitate the repetition of the entire Senior year's work in Philosophy.

To be eligible for promotion to Senior class, each Junior student must pass at the close of Junior year an oral examination in the year's work in Philosophy. To be eligible for the philosophy oral examination, each student must present written credits for the four treatises covered during the year. Only two oral examinations are allowed. A second failure will necessitate the repetition of the entire Junior year's work in Philosophy.

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

Semester Failures. Semester failures are incurred by students who fail to attain an average of 60 per cent in any subject for the semester (the semester average is calculated in the following manner:—the quarterly marks count sixty-six and two-thirds per cent. and the written semester examinations, thirty-three and one-third per cent.) or who fail for the second time either the written or the oral examinations.

Semester failures, except those incurred by second examination failures, may be removed by passing a comprehensive examination in the semester's work.

Semester failures incurred by second examination failures may be removed only by a repetition of the subject in regular course.

Treatise failures in Philosophy must be removed either by a repetition of the semester at Holy Cross College or at some other institution of collegiate standing; or by the repetition of the course under the direction of a tutor approved by the Dean, or by a special comprehensive examination granted and sanctioned by the Dean.

Examination Conditions. Students who fail to attain 60 per cent. in any final written or oral examination incur examination failures which may be removed by the passing of a second examination. Those who fail in the second examination incur either treatise or semester failures. However, any student who fails the oral examination in philosophy for the second time must repeat the entire year's work.

Dismissal from the College. Candidates for degrees who carry semester failures amounting to nine or more credit hours or who carry examination conditions in three or more subjects, are ordinarily requested to withdraw from the College.

ADMISSION

All correspondence concerning admission should be addressed to Director of Admissions.

REQUIREMENTS FOR ADMISSION TO FRESHMAN CLASS

An application for admission should be filed by every candidate not later than September 1st of the year in which the candidate proposes to enter college. A blank for this purpose may be secured from the Director of Admissions.

As the enrollment of the Freshman Class is limited to about four hundred students, the College must necessarily make a selection in admitting candidates. In addition to full certification by an approved secondary school or partial certification and the passing of entrance examinations, other conditions are demanded of each candidate. The candidate should have been graduated from an approved secondary school, having completed in his secondary school the subjects required by the College; he should have attained in these subjects an average equal to the standard demanded by the College; he should be of the highest moral character, this quality to be attested to in writing by his Pastor; he should possess personality and should have participated in one or more extra-curricular activities, such as debating, writing, public speaking, music or athletics.

Holy Cross College offers the following courses: Bachelor of Arts with Honors; Bachelor of Arts without Honors; Bachelor of Science in Biology, Chemistry or Physics; Bachelor of Science in Economics, Education or History.

Candidates for admission to the Freshman Class must present credit either by examination or by certificate for the subjects listed below:

Candidates for Bachelor of Arts Degree: (15 units)

Latin, four units.

English, four units.

Algebra, two units, or (one unit including quadratic equations).

Plane Geometry, one unit.

History (Ancient, English, European or American), two units.

*French, German or Spanish, two units, or Greek, three units.

(For all candidates for the Bachelor of Arts degree with honors who offer no Greek at entrance, a three year course in Greek is prescribed. In Freshman Year the entire grammar is covered thoroughly; in Sophomore Year selected texts are read in the original; in Junior Year studies in Greek thought, literature, art and philosophy will be made in translation).

Candidates for Bachelor of Science Degree in Biology, Chemistry or Physics. (15 units)

English, four units.

Algebra, two units.

Plane Geometry, one unit.

Solid Geometry or Trigonometry, one-half unit.

History (Ancient, English, European or American), two units.

*French or German, two units.

Chemistry or Physics, one unit.

Elective subjects, two and one-half units.

Candidates for Bachelor of Science Degree in Economics, Education or History. (15 units)

English, four units.

Algebra, two units, or (one unit including quadratic equations).

Plane Geometry, one unit.

History (Ancient, English, European or American), two units.

*French, German or Spanish, two units.

Elective subjects, four or five units (depending on algebra requirements).

*All candidates for degree who offer no entrance credit in a modern foreign language—French, German, or Spanish—must begin one of these languages in Freshman Year and continue it throughout Sophomore Year. At the end of Sophomore Year they must pass a comprehensive examination in the language chosen. Those who fail this examination will have to continue the study of the language in Junior Year.

All elective subjects, either listed below or unlisted, offered as entrance units must be subjects other than commercial and manual training subjects and must be recognized by the secondary school as credits towards graduation.

LISTED SUBJECTS

	<i>Units</i>		<i>Units</i>
English I (Grammar and		American History	1
Composition	2	English History	1
English II (Literature)	2	American History and Civil	
Ancient History	1	Government	1

Civil Government ½	Advanced German 1
Latin (Elementary) 1	Elementary Spanish 2
Latin (Caesar) 1	Intermediate Spanish 1
Latin (Cicero) 1	Advanced Spanish 1
Latin (Virgil) 1	Elementary Algebra 1
Greek (Elementary) 1	Intermediate Algebra 1
Greek (Xenophon's Anabasis) 1	Plane Geometry 1
Greek (Homer's Iliad) 1	Solid Geometry ½
Elementary French 2	Plane Trigonometry ½
Intermediate French 1	Chemistry 1
Advanced French 1	Physics 1
Elementary German 2	Biology 1
Intermediate German 1	Astronomy 1
	Physiography 1

Entrance Unit:

A unit represents a year's study of any subject in a secondary school. It is assumed that the length of the school year is at least thirty-eight weeks, that a period is at least forty-five minutes in duration, and that the study is pursued for at least four periods a week.

DEFINITION OF ENTRANCE REQUIREMENTS

ENGLISH

Four units

Preparation in English should fulfill these two objects: (1) the command of correct English, spoken and written, and (2) accurate, intelligent and appreciative reading.

Grammar and Composition. A general review of the grammar, emphasizing spelling and grammar accuracy, principles of punctuation, sentences, paragraphing and the whole composition with special emphasis given to principles of narration, description and exposition; written composition comprising letter writing, descriptions, narrations and expository essays.

Literature. The aim of the literature course should be the training of the student in careful, intelligent and appreciative reading in considerable amount.

Books for Study. One selection is to be made from each group.

Group I. Shakespeare: *Hamlet, Julius Caesar, Macbeth.*

Group II. Coleridge: *The Ancient Mariner*. Tennyson: *Idylls of the King*. Scott: *The Lady of the Lake*. Milton: *Il Penseroso*, and either *Comus* or *Lycidas*.

Group III. Irving: *The Sketch Book*. Addison and Steele: *Sir Roger de Coverly Papers*. Macaulay: *Life of Johnson*. Carlyle: *Essay on Burns*.

Group IV. Burke: *Speech on Conciliation with America*. Washington: *Farewell Address*. Webster: *First Bunker Hill Oration*.

Books for Reading. From each group two selections are to be made.

Group I. Cooper: *The Last of the Mohicans*. Dickens: *David Copperfield* or *The Tale of Two Cities*. Scott: *Ivanhoe* or *Quentin Durward*. Hawthorne: *The House of Seven Gables*. Stevenson: *Treasure Island* or *Kidnapped*. George Eliot: *Silas Marner* or *The Mill on the Floss*.

Group II. Shakespeare: *King Lear*, *King Henry V*, *As You Like It*, *The Tempest*, *The Merchant of Venice*.

Group III. Keats: *Selections*. Wordsworth: *Selections*. Shelley: *Selections*. Longfellow: *Tales of a Wayside Inn*.

Group IV. *The New Testament*. Macaulay: *Lord Clive*. Franklin: *Autobiography*. Emerson: *Representative Men*.

ENGLISH EXAMINATIONS

English I—Grammar and Composition. An examination in the elements of English grammar and composition. The examinee may be asked to construe sentences, to parse words and to correct mistakes in usage. The test in composition will be devoted to the development of selected themes (one or more) throughout several paragraphs, applying the principles of paragraphing, of loose and periodic sentences, of description, narration and exposition. Several subjects will be suggested from which the candidate may make his own selection.

English II—Literature. This examination, covering the work as outlined under Books for Study and Books for Reading, will be divided into two main parts.

Part I of the examination will test the candidate's knowledge of these books required for study. The questions asked will test the candidate's knowledge of the contents and form of the books, the lives

of the authors, and the literary periods to which the authors belong.

Part II of the examination will test the candidate's ability to appreciate intelligently one or two books selected from the group of books required for reading.

English III—Comprehensive. An examination in English I and English II combined. The questions asked will be similar in form to those of the restricted examinations.

ELEMENTARY FRENCH

First and Second Years

Two Units

During the first year the work should comprise a careful drill in pronunciation; the rudiments of the grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions, and the elementary rules of syntax; the reading of from 250 to 300 pages of graduated texts; writing French from dictation.

During the second year the work should comprise the reading of 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; constant practice in translating into French easy variations based on the texts read; writing French from dictation; continued drill upon the rudiments of the grammar, with constant application in the construction of sentences; mastery of the forms and use of pronouns, pronominal adjectives, irregular verb forms, and of the simpler uses of the conditional and the subjunctive.

INTERMEDIATE FRENCH

One unit

The work in Intermediate French should comprise the reading of from 400 to 600 pages of French; the taking of dictation in French; the translation into French of continuous English prose; a thorough drill in the rudiments of the grammar, with particular attention given to sentence construction, forms, pronouns, pronominal adjectives and all irregular verb forms.

ADVANCED FRENCH

One unit

The course in Advanced French should comprise the reading of difficult prose and verse; class conversation in French; translation of English prose and verse into French; a thorough review of the rudiments of the grammar.

FRENCH EXAMINATIONS

French II—Elementary. This examination, covering the work as outlined under elementary French, will be divided into two main parts.

Part I will test the candidate's knowledge of two years of study in the language. The questions asked will test the candidate's ability to translate French prose into English and his knowledge of syntactical constructions and inflections.

Part II of the examination will be devoted to the writing of French composition, including the writing of simple sentences and continuous prose.

French III—Intermediate. This examination, covering the work as outlined under Intermediate French, will be divided into two main parts.

Part I will test the candidate's knowledge of three years of study in the language. The questions asked will test the candidate's ability to translate French literature into idiomatic English, to appreciate intelligently the passages translated, and to be able to explain all syntactical constructions which appear in the passages to be translated.

Part II will be devoted to the writing of French composition, including the writing of continuous English prose in French.

ELEMENTARY GERMAN

First and Second Years

Two Units

During the first year the work should comprise a careful drill upon pronunciation; the memorizing of easy colloquial sentences; the rudiments of the grammar, including the inflection of the articles, nouns, adjectives, pronouns, weak verbs and the more usual strong verbs; the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; the reading of from 75 to 100 pages from a reader, with constant practice in translating into German easy variations based on sentences selected from the reading lesson.

During the second year the work should comprise the reading of from 150 to 200 pages of literature in the form of easy stories and plays; translation into German of easy continuous prose; continued drill upon the rudiments of the grammar.

INTERMEDIATE GERMAN

One unit

The work in Intermediate German should comprise the intelligent reading of German Literature; the taking of dictation in German;

the translation of continuous English prose into German; a thorough drill in the rudiments of the grammar, with particular attention given to the strong verbs, the use of the articles, cases, auxiliaries of all kinds, tenses and moods.

ADVANCED GERMAN

One unit

The work in Advanced German should comprise the intelligent reading of German prose and verse; classroom conversation; translation into German of English prose and verse; a thorough review of the rudiments of the grammar.

GERMAN EXAMINATIONS

German II—Elementary. This examination, covering the work as outlined under Elementary German, will be divided into two main parts.

Part I of the examination will be a test of the candidate's knowledge of two years of study in the language. The questions asked will test the candidate's ability to translate German prose into English, and his knowledge of the syntactical constructions and inflections.

Part II of the examination will be devoted to the writing of German composition, including simple sentences and continuous prose.

German III—Intermediate. This examination, covering the work as outlined under Intermediate German, will be divided into two main parts.

Part I will test the candidate's knowledge of three years of study in the language. The questions asked will test the candidate's ability to translate German literature into idiomatic English, to appreciate intelligently the passages translated and to be able to explain all syntactical constructions which appear in the passages to be translated.

Part II will be devoted to the writing of German composition, including the writing of continuous English prose in German.

ELEMENTARY SPANISH

First and Second Years

Two Units

During the first year the work should comprise a careful drill in pronunciation; the rudiments of the grammar, including the inflection of the regular and more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; the reading of about 100 pages, with constant practice in translating into Spanish easy variations based on the sentences read; writing Spanish from dictation.

During the second year the work should comprise the reading of about 250 pages of easy modern prose in the form of stories, plays, historical or biographical sketches; constant practice in translating into Spanish easy continuous prose; continued drill in the elements of grammar and syntax; uses of the modes and tenses; writing Spanish from dictation.

INTERMEDIATE SPANISH

One unit

The work in Intermediate Spanish should comprise the intelligent reading of Spanish literature; classroom conversation in Spanish; the translation into Spanish of continuous English prose; a thorough drill in the rudiments of the grammar, with particular attention given to sentence structure, forms and uses of pronouns, pronominal adjectives, and irregular verbs.

ADVANCED SPANISH

One unit

The work in Advanced Spanish should comprise the intelligent reading of Spanish literature; classroom conversation; translation of English prose and verse into Spanish; a thorough review of the rudiments of the grammar.

SPANISH EXAMINATIONS

Spanish II—Elementary. This examination, covering the work as outlined under Elementary Spanish, will be divided into two main parts.

Part I of the examination will be a test of the candidate's knowledge of two years of study in the language. The questions asked will test the candidate's ability to translate Spanish prose into English and his knowledge of the syntactical constructions and inflections.

Part II of the examination will be devoted to the writing of Spanish composition, including simple sentences and continuous prose.

Spanish III—Intermediate. This examination, covering the work as outlined under Intermediate Spanish, will be divided into two main parts.

Part I will test the candidate's ability to translate Spanish Literature into idiomatic English, to appreciate intelligently the passages to be translated and to be able to explain all syntactical constructions which appear in the passages to be translated.

Part II will be devoted to the writing of Spanish composition, including the writing of continuous English prose in Spanish.

ELEMENTARY ALGEBRA*One unit*

The work in Elementary Algebra should include the following requirements: the four fundamental operations for rational algebraic expressions; factoring; the determination of the highest common factor and the lowest common multiple by factoring; fractions, ratio and proportion; linear equations; radicals; quadratic equations.

INTERMEDIATE ALGEBRA*One unit*

The following requirements should be studied in the course in Intermediate Algebra: quadratic equations, the application of the factor theorem; factoring of bi-nomial expressions ($v-a$); arithmetic and geometric progression; solution of equations containing radicals; graphical determination of the roots of an equation; logarithms, including the formulas $\log ab$,

$$\log \frac{a}{b}, \log a^p, \text{ and } \log a.$$

PLANE GEOMETRY*One unit*

The course in Plane Geometry should include a thorough drill in the usual theorems and constructions as treated in standard textbooks; the application of these theorems in the measurements of angles, similar polygons, areas, regular polygons, and circles; the solution of numerous original problems.

SOLID GEOMETRY*One-half unit*

The course in Solid Geometry should include a thorough study of the usual theorems and constructions as treated in standard textbooks, including the relation of planes and lines in space, the properties and measurements of prisms, cylinders, and cones, the sphere and spherical triangle, and the various formulas for areas and volume; the practical application of the formulas in the solution of original problems.

PLANE TRIGONOMETRY*One-half unit*

The course in Plane Trigonometry should include the definitions and relations of the six trigonometric functions as ratios; circular measurements of angles; the proof and application of the principal formulas; the theory and use of logarithms.

MATHEMATICS EXAMINATIONS

Mathematics I—Elementary Algebra. A restricted examination in the fundamentals of Elementary Algebra, including all the requirements as outlined on page 51.

Mathematics II—Intermediate Algebra. A restricted examination in Intermediate Algebra including all the requirements as outlined on page 51.

Mathematics III—Plane Geometry. A restricted examination in the elements of Plane Geometry as outlined on page 51.

Mathematics IV—Solid Geometry. A restricted examination in the elements of Solid Geometry as outlined on page 51.

Mathematics V—Plane Trigonometry. A restricted examination in the elements of Plane Trigonometry as outlined on page 51.

Mathematics VI—Algebra and Plane Geometry. A comprehensive examination in Mathematics I, II, III.

Mathematics VII—Algebra, Plane Geometry and Plane Trigonometry. A comprehensive examination in Mathematics I, II, III, and V.

LATIN

Four units

A candidate to qualify for unconditional admission to the Bachelor of Arts course must offer as credit the full Latin requirements.

ELEMENTARY LATIN

One unit

The work in elementary Latin should comprise a thorough drill in the elementary rudiments of the grammar, including the inflection of nouns, adjectives and pronouns; a thorough study of the verb; elementary, syntactical constructions of nouns and clauses, including purpose, result and concessive; direct and indirect questions. The composition work should be so designed as to bring into practice correct word order, sequence of tenses and the Latin constructions for purpose, result and concessive clauses, direct and indirect questions.

CAESAR, DE BELLO GALLICO, BOOKS I, II, III, IV

One unit

The reading in Caesar should be not less than the first four books of the Gallic War. The reading should be supplemented by a thorough

drill in the principal syntactical constructions, including the constructions of indirect discourse, of dependent clauses both in direct and indirect discourse and conditional sentences. The work in composition should be so designed as to bring into practice the Latin constructions for indirect discourse and conditional sentences.

CICERO, ORATIONS AGAINST CATILINE, I, III, MANILIAN LAW, ARCHIAS

One unit

The reading in Cicero should be not less than the first and third orations against Catiline, the Manilian Law, and the oration in behalf of Archias. In the reading of these orations, the candidate should make rhetorical outlines of each oration. Work in grammar should be stressed, especially the syntax of nouns, dependent clauses, and conditional sentences. The work in composition should be so designed as to familiarize the candidate with Ciceronian style.

VIRGIL, AENEID, BOOKS I, II, III, IV, V, VI

One unit

The reading in Virgil should be not less than the first six books of the Aeneid. All poetical constructions should be thoroughly understood; allusions known; and the candidate able to appreciate intelligently the Epic. The composition work should be devoted to the application of the rules of prosody and verse structure; the scansion of the first four books; and the composition of Latin verse, especially the dactylic hexameter.

LATIN EXAMINATIONS

Latin II—Caesar. A restricted examination in the First and Fourth Books of Caesar's *De Bello Gallico*. The candidate will be asked to translate into English selected passages taken from the above required books, and to state and explain cases of nouns and pronouns, moods and tenses of verbs which appear in the selected passages. The candidate may also be asked to decline nouns, to write the principal parts, conjugations and synopses of verbs, and to explain historical references. The composition work will be based on Book I, *De Bello Gallico*, bringing into practice the rules for the sequence of tenses, the uses of the dative and ablative cases, and the Latin constructions for indirect discourse and conditional sentences.

Latin III—Cicero. A restricted examination in the First and Third Orations of Cicero against Catiline, and the Oration for Archias. The candidate will be asked to translate into English selected passages taken from the above required orations, and to state and explain cases of nouns, moods and tenses of verbs, to explain historical references

and to outline the orations. The candidate may be asked to decline nouns, pronouns and adjectives; and to write the principal parts, conjugations and synopses of verbs. The composition work will be based on the First Oration against Catiline, bringing into practice Latin constructions for dependent clauses and conditional sentences.

Latin IV—Virgil. A restricted examination in the First, Third and Sixth Books of Virgil's Aeneid. The candidate will be asked to translate into English selected passages taken from the above required books of the Aeneid, to explain poetic constructions, to appreciate intelligently the selected passages, to explain allusions, and to scan selected verses. Syntax of nouns and verbs may be asked. The candidate may be held responsible for all rules of prosody.

Latin V—Caesar and Cicero. A comprehensive examination in Latin II and Latin III combined. The questions asked will be similar in form to those of Latin II and Latin III examinations. The composition work will be based on Cicero's first oration against Catiline and will bring into practice the same Latin constructions as the compositions of Latin II and Latin III examinations. The candidate will be asked to translate into English a Latin selection taken from an author with whom he is not familiar.

Latin VI—Cicero and Virgil. A comprehensive examination in Latin III and IV combined. The questions asked will be similar in form to those of Latin III and Latin IV examinations. The composition work will be based on Cicero's first oration against Catiline and will bring into practice the same Latin constructions as the composition of Latin III examination. The candidate may be asked to translate into English selections taken from Latin prose authors or poets with whom he is not familiar.

GREEK

Three units

For the perfect following of the literature course in the Bachelor of Arts Honors Course at the College, a thorough three years' training in Greek is absolutely necessary. The classes, however, are so arranged that students entering without this three-year course are provided with an intensive three-year course.

ELEMENTARY GREEK

One unit

The work in elementary Greek should comprise a thorough drill in all regular syntactical constructions; the inflections of nouns, adjectives and pronouns; the principal parts and conjugations of verbs; syntax of cases and the rules governing them; syntax of voices, moods

and tenses of verbs. Elementary composition work should comprise the writing of simple English sentences into Greek, bringing into practice the Greek construction for the various cases of nouns, adjectives and pronouns. Special attention should be given to case endings, verb formations and moods.

XENOPHON'S ANABASIS, BOOKS I, II, III, IV

One unit

The reading in Xenophon should be not less than the first four books of the Anabasis. The reading should be supplemented by a thorough drill in the syntax of moods, including the various constructions of the indicative, optative and subjunctive; a general study of dependent clauses and the corresponding Greek constructions. The work in composition should be so designed as to bring into practice the Greek constructions for independent clauses; clauses of purpose, result, cause, and concession; temporal clauses introduced by *ὅτε* and *ἵνα*; conditional sentences; and the attraction of moods.

HOMER'S ILIAD, BOOKS I, II, III, IV

One unit

The reading in Homer should be not less than the first four books of the Iliad. In the reading of Homer careful attention should be given to the Homeric dialect, the appreciation of the Epic, the explanation of the allusions and the metrical system. Work in Attic grammar should be stressed, especially the more difficult syntactical constructions. The composition work should be devoted to the scansion of the first two books, and to review exercises in the translation of English prose into Greek, bringing into practice the Greek constructions for indirect discourse, the infinitive not of indirect discourse, and all dependent clauses.

GREEK EXAMINATIONS

Greek II—Anabasis. A restricted examination in the First and Second Books of Xenophon's Anabasis. The candidate will be asked to translate into English selected passages taken from the above required books of Xenophon's Anabasis; to state and explain the cases of nouns, adjectives and pronouns; moods, tenses, and voices of verbs which appear in the selected passages. The candidate may also be asked to inflect nouns, adjectives and pronouns; to compare adjectives and adverbs; to write the principal parts, conjugations and synopsis of verbs; and to explain historical references. The composition work will be based on Book I, Xenophon's Anabasis, bringing into practice the rules governing the various uses of the indicative, optative and subjunctive moods; the Greek construction for dependent clauses of

purpose, result, cause and concession, and temporal clauses introduced by *ὅτε* and *πρίν*, and conditional sentences.

Greek III—Iliad. A restricted examination in the First and Third Books of Homer's Iliad. The candidate will be asked to translate into English selected passages taken from any of the above required books of Homer's Iliad, to explain syntactical constructions, to write the prose form of Homeric words, to explain allusions, to appreciate the selections, and to scan selected verses. The candidate may be held responsible for all rules of prosody.

Greek IV—Anabasis and Iliad. A comprehensive examination, combining Greek II and Greek III examinations. The questions asked will be similar in form to those of Greek II and Greek III examinations. The composition work will be based on the first book of Xenophon's Anabasis and will bring into practice the same Greek constructions as the compositions of the restricted examinations. The candidate will be asked to translate into English selections from Greek prose writers and poets with whom he is not familiar.

ANCIENT HISTORY

One unit

This course should devote one-half of the year to the study of the ancient Orient and Greece as far as the death of Alexander and the break-up of his empire, with the expansion of Greek culture in the Mediterranean World. The second half year should be devoted to the study of the history of Rome to the year 476 A. D.

In the study of Greek history, little time should be spent on the period prior to the Persian Wars, except to deal concretely with Homeric society and to emphasize the expansion of Hellas. From the Persian Wars to the death of Alexander the study should be exact and thorough, with special references to the political, intellectual, and artistic development of Hellas during the Age of Pericles.

In the period following the death of Alexander, opportunity should be found to study the federal government of Greece and the philosophy, literature, art, and religious cults which were the factors of the mixed Graeco-Oriental culture of which Rome became the heir.

At the beginning of the second half-year the history of Rome to about the year 300 B. C. should be covered very rapidly. From 300 B. C. to the death of Marcus Aurelius the study must be relatively detailed and thorough.

AMERICAN HISTORY

One unit

The period of American history prior to 1763 may be treated briefly as a background for subsequent epochs. The period since the Civil

War should receive adequate attention (about as much time as the period between 1763 and 1865).

ENGLISH HISTORY

One unit

During the first half-year, the periods of the Tudors and the early Stuarts should receive emphasis. Only the briefest reference to the period before 1066 need be made, and from the Norman Conquest to the accession of the Tudors the treatment should be topical rather than exhaustive.

In the second half-year, starting with the Restoration, attention should be given first to the continued struggle between Crown and Parliament, culminating in the establishment of responsible government. In studying the great wars with France, attention should be directed to the commercial and colonial expansion in America and the East. With regard to imperial policy, the causes and effects of the Scottish and Irish unions and the revolt of the American colonies should be explained. Since the Reform Act of 1867, emphasis should be laid upon the more important reforms affecting economic, political, and social life, and upon the problem of Ireland.

MODERN EUROPEAN HISTORY

One unit

The course in Modern European History should include the following requirements: reign of Louis XIV; colonial expansion and rivalries; development of the constitutional monarchy in England; Frederick the Great; the republican government of Revolutionary France; Napoleon; the main facts in the political development of Europe since 1815. The Industrial Revolution, the growth of nationalism and democracy, and the economic expansion of the European possessions outside of Europe should receive special emphasis throughout the course.

CIVIL GOVERNMENT

One-half unit

The study of civil government should include a careful analysis of the Constitution of the United States—the powers, organization, and the functions of the federal government, the relations between the states and the federal government, and the general nature and extent of the powers reserved to the states.

AMERICAN HISTORY AND CIVIL GOVERNMENT*One unit*

This course should be so arranged that two-thirds of the time be devoted to the study of American History and one-third to the study of Civil Government.

CHEMISTRY*One unit*

The course in Chemistry should comprise the study of a standard text-book in order that the student may gain a thorough knowledge of the fundamental facts and laws of Chemistry; individual laboratory work; comprising at least thirty experiments; and lecture table demonstrations.

Outline of the requirements: the important physical and chemical properties, and the preparation of the following elements and their most important compounds: oxygen, hydrogen, carbon, nitrogen, chlorine, bromine, fluorine, sulphur, sodium, zinc, lead, and iron; the atmosphere; acids, bases and salts; Boyle's and Charles' Laws; symbols and nomenclature; atomic theory; atomic weight and valence; solutions; ionization; electrolysis.

CHEMISTRY EXAMINATION

The examination in Chemistry will be a test of the candidate's knowledge of the most fundamental facts and laws of chemistry; his ability to explain the preparations of various elements; and his ability to solve original problems based on the fundamental laws.

PHYSICS*One unit*

The course in Physics should comprise the study of a standard text-book in order that the candidate may gain a thorough knowledge of the fundamental facts and laws of Physics; individual laboratory work, comprising at least thirty experiments; and lecture table demonstrations, to familiarize the candidate with the facts and phenomena of Physics in their qualitative aspects and practical applications.

PHYSICS EXAMINATION

The questions will be so designed as to test the candidate's knowledge of the fundamental facts and laws of Physics and the application of the laws in the solving of original problems.

BIOLOGY*One unit*

The course in Biology should comprise a careful study of the fundamental principles of Botany and Zoology. This course should include a year's study of a standard text-book, supplemented by individual laboratory work.

ASTRONOMY*One unit*

The course in Astronomy should include instruction in the elementary principles of the science, including observation of the heavens with reference to the positions and movements of the heavenly bodies. A year's study of a standard text-book is required.

PHYSIOGRAPHY*One unit*

The course in Physiography should be so designed that the candidate will gain a thorough knowledge of the essential principles of physical geography and of well-selected facts illustrating those principles. A year's study of a standard text-book, supplemented by individual laboratory work, is demanded as a requirement.

METHODS OF ADMISSION TO FRESHMAN CLASS**Admission by Certificate—Plan A**

Certificates, admitting candidates without examination, will be accepted from secondary schools which have been approved by the Committee on Admissions. Secondary schools seeking this approval should secure from the Chairman of the Committee on Admissions the forms necessary for making application for this privilege.

A candidate to be admitted without examination must have been graduated from a secondary school which has been approved by the College for the certificate privilege of admittance without examination; his scholarship standing for the last two years of his course must place him in the highest third of his class; he must have satisfactorily completed the units required by the College for admission to the course for which he is applying.

Admission by Partial Certification—Plan B

Candidates coming from an approved secondary school and failing to secure full certification may offer certified credits in one or more units required by the College for admission. Credit for the non-certified units may be obtained either by entrance examinations or by New

York State Regents examinations with a grade of 75%. A candidate may take either the examinations conducted by the College or the examinations conducted by the College Entrance Examination Board.

Admission by Examination—Plan C

All candidates not meeting the requirements outlined either under Plan A or Plan B must take entrance examinations in the units required by the College for admission. The candidates may take either the examinations conducted by the College or the examinations conducted by the College Entrance Examination Board.

Examinations for admission are held by the College in June and September. All candidates should endeavor to take the June examinations to be assured of being admitted to the College the following September.

COLLEGE ENTRANCE EXAMINATION BOARD

Examinations of June, 1938

The College Entrance Examination Board will hold examinations in June, 1938, at nearly four hundred points in the United States and abroad.

A list of places at which examinations will be held will be published about March 1, 1938. Requests that the examinations be held at particular points should be transmitted to the Secretary of the College Entrance Examination Board not later than February 1, 1938.

Detailed definitions of the requirements in all examination subjects are given in a circular of information published annually about December 1. Upon request to the Secretary of the College Entrance Examination Board a single copy of this document will be sent to any teacher without charge. In general, there will be a charge of twenty-five cents, which may be remitted in postage.

All candidates wishing to take these examinations should make application by mail to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y. Blank forms for this purpose will be mailed by the Secretary of the Board to any teacher or candidate upon request by mail.

ADMISSION TO ADVANCED STANDING

A candidate seeking admission to advanced standing, unless coming from an approved institution of collegiate rank, will be examined in the studies required for entrance to Holy Cross College (unless admitted by certificate) and in those already pursued by the class which he desires to enter.

A candidate coming from an approved institution of collegiate rank may receive credit without examination for work done at that institution. He is obliged to present the same entrance credits as are required of students entering Holy Cross College without advanced standing, and must take all prescribed subjects in the course leading to the desired degree at Holy Cross College. The following credentials should be forwarded to the Registrar: a formal statement from the proper official of the institution previously attended, showing subjects accepted for entrance, subjects pursued at college, with their catalogue numbers.

SCHEDULE OF ENTRANCE EXAMINATIONS, JUNE, 1938

June 10, 1938

Mathematics I (Elementary Algebra)	9.30 A.M.-11.30 A.M.
Mathematics II (Intermediate Algebra)	9.30 A.M.-11.30 A.M.
Mathematics III (Plane Geometry)	9.30 A.M.-11.30 A.M.
Mathematics IV (Solid Geometry)	9.30 A.M.-11.30 A.M.
Mathematics V (Plane Trigonometry)	9.30 A.M.-11.30 A.M.
Mathematics VI (Algebra and Plane Geometry)	9.30 A.M.-12.30 P.M.
Mathematics VII (Algebra, Plane Geometry and Plane Trigonometry)	9.30 A.M.-12.30 P.M.
French II (Elementary)	2.00 P.M.- 5.00 P.M.
French III (Intermediate)	2.00 P.M.- 5.00 P.M.
German II (Elementary)	2.00 P.M.- 5.00 P.M.
German III (Intermediate)	2.00 P.M.- 5.00 P.M.
Spanish II (Elementary)	2.00 P.M.- 5.00 P.M.
Spanish III (Intermediate)	2.00 P.M.- 5.00 P.M.
Greek II (Xenophon's Anabasis)	2.00 P.M.- 4.00 P.M.
Greek III (Homer's Iliad)	2.00 P.M.- 4.00 P.M.
Greek IV (Xenophon's Anabasis and Homer's Iliad)	2.00 P.M.- 5.00 P.M.

June 11, 1938

English I (Grammar and Composition)	9.30 A.M.-12.30 P.M.
English II (Literature)	9.30 A.M.-12.30 P.M.
English III (Grammar, Composition and Litera- ture)	9.30 A.M.-12.30 P.M.
Latin II (Caesar)	2.00 P.M.- 4.00 P.M.
Latin III (Cicero)	2.00 P.M.- 4.00 P.M.
Latin IV (Virgil)	2.00 P.M.- 4.00 P.M.
Latin V (Caesar and Cicero)	2.00 P.M.- 5.00 P.M.
Latin VI (Cicero and Virgil)	2.00 P.M.- 5.00 P.M.
Chemistry	2.00 P.M.- 5.00 P.M.

Biology	2.00 P.M. - 5.00 P.M.
Physics	2.00 P.M. - 5.00 P.M.
History I (Ancient History)	2.00 P.M. - 4.00 P.M.
History II (American History with Civil Government)	2.00 P.M. - 5.00 P.M.
History III (American History)	2.00 P.M. - 4.00 P.M.
History IV (English History)	2.00 P.M. - 4.00 P.M.
History V (Modern European History)	2.00 P.M. - 4.00 P.M.

APPLICATION FEES

Candidates applying for admission to the College under Plan A 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. Make check or money order payable to Treasurer, Holy Cross College.

Candidates applying for admission to the College under Plans B and C are required to forward with their applications the matriculation fee of ten dollars. (*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. In addition to the matriculation fee, a charge of ten dollars is made each candidate for the privilege of taking entrance examinations. This fee should be forwarded upon the receipt of formal notification of the acceptance of application for entrance examinations. Make check or money order payable to Treasurer, Holy Cross College.

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.

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 67. The term "semester hour" signifies the satisfactory completion of work requiring attendance each half-year of one hour weekly in lectures or recitations or two hours weekly in laboratory.

To be recommended for this degree the candidate must attain a grade of 80% in his thirteen major courses and a grade of 70% in at least three-fifths of his minor courses. The grades are determined partly by class work and partly by comprehensive written and oral examinations. The scholastic success of the student is noted in his degree by the distinction of first, second, third or fourth honors. Students who fail to attain these grades may be recommended for a degree without honors. Honor 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.

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 com-

prehensive 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 not obtainable through Mathematics and the natural sciences alone, though the college recognizes also the need and importance of these subjects today.

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 69. The term "semester hour" signifies the satisfactory completion of work requiring attendance each half-year of one hour weekly in lectures or recitations or two hours weekly in laboratory.

This degree represents a plan of study which differs from the Honors Course chiefly in these respects: the grade required for graduation is sixty per cent, 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, but less emphasis is placed on independent work. The success of the student in this course is noted in his degree by the qualifications "With Higher Distinction" and "With Distinction."

BACHELOR OF SCIENCE DEGREE

In Biology (Pre-medical), Chemistry or Physics

The requirement for graduation with either the Bachelor of Science degree in Biology, Chemistry or Physics is the

semester hours credit listed on pages 71, 72 and 73. The term "semester hour" signifies the satisfactory completion of work requiring attendance each half-year of one hour weekly in lectures or recitations or two hours weekly in laboratory.

Admission to all advanced courses depends strictly upon the completion with a grade of 60% or better of all pre-requisites.

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.

BACHELOR OF SCIENCE DEGREE

In Economics, in Education or in History

The requirement for graduation with the Bachelor of Science degree in Economics, in Education or in History is the semester hours credit listed on pages 74, 75 and 76. The term "semester hour" signifies the satisfactory completion of work requiring attendance each half-year of one hour weekly in lectures or recitations or two hours weekly in laboratory.

THESIS REQUIREMENT

To be recommended for any degree a student must not only have satisfactorily completed the required courses leading to this degree, but must also submit for approval during his Senior year a thesis on a subject taken from his field of concentration. Theses must be submitted at the beginning of the second semester.

DEGREES WITH DISTINCTION

The Bachelor of Arts Honors degree is awarded with one of the following grades of distinction: First Honors, Second Honors, Third Honors and Fourth Honors.

The Bachelor of Arts degree without Honors and the Bachelor of Science degree are awarded with one or another of the following grades of distinction: "With Higher Distinction" and "With Distinction."

REQUIREMENTS FOR VARIOUS DEGREES

Arranged by Years and Number of Class Periods Devoted to Each

BACHELOR OF ARTS With Honors

132 Semester Hours

Freshman Year

	1st Sem.	2nd Sem.	Cred- its
English 3	3	3	6
English 4	1	1	2
Latin 1-2-3	5	5	10
*Greek 1-2, 3-4, or 5-6	3	3	6
Modern Language	3	3	6
History 6	2	2	4
Religion 1-2	2	2	2
	—	—	—
	19	19	36

Sophomore Year

	1st Sem.	2nd Sem.	Cred- its
English 5-6	3	3	6
English 10	1	1	2
Latin 6-11-12	4	4	8
*Greek 7-8 or 9- 10	3	3	6
Modern Language	3	3	6
History 7	2	2	4
Religion 3	2	2	2
	—	—	—
	18	18	34

Junior Year

	1st Sem.	2nd Sem.	Cred- its
Philosophy 1-2-3-4	7	7	12
**Science	3	3	6
Religion 4	2	2	2
***Electives	6	6	12
	—	—	—
	18	18	32

Senior Year

	1st Sem.	2nd Sem.	Cred- its
Thesis			
Philosophy 5-6-7-8	5	5	8
Philosophy 10-11	5	5	8
Religion 7	2	2	2
***Electives	6	6	12
	—	—	—
	18	18	30

*Courses 1-2 in Freshman, 7-8 in Sophomore, and in Junior an English course in Greek Literature are required of students offering no Greek for admission.

**Students may elect either Biology 3, Chemistry 1, or Physics 1.

***At the beginning of Junior year, each candidate for degree is obliged to select one elective branch and pursue that branch throughout Senior Year. (Students required to take the English course in Greek Literature during Junior Year will be obliged to take only a three hour elective course during Junior Year.) Before becoming eligible for a degree, each student will be obliged to submit for approval a thesis on a subject related to his elective branch.

The course in Modern Language depends upon the number of units offered for admission. Students, who enter the College without credit in any Modern Foreign Language, must begin one of these languages in Freshman Year and continue it throughout Sophomore Year. At the end of Sophomore Year they must pass a comprehensive examination in the language chosen or continue the study of the language in Junior Year.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

The major courses are Freshman Latin 1-2, Freshman English 3, Freshman and Sophomore Greek courses, Sophomore Latin 11-12, Sophomore English 5-6, Junior Philosophy, Senior Philosophy, Senior Ethics, and Junior and Senior Elective courses.

BACHELOR OF ARTS

Without Honors

132 Semester Hours

Freshman Year

	1st Sem.	2nd Sem.	Cred-its
English 3	3	3	6
English 4	1	1	2
Latin 1-2-3	5	5	10
Mathematics 10	3	3	6
Modern Language	3	3	6
History 6	2	2	4
Religion 1-2	2	2	2
	<hr/>	<hr/>	<hr/>
	19	19	36

Sophomore Year

	1st Sem.	2nd Sem.	Cred-its
English 5-6	3	3	6
English 10	1	1	2
Latin 6-11-12	4	4	8
Mathematics 11	3	3	6
Modern Language	3	3	6
History 7	2	2	4
Religion 3	2	2	2
	<hr/>	<hr/>	<hr/>
	18	18	34

Junior Year

	1st Sem.	2nd Sem.	Cred-its
Philosophy 1-2-3-4	7	7	12
*Science	3	3	6
Religion 4	2	2	2
**Electives	6	6	12
	<hr/>	<hr/>	<hr/>
	18	18	32

Senior Year

	1st Sem.	2nd Sem.	Cred-its
Thesis			
Philosophy 5-6-7-8	5	5	8
Philosophy 10-11	5	5	8
Religion 7	2	2	2
**Electives	6	6	12
	<hr/>	<hr/>	<hr/>
	18	18	30

*Students may elect either Biology 3, Chemistry 1, or Physics 1.

**At the beginning of Junior year, each candidate for degree is obliged to select one elective branch and pursue that branch throughout Senior Year. Before becoming eligible for this degree, each candidate will be obliged to submit for approval a thesis on a subject related to his elective branch.

The course in Modern Language depends upon the number of units offered for admission. Students, who enter the College without credit in any Modern Language, must begin one of these languages in Freshman Year and continue it throughout Sophomore Year. At the end of Sophomore Year they must pass a comprehensive examination in the language chosen or continue the study of the language in Junior Year.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

BACHELOR OF ARTS

Pre-Medical

For Honors Greek is obligatory.

Freshman Year				Sophomore Year			
	1st Sem.	2nd Sem.	Cred-its		1st Sem.	2nd Sem.	Cred-its
English 3	3	3	6	English 5, 6 . . .	3	3	6
English 4	1	1	2	English 10	1	1	2
Latin 1-2-3 . . .	5	5	10	Latin 6, 11, 12 .	4	4	8
*Greek 1-2, 3-4, 5-6 or				*Greek 7-8, 9-10 or			
Mathematics 10 .	3	3	6	Mathematics 11 .	3	3	6
German 1 or 3 . .	3	3	6	**History 7 . . .	2	2	4
History 6	2	2	4	Chemistry 2 . . .	5	5	8
Religion 1, 2 . .	2	2	2	Religion 3	2	2	2
	—	—	—	German 3 or 4 . .	3	3	6
	19	19	36		—	—	—
					23	23	42

Junior Year				Senior Year			
	1st Sem.	2nd Sem.	Cred-its		1st Sem.	2nd Sem.	Cred-its
Philosophy 1, 2, 3, 4	7	7	12	Thesis			
Physics 1	4	4	8	Philosophy 5, 6, 7, 8	5	5	8
Religion 4	2	2	2	Philosophy 10-11 .	5	5	8
Biology 12-10 . .	4	4	8	Biology 14-13 . .	4	4	8
Chemistry 13 . .	4	4	4	Chemistry 5 . . .	5	5	8
	—	—	—	Religion 7	2	2	2
	21	17	34		—	—	—
					21	21	34

Optional Courses

Chemistry 14 . . .	4	4
German 4	2	4

*For Honors, students offering no Greek for admission must take Courses 1, 2 in Freshman Year; 7, 8, in Sophomore Year and in Junior Year an English course in Greek Literature.

**History 7 in Sophomore Year is optional during the second semester.

German 4 course in Junior Year is optional for students completing Course 3 in Sophomore Year.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

BACHELOR OF SCIENCE PRE-MEDICAL

(Biology)

134 Semester Hours

Freshman Year

Sophomore Year

	1st Sem.	2nd Sem.	Cred-its
English 3	3	3	6
English 4	1	1	2
Mathematics 2	3	3	6
Physics 1	4	4	8
Chemistry 2	5	5	8
***Chemistry 12	1	1	2
German 1 or 3	3	3	6
Religion 1-2	2	2	2
	<hr/>	<hr/>	<hr/>
	22	22	40

	1st Sem.	2nd Sem.	Cred-its
English 5, 6	3	3	6
English 10	1	1	2
Biology 11, 12	4	4	8
Chemistry 13, 14	4	4	8
German 3 or 4	3	3	6
Religion 3	2	2	2
	<hr/>	<hr/>	<hr/>
	17	17	32

Junior Year

Senior Year

	1st Sem.	2nd Sem.	Cred-its
Philosophy 1, 2, 3, 4	7	7	12
Religion 4	2	2	2
Chemistry 5	5	5	8
Biology 10-5	4	4	8
History 6	2	2	4
	<hr/>	<hr/>	<hr/>
	20	20	34

	1st Sem.	2nd Sem.	Cred-its
Thesis			
Philosophy 5, 6, 7, 8	5	5	8
Philosophy 10-11	5	5	8
Religion 7	2	2	2
Biology 13, 14	4	4	8
Biology 6	2		2
Biology 16		2	2
	<hr/>	<hr/>	<hr/>
	18	18	30

***Optional.

In Senior Year each candidate for degree will submit for approval a thesis on a subject taken from the field of Biology.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

BACHELOR OF SCIENCE

In Chemistry

(Pre-Engineering)

138 Semester Hours

Freshman Year

	1st Sem.	2nd Sem.	Cred- its
English 3 . . .	3	3	6
English 4 . . .	1	1	2
Mathematics 2 . . .	3	3	6
Physics 2 . . .	4	4	8
Chemistry 2 . . .	5	5	8
**Chemistry 12 . . .	1	1	2
German 1 or 3 . . .	3	3	6
Religion 1-2 . . .	2	2	2
	<hr/>	<hr/>	<hr/>
	22	22	40

Sophomore Year

	1st Sem.	2nd Sem.	Cred- its
English 5, 6 . . .	3	3	6
English 10 . . .	1	1	2
Mathematics 3 . . .	3	3	6
Physics 3 . . .	4	4	8
Chemistry 13, 14 . . .	4	4	8
German 3 or 4 . . .	3	3	6
Religion 3 . . .	2	2	2
	<hr/>	<hr/>	<hr/>
	20	20	38

Junior Year

	1st Sem.	2nd Sem.	Cred- its
Philosophy 1, 2, 3, 4	7	7	12
Religion 4	2	2	2
Chemistry 5	5	5	8
Chemistry 6	4	4	4
Chemistry 16 (optional)	4	4	4
History 6	2	2	4
	<hr/>	<hr/>	<hr/>
	20	20	34

Senior Year

	1st Sem.	2nd Sem.	Cred- its
Thesis			
Philosophy 5, 6, 7, 8	5	5	8
Philosophy 10-11	5	5	8
Religion	2	2	2
Chemistry 7	5	5	8
Chemistry 8, 9	3	3	6
	<hr/>	<hr/>	<hr/>
	20	20	32

**Optional.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

BACHELOR OF SCIENCE

In Physics

(Pre-Engineering)

144 Semester Hours

Freshman Year

	1st Sem.	2nd Sem.	Cred-its
English 3	3	3	6
English 4	1	1	2
Mathematics 2	3	3	6
Physics 2	4	4	8
Chemistry 2	5	5	8
German 1 or 3	3	3	6
Religion 1, 2	2	2	2
	21	21	38

Sophomore Year

	1st Sem.	2nd Sem.	Cred-its
English 5, 6	3	3	6
English 10	1	1	2
Mathematics 3	3	3	6
Physics 3	4	4	8
Chemistry 13, 14	4	4	8
German 3 or 4	3	3	6
Religion 3	2	2	2
	20	20	38

Junior Year

	1st Sem.	2nd Sem.	Cred-its
Philosophy 1, 2, 3, 4	7	7	12
Religion 4	2	2	2
Physics 4	3	3	6
Physics 12	3	3	6
Mathematics 5	2	2	4
History 6	2	2	4
	19	19	34

Senior Year

	1st Sem.	2nd Sem.	Cred-its
Thesis			
Philosophy 5, 6, 7, 8	5	5	8
Philosophy 10, 11	5	5	8
Religion 7	2	2	2
Physics 5	3	3	6
Physics 13	3	3	6
Mathematics 8	2	2	4
	20	20	34

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

BACHELOR OF SCIENCE

In Economics

130 Semester Hours

Freshman Year				Sophomore Year			
	1st Sem.	2nd Sem.	Cred-its		1st Sem.	2nd Sem.	Cred-its
English 3	3	3	6	English 5, 6	3	3	6
English 4	1	1	2	English 10	1	1	2
Mathematics 12	3	3	6	Economics 10	3	3	6
Economics 6	3	3	6	Economics 3	3	3	6
*Modern Language	3	3	6	*Modern Language	3	3	6
History 6	3	3	6	Economics 11	3		3
Religion 1, 2	2	2	2	English 37		3	3
	—	—	—	Religion 3	2	2	2
	18	18	34		—	—	—
					18	18	34
Junior Year				Senior Year			
	1st Sem.	2nd Sem.	Cred-its		1st Sem.	2nd Sem.	Cred-its
Philosophy 1, 2, 3,				Thesis			
4	7	7	12	Philosophy 5, 6, 7,			
Religion 4	2	2	2	8	5	5	8
**Science	3	3	6	Philosophy 10-11	5	5	8
Economics 5 or 9	3	3	6	Economics 13	3		3
Economics 12	3	3	6	Economics 14		3	3
	—	—	—	Economics 15	3	3	6
	18	18	32	Religion 7	2	2	2
					—	—	—
					18	18	30

*The course in Modern Language will depend on the number of units offered for admission. Students, who enter the College without credit in any Modern Foreign Language, must begin one of these languages in Freshman Year and continue it throughout Sophomore Year. At the end of Sophomore Year they must pass a comprehensive examination in the language chosen or continue the study of the language in Junior Year.

**Biology 3, Chemistry 1 or Physics 1 may be elected.

In Senior Year each candidate for degree must submit for approval a thesis on a subject taken from the field of Economics.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

REQUIREMENTS FOR DEGREES

BACHELOR OF SCIENCE

In Education

130 Semester Hours

Freshman Year				Sophomore Year			
	1st Sem.	2nd Sem.	Credits		1st Sem.	2nd Sem.	Credits
English 3	3	3	6	English 5-6 . . .	3	3	6
English 4	1	1	2	English 10 . . .	1	1	2
Mathematics 12 . .	3	3	6	English 8-19 . .	3	3	6
Education 30 . . .	1	1	2	Education 31 . .	3		3
Education 9 . . .	2	2	4	Education 13 . .		3	3
*French 1 or 3 . .	3	3	6	*French 3 or 4 . .	3	3	6
History 6	3	3	6	History 7	3	3	6
Religion 1-2 . . .	2	2	2	Religion 3	2	2	2
	—	—	—		—	—	—
	18	18	34		18	18	34
Junior Year				Senior Year			
	1st Sem.	2nd Sem.	Credits		1st Sem.	2nd Sem.	Credits
Philosophy 1-2-3-4	7	7	12	Thesis			
Religion 4	2	2	2	Philosophy 5-6-7-8	5	5	8
**Science	3	3	6	Philosophy 10-11	5	5	8
Education 14 . . .	3		3	Religion 7	2	2	2
Education 24 . . .		3	3	Education 12 . .		3	3
***Elective . . .	3	3	6	Education 23 . .	3		3
	—	—	—	Education 15, 16,			
	18	18	32	17, or 18 (optional)		3	3
				***Elective . . .	3	3	6
					—	—	—
					18	21	33

*The course in French will depend on the number of units offered for admission. Students, who enter the College without credit in French, must begin French in Freshman Year and continue it throughout Sophomore Year. At the end of Sophomore Year they must pass a comprehensive examination or continue the study of French in Junior Year.

**Students may choose either Biology 3, Chemistry 1, or Physics 1.

***The following courses may be elected: English Literature, Mathematics, History, and French.

In Senior Year each candidate for degree must submit for approval a thesis on a subject taken from the field of Education.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

BACHELOR OF SCIENCE

In History

132 Semester Hours

Freshman Year				Sophomore Year			
	1st Sem.	2nd Sem.	Cred-its		1st Sem.	2nd Sem.	Cred-its
English 3	3	3	6	English 5, 6 . . .	3	3	6
Mathematics 12 . .	3	3	6	English 8-19 . . .	3	3	6
English 14	3	3	6	History 7	3	3	6
*Modern Language	3	3	6	History 12	3	3	6
History 6	3	3	6	*Modern Language	3	3	6
Religion 1, 2 . . .	2	2	2	Religion 3	2	2	2
	—	—	—		—	—	—
	17	17	32		17	17	32
Junior Year				Senior Year			
	1st Sem.	2nd Sem.	Cred-its		1st Sem.	2nd Sem.	Cred-its
Philosophy 1, 2, 3,				Thesis			
4	7	7	12	Philosophy 5, 6, 7,			
Religion 4	2	2	2	8	5	5	8
**Science	3	3	6	Philosophy 10-11	5	5	8
History 9	3	3	6	Religion 7	2	2	2
History 11	3	3	6	History 10	3	3	6
	—	—	—	History 13, 14 . .	3	3	6
	18	18	32	***Elective . . .	3	3	6
					—	—	—
					21	21	36

*The Course in Modern Language will depend on the number of units offered for admission. Students who enter the College without any credit in a Modern Foreign Language, must begin one of these languages in Freshman Year and continue it throughout Sophomore Year. At the end of Sophomore Year, they must pass a comprehensive examination in the language chosen or continue the study of the language in Junior Year.

**Biology 3, Chemistry 1 or Physics 1 may be elected.

***Courses in English and Sociology may be chosen.

In Senior Year each candidate for degree must submit for approval a thesis on a subject taken from the field of History.

This schedule of courses is subject to change at the discretion of the Dean and the Advisory Committee.

OUTLINE OF COURSES

Biology 3. Animal Biology.

This course aims to acquaint the student with the general principles of animal life. After considering the properties of living animals, it takes up a rather complete study of the frog for the purpose of giving a few general notions on anatomy and physiology. This is followed by the study of a number of selected forms of invertebrates. The course is completed with a detailed study of the rabbit.

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

Texts: Lecture: *Textbook of Zoology, Wells and Davies.*

Laboratory: *Laboratory Guide in Animal Biology.*

Plates on the Anatomy of the Rabbit.

Biology 4. Vertebrate Embryology and Histology.

The embryology course begins with the study of the formation of the gametes, fertilization of the egg, segmentation, and formation of the three germ layers based on the development of the sea urchin, amphioxus, and frog. This is followed by a study of the chick embryo from the primitive streak through the 72 hour stage by means of whole mounts and serial sections. An extensive collection of charts, models and slides is at the disposal of the class.

The histology course includes a thorough study of the fundamental tissues, i.e., epithelial, supporting, muscular, nervous, and fluid tissues together with a detailed study of the types of glands and a few organs of the mammalian body.

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

Texts: Lecture: *Embryology of the Chick, Patten.*

Manual of Histology and Organography, Hill.

Laboratory: *Laboratory Guide in Vertebrate Embryology.*

Laboratory Guide in Vertebrate Histology.

Biology 5. Comparative Anatomy.

In this course a comparative study is made of the skeletal, integumentary, muscular, digestive, circulatory, uro-genital, and nervous systems in the dogfish, necturus, turtle, pigeon and rabbit. Detailed dissections of the dogfish, necturus, turtle and pigeon are made in the laboratory. The dissection of the rabbit is presupposed from course 10.

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

Texts: Lecture: *Biology of Vertebrates, Walter.*
Laboratory: *Vertebrate Zoology, Pratt.*

Biology 6. Histological Technique.

The manner of preparing microscopic slides by means of the paraffin, celloidin, and freezing methods is considered. A certain number of well prepared slides are required of all students.

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

Text: *Laboratory Guide in Technique.*

Biology 10. Anatomy of the Rabbit.

This course is supplementary to Biology 12 and consists of a detailed study of the rabbit according to the regional method of presentation. Along with the anatomy a modicum of physiology will be given for the purpose of elucidating the anatomy.

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

Texts: Lecture: *Professor's Notes on the Anatomy of the Rabbit.*
Human Physiology, Stiles.

Laboratory: *Laboratory Guide on the Anatomy of the Rabbit.*
Plates on the Anatomy of the Rabbit.

Biology 11. General Botany.

This course aims to give a general view of the plant kingdom. In the beginning a study of the vegetative organs of the flowering plant is undertaken. This study includes a consideration of the gross and minute structures together with their various modifications and their physiology. Then follows a study of the plant cell, nuclear and cell division and the meiotic divisions. After this a complete synoptic series of the various phyla is pursued. Special studies are made of the reproductive organs of the flowering plant.

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

Texts: Lecture: *Botany, Rickett and Robbins.*

Laboratory: *Laboratory Guide in General Botany.*

Biology 12. General Zoology.

This course is intended to give a general survey of the animal kingdom. As an introduction a relatively complex animal, the frog, is rapidly considered as regards structure and physiology. With this

preparation begins the study of the protozoa. This is followed by a study of the animal cell, nuclear and cell division in the animal cell and the meiotic divisions. At this point a study of the laws of heredity is undertaken; the fruit fly serves as a specimen of exemplification. The rest of the synoptic series of the invertebrates is then covered.

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

Texts: Lecture: *College Zoology, Hegner.*

Laboratory: *Laboratory Guide in General Zoology.*

Biology 13. Vertebrate Embryology.

This course considers the early history of the gametes and the segmentation of the fertilized egg through the formation of the three germ layers in the sea urchin, amphioxus, and frog. Then a detailed study of the chick embryo from the primitive streak through the 72-hour stage is taken up. The course is completed with a study of the further development of the vertebrate as gained from the 10 mm. pig.

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

Texts: Lectures: *Embryology of the Chick, Patten.*

Embryology of the Pig, Patten.

Laboratory: *Laboratory Guide in Vertebrate Embryology.*

Biology 14. Vertebrate Histology.

This course comprises a study of the fundamental tissues and a detailed study of the various organs of the mammalian body.

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

Texts: Lecture: *Manual of Histology and Organography, Hill.*

Laboratory: *Laboratory Guide in Vertebrate Histology.*

Biology 16. Genetics.

This course is designed to acquaint the student with the fundamentals of heredity and variation. Among the topics discussed are: history of genetics, importance of genetics, Mendelian inheritance, chromosome theory, sex determination, linkage, interaction of factors, chromosome complex, hybridization, and practical applications.

Two lecture periods per week for one semester.

Two semester hours credit.

Text: *Textbook of Genetics, Lindsey.*

CHEMISTRY

Chemistry 1. 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.

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

Six semester hours credit.

Texts: Lecture: *College Chemistry, Smith.*

Laboratory: *Professor's Outlines.*

Chemistry 2. 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.

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

Eight semester hours credit.

Texts: Lecture: *Inorganic Chemistry, Smith.*

Quiz: *Chemical Calculations, Meyer.*

Laboratory: *Experimental Inorganic Chemistry, Smith.*

Chemistry 5. Organic Chemistry.

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

Eight semester hours credit.

Texts: Lecture: *Introduction to Organic Chemistry, Williams.*

Organic Chemistry, Bernthsen-Sudborough.

Laboratory: *Laboratory Book of Organic Chemistry, Lowry-Baldwin.*

Chemistry 6. Colloidal Chemistry.

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

Four semester hours credit.

Texts: Lecture: *Colloidal Chemistry, Ware.*

Laboratory: *Professor's Outlines.*

Chemistry 7. Physical Chemistry.

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

Eight semester hours credit.

Texts: Lecture: *Outlines of Theoretical Chemistry, Getman.*

Laboratory: *Laboratory Manual of Physical Chemistry, Davidson and VanKlooster.*

Chemistry 8. Qualitative Organic Analysis.

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

Three semester hours credit.

Text: *Qualitative Organic Analysis, Kamm.*

Chemistry 9. Ultimate Organic Analysis.

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

Three semester hours credit.

Texts: *Organic Combustions, Fisher, and Professor's Outlines.*

Chemistry 12. Chemical Problems.

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

Two semester hours credit.

Texts: First semester, *Elementary Chemistry Calculations, Meyer.*

Second semester, *Oxidation-Reduction Reactions, Jette.*

Chemistry 13. Qualitative Analysis.

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

Four semester hours credit.

Text: *Qualitative Chemical Analysis, A. A. Noyes.*

Chemistry 14. Quantitative Analysis.

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

Four semester hours credit.

Text: *Inorganic Quantitative Analysis, Fales.*

Chemistry 16. Organic Problems.

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

Four semester hours credit.

Text: *Professor's outlines.*

ENGLISH

English 3. Literature.

A thorough study of literature, its characteristic qualities, its position among the other fine arts; the four elements of literature—Emotion, Imagination, Thought and Form, a discussion of each element; divisions of literature.

A study of prose, its nature and province; the formal and informal essay; short story.

A study of poetry, its nature and province; distinctive features of poetic diction, emotional, imaginative and intellectual elements of poetry; Spenserian stanza; sonnet; epic; lyric; and dramatic poetry with special emphasis on Shakespearean drama.

Three hours per week for two semesters.

Six semester hours credit.

Texts: Lecture: *Study of Poetry, Connell.*

Poems of Francis Thompson, Connolly.

Reading: *Golden Treasury, Palgrave.*

Essay on Literature, Newman.

Idea of a University, Newman.

Essay on Poetry, Watt.

The Tempest; Romeo and Juliet, Shakespeare.

Short Story, Selections.

English 4. English Literature, History and Criticism.

The Age of Shakespeare. The Essayists of the Nineteenth Century. The Age of Milton. The Romantic Movement. Victorian Poetry.

One hour per week for two semesters.

Two semester hours credit.

Texts: *English Literature, Brother Leo.*

Anthology, Snyder & Martin.

English 5, 6. Precepts of Oratory and Shakespeare.

The theory of art and 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 two semesters.

Six semester hours credit.

Texts: Lecture: *Persuasive Speech, Donnelly.*

Analysis: *Bristol Speech; Speech on Conciliation, Burke.*

Second Spring, Newman.

Selections, Bradley.

English 8. English Literature of the Eighteenth Century.

The Neo-classicism of Pope; the rise of the periodical essay (Addison and Steele); miscellaneous prose: DeFoe, Swift; the rise of the English novel: Richardson, Fielding, Smollett, Sterne; Johnson and his circle: Boswell, Burke, Gibbon; the drama: Goldsmith, Sheridan; diarists and letter-writers: Burney, Montague, Walpole, Chesterfield; transition to naturalism and romance: Collins, Gray, Cowper, Crabbe, Blake, Burns. Outside reading in selected works of each author with frequent written reports.

Three hours per week for one semester.

Three semester hours credit.

Text: *Professor's Notes.*

English 10. English Literature, History and Criticism.

The Age of Dryden. Classical Influence. The Romantic Movement. The Novel. Victorian Poetry. Irish Contribution. The Twentieth Century.

One hour per week for two semesters.

Two semester hours credit.

Texts: *English Literature, Brother Leo.*
Anthology, Snyder & Martin.

English 14. History of English Literature.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *English Literature, Brother Leo.*
Anthology, Snyder and Martin.

English 17. The English Novel in the Nineteenth Century.

Major novelists: Jane Austen, Scott, Dickens, Charles Reade, Thackeray, Charlotte Brontë, George Eliot, Charles Kingsley, R. L. Stevenson, George Meredith, Thomas Hardy.

Lesser novelists: Miss Edgeworth, Miss Ferrier, John Galt, Frederick Marryat, Bulwer Lytton, Disraeli, George Borrow, Wilkie Collins, Anthony Trollope, Elizabeth Gaskell, Emily Brontë, Richard Blackmore.

Three hours per week for one semester.

Three semester hours credit.

Text: *Professor's Notes.*

English 19. English Literature of the Nineteenth Century from the Lyrical Ballads to the Death of Scott.

The general characteristics of the romantic movement; the Wordsworth group: Wordsworth, Coleridge, Southey; the narrative poetry of Scott and the historical novel; the essayists: Hazlitt, Lamb, Hunt, Lan-

dor, De Quincey; the Shelley group: Keats, Shelley, Byron. Outside reading in selected works of each author with frequent written reports.

Three hours per week for one semester.

Three semester hours credit.

Text: *Professor's Notes*.

English 20. Victorian Poetry and Prose (excepting the Novel).

Alfred Tennyson; Robert Browning; Elizabeth Barrett Browning; Matthew Arnold; The Pre-Raphaelite Group: D. G. Rossetti, Christina Rossetti, William Morris, A. C. Swinburne; Miscellaneous Poets: Arthur Hugh Clough, Coventry Patmore, Francis Thompson, Edward Fitzgerald, James Thomson. Prose: Thomas Carlyle, John Ruskin, Thomas Babington, Macaulay, John Henry Newman, Walter Pater.

Three hours per week for one semester.

Three semester hours credit.

Text: *Professor's Notes*.

English 30. Contemporary British and Irish Literature. (1890-1910).

A survey of authors and movements in British and Irish poetry, drama and fiction. A review of the Aesthetic School and the Decadents and the influence of Arnold, Pater and the French writers on the men of the 'Nineties. The Irish Revival. Changes in the English drama: influence of Shaw and Ibsen. The Realists in poetry: Kipling, Masfield, Henley.

Three hours per week for one semester.

Three semester hours credit.

Text: *Contemporary British Literature. Manly and Rickert.*

English 31. Contemporary British and Irish Literature. (1910-1930).

A survey of authors and movements in British and Irish poetry, drama and fiction. Georgian Poetry. Later movements. Shaw, Wells, Chesterton, Belloc. Twentieth Century developments in the novel. Bennett, Galsworthy. Non-fiction. Modern biography. Modern tendencies in literature. Continuance of Irish movements.

Three hours per week for one semester.

Three semester hours credit.

Text: *Contemporary British Literature. Manly and Rickert.*

English 33A. Contemporary American Literature. (1888-1914)

This course presents the main literary and social movements of American Literature from 1888 to 1914. Emphasis is placed on the

clamor for reform and the literary works of the reformers. A modern literature and its philosophy of life will be studied in the light of the philosophical principles of Scholasticism. The reading will include the representative fiction writers and poets of the period: Garland, Smith, Guiney, Carman, Hovey, Bierce, Crane, Ford, Tarkington, Churchill, Norris, Moody, Wharton, London, O. Henry, Upton Sinclair, and Mackaye.

Three hours per week for one semester.

Three semester hours credit.

Texts: *The Social Revolt*, Oscar Cargill.

Modern American Poetry, Untermeyer.

English 33B. Contemporary American Literature. (1914-1930)

This course attempts to give a comprehensive account of the literary movements in American Literature from 1914 to 1930. An increasing dissatisfaction will be noted with literary standards of the past. The growth of Naturalism in the novel and the drama and the interpretation of life based on sceptical and Freudian philosophies will be discussed. The reading will include some of the principal poets and prose writers of the Period: Robinson, Dreiser, Pound, Masters, Lowell, Lindsay, Teasdale, Millay, Frost, Mencken, Anderson, Lewis, Hergeheimer, Cabell, Cather, Eliot, Jeffers and Eugene O'Neill.

Three hours per week for one semester.

Three semester hours credit.

Texts: *Contemporary Trends*, J. H. Nelson.

Modern American Poetry, Untermeyer.

English 34A. American Literature. (1830-1860)

The purpose of this course is to give an appreciative interpretation of the American Authors who flourished from 1830 to 1860 together with extensive readings in their prose and poetry. The spirit of American idealism expressed in the writings of Poe, Emerson, Hawthorne, Thoreau, Whittier, Longfellow and Lowell will receive careful consideration. New England Transcendentalism will be treated in its influence on the writers of this period.

Three hours per week for one semester.

Three semester hours credit.

Text: *The Romantic Triumph, 1830-1860*. Tremaine McDowell.

English 34B. American Literature. (1860-1888)

The purpose of this course is to study the radical change in American Literature between the years, 1860 and 1890. Four focal points of interest will be noted: (1) The Decline of Romanticism; (2) The

Bases of Realism, embracing the work of the Western Humorists, Folk Literature and the progress of Realism and local color; (3) The contribution of the three most important realists of the period, Twain, Howells and James; (4) The progress toward Naturalism. An attempted evaluation will be made of the literary influence of Whitman, Lanier, Harte, Miller, Twain, Howells, James, and Emily Dickinson. The novelists, Wallace, Jackson, Crawford, will be read as contrast study.

Three hours per week for one semester.

Three semester hours credit.

Text: *The Rise of Realism, Louis Wann.*

English 35A. Journalism.

The history of the newspaper. Its growth. The make-up of a newspaper. News and news values. Gathering news. Preparation of copy. Newspaper English. The writer's viewpoint. Accuracy and its importance. News stories, structure and style. Rewrite stories. Copy editing. Proof reading. Headline writing. The editorial.

Class assignments in practical newspaper work on the College publication, *The Tomahawk*, will be required in this course, as the course in Journalism includes work in Public Relations.

Three hours per week for two semesters.

Six semester hours credit.

English 35B. Journalism.

The feature story. Special types of stories. The make-up of the newspaper. Balancing the page. Newspaper syndicates. The press and its ideals. The function of the newspaper. The ethics of the press. The law of libel. The editorial.

Class assignments in practical newspaper work on the College publication, *The Tomahawk*, will be required in this course, as the course in Journalism includes work in Public Relations.

Three hours per week for two semesters.

Six semester hours credit.

English 37. English Composition and Commercial Correspondence.

The essentials of thought and style in writing and speaking. A brief consideration of colloquial language and the language of business. Comprehensive treatment of the problems and language of business letters.

Three hours per week for one semester.

Three semester hours credit.

English 38. Shakespeare.

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

Lectures, readings and written papers.
Three hours per week for one semester.
Three semester hours credit.

Text: *Complete Works of William Shakespeare, Clark and Wright.*

English 39. Shakespeare.

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

Lectures, readings and written papers.
Three hours per week for one semester.
Three semester hours credit.

Text: *Complete Works of William Shakespeare, Clark and Wright.*

English 40. Shakespeare.

The Tragedies: "Coriolanus"; "Othello"; "Antony and Cleopatra"; "Cymbeline"; "Timon of Athens."

Lecturers, readings and written papers.
Three hours per week for one semester.
Three semester hours credit.

Text: *Complete Works of William Shakespeare, Clark and Wright.*

English 41. Shakespeare.

The Comedies: "Much Ado About Nothing"; "As You Like It"; "Twelfth Night"; "Love's Labor Lost"; "All's Well That Ends Well."

Lectures, readings and written papers.
Three hours per week for one semester.
Three semester hours credit.

Text: *Complete Works of William Shakespeare, Clark and Wright.*

English 42. Shakespeare.

The Comedies: "Merry Wives of Windsor"; "A Midsummer Night's Dream"; "The Taming of the Shrew"; "Measure for Measure"; "The Winter's Tale."

Lectures, readings and written papers.
Three hours per week for one semester.
Three semester hours credit.

Text: *Complete Works of William Shakespeare, Clark and Wright.*

English 43. "Oedipus Tyrannus" and "De Corona."

The reading in English of Sophocles' "Oedipus Tyrannus," with character study and analysis, and study of the development and function of Greek Tragedy.

The reading in English of Demosthenes' Speech on the Crown with rhetorical analysis and criticism.

Three hours per week for two semesters.

Six semester hours credit.

English 44. Law Methods.

Note taking; briefing of speeches and law cases; delivery of speeches from briefs.

Two hours per week for two semesters.

Four semester hours credit.

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.

Text: *An Introduction to Greek, Crosby and Schaeffer.*

Greek 3. Intermediate Greek.

The reading of selected passages in the original from the first six books of the Iliad, together with a comprehensive knowledge of the entire epic based upon the Lang, Leaf, Myer edition. Sight reading is based on the Anabasis of Xenophon.

Three hours per week for one semester.

Three semester hours credit.

Texts: *An Introduction to Greek, Crosby and Schaeffer.*

Homer's Iliad, Keep.

Translations, Chapman.

Xenophon, Harper and Wallace.

Greek 4. Intermediate Greek.

The reading of the Greek tragedy, *Hecuba*, together with a study of the Greek tragedy viewed in the light of the principles of dramatic poetry as exemplified in Connell's Text-book on Poetry. The *Apology* of Plato. References: Jebb, Browne, Murray, Moulton, Dyer, Flagg, Stock, Xenophon's *Memorabilia*.

Three hours per week for one semester.

Three semester hours credit.

Texts: *Euripides' Hecuba, Bond and Walpole.*
Plato's Apology, Jowett.
Text-book on Poetry, Connell.

Greek 5. Advanced Greek.

The reading of the *Odyssey* of Homer, together with a careful study of the introduction, and continuous reference to the notes and vocabulary. The 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.

Three hours per week for one semester.

Three semester hours credit.

Texts: *Homer's Odyssey, Goodwin.*
Plato's Apology, Kitchel.

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 careful reading of Euripides' "*Hecuba*," with a thorough study of the Greek tragedy, its spirit and structure, and the Greek stage; the study of Euripides, the dramatist, by the reading of selections from his other plays. Sight reading in selections from Herodotus.

Three hours per week for one semester.

Three semester hours credit.

Texts: *Euripides' Hecuba, Bond and Walpole.*
Demosthenes' Olynthiacs, Tyler.

Greek 7. Intermediate Greek.

A comprehensive knowledge of the story of the *Iliad* from the close reading of the translation of Lang, Leaf, and Myer edition is assumed. Likewise credit for approximately 1500 lines of the original text of the *Iliad* is required.

The *Odyssey* of Homer: Book IX is read, together with a careful study of the introduction, and continuous reference to the notes

and vocabulary. References: Jebb, Lang, Leaf, Murray, Gladstone. Translation—Butcher and Lang, Cowper, Worsley, Bryant.

The reading of selections from Herodotus with careful study of his style and value as an historian.

Three hours per week for one semester.

Three semester hours credit.

Texts: *Odyssey*, Goodwin.

Tales from Herodotus, Farnell.

Greek 8. Intermediate Greek.

The reading of Euripides' "Hecuba," with a thorough study of Greek tragedy, its spirit and structure, and the Greek stage. The reading of the First Philippic of Demosthenes, with a careful study of the life and political activities of the orator.

Three hours per week for one semester.

Three semester hours credit.

Texts: *Euripides' Hecuba*, Bond and Walpole.

Demosthenes' Philippics, Tyler.

Greek 9. 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.

Three hours per week for one semester.

Three semester hours credit.

Texts: *Oedipus Tyrannus of Sophocles*, White.

Demosthenes' Philippics, Tyler.

Greek 10. Advanced Greek.

A careful study of Demosthenes' "De Corona" with comparative study of Aeschines against Ctesiphon.

Three hours per week for one semester.

Three semester hours credit.

Text: *Demosthenes' De Corona*, Tyler.

GERMAN

German 1. Elementary German.

A thorough drill in the rudiments of the grammar, supplemented by the writing of English prose into German, involving the more usual

syntactical constructions; drills in dictation and conversation; translation of selections from modern authors into idiomatic English.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *German Grammar, Bacon.*

German Scientific Reader, Kip.

Märchen und Ergählungen I and II.

German 3. Intermediate German.

Reading of modern and classical authors; a thorough review of the grammar, supplemented by the writing of English prose into German, involving all syntactical constructions; dictation; discussion in German of the scientific theories exposed by the authors read.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *German Grammar, Bacon.*

Krüger and Smith's German Conversation Book.

Jungfrau von Orleans, Schiller.

Chemical German, Greenfield.

German 4. Advanced German.

The study of the works of Goethe, Schiller, and other important authors of the classical period.

Three hours per week for two semesters.

Six semester hours credit.

HISTORY

History 6. Mechanics of History, a Discussion of Evolution, a review of Ancient History (First term); Christian Antiquity to the Reformation (Second Term).

Two hours per week for two semesters.

Four semester hours credit.

Texts: *Medieval Foundations of Western Civilization, Sellery and*

Krey.

Professor's Notes.

History 7. Europe, From the Renaissance through the Reformation, to the French Revolution.

Two hours per week for two semesters.

Four semester hours credit.

Texts: *The Renaissance and the Reformation, Lucas.*

Professor's Notes.

History 9. 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.

Text: *American National Government, Orth and Cushman.*

References: *History of the Constitution, Cooley.*

*A Constitutional History of the United States,
McLaughlin.*

History 10. Constitutional History of the United States.

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.

Texts: *Leading Constitutional Decisions, Cushman.*

Professor's Notes.

History 11. Modern European History.

This course completes the course in general history already partly taken up in Freshman and Sophomore years. In scope it treats of the Modern Age, finding its beginnings in the Social Revolutions which came after the sixteenth century, the Parliamentary Revolution of 1688 in England, the French Revolution of 1789, the Commercial and Industrial Revolutions, and the general changes of the past several centuries which have chiefly produced the history of modern culture. The course deals with the development of modern democracy in various countries and proceeds through changes in political viewpoints up to the present phenomena of Fascism, the Totalitarian State, and Communism. In finer detail it studies Causes of the French Revolution, the Napoleonic Period, the modern history of France, Germany and

England. Special emphasis is placed upon the social, economic, cultural and religious tendencies of the past recent generations. It is a course in Contemporary Civilization.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Modern and Contemporary European History, Shapiro.*
Professor's Notes.

History 12. The History of the United States.

A study of the political, social, and economic development of the American nation, from Colonial times. Lectures, library readings, and reports.

Three hours per week for two semesters.

Six semester hours credit.

History 13. The Civil War and Reconstruction.

A consideration of the political and military problems of the American nation in the period between 1850 and 1877.

Three hours per week for one semester.

Three semester hours credit.

History 14. The United States from 1870 through the World War.

A study of the economic and social changes in American life consequent upon the period of reconstruction, the completion of the westward movement, the Spanish-American War, and the part played by the United States in the World War.

Three hours per week for one semester.

Three semester hours credit.

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.

Four semester hours credit.

Texts: *Orations of Cicero, Bennett.*

Works of Horace, Bennett.

Aeneid, Book IX, Stephenson.

Latin 2. Horace and Cicero.

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.

Four semester hours credit.

Texts: *Works of Horace, Bennett.*

Selections from Livy.

Latin 3. Composition.

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

Two semester hours credit.

Latin 6. Composition.

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

Two semester hours credit.

Latin 11. 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."

Three hours per week for one semester.

Three semester hours credit.

Texts: *Orations of Cicero, Bennett.*

Tacitus, Annales, Holy Cross Press.

Latin 12. Cicero, Horace, Juvenal.

This course is obligatory for all Sophomore students in the A.B. course. Prerequisite: *Latin 11*.

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

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

Three hours per week for one semester.

Three semester hours credit.

Texts: *Orations of Cicero, Bennett.*

Works of Horace, Bennett.

Juvenal, Selections, Holy Cross Press.

Latin 15. Cicero—De Oratore.

A study of Cicero's views on the essential qualities and on the function of the Orator.

Three hours per week for one semester.

Three semester hours credit.

Text: *Cicero: De Oratore, Peterson.*

Latin 16. Quintilian—Institutio Oratoria.

A general survey of the subject matter and scope of Quintilian's work, with translation from Book X.

Three hours per week for one semester.

Three semester hours credit.

MATHEMATICS

Mathematics 2. Advanced Algebra, Introduction to Mathematical Analysis.

A basic course designed to furnish a foundation for work in the sciences. About one-third of the course is devoted to a review of Elementary Algebra and to advanced topics in Algebra; the remaining time is given to Mathematical Analysis including Trigonometry, Analytic Geometry, Differentiation and Integration of Algebraic Functions.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Introduction to Mathematical Analysis, Griffin.*

Mathematics 3. Higher Mathematical Analysis.

A continuation of Mathematics 2 including advanced topics in Differentiation and Integration; Series; Analytic Geometry of three dimensions; Differential Equations of the first order.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Introduction to Mathematical Analysis, Griffin. Elements of Differentiation and Integral Calculus, Granville, Smith and Longley.*

Mathematics 5. Vector Analysis: Advanced Calculus.

The course is given under the following subdivisions: differentiation of standard elementary forms; simple applications of the derivative; successive differentiation; maxima and minima; differentials; rates; change of variable; curvature; indeterminate forms; partial differentiation; envelopes; series; expansion of functions; asymptotes; integration of standard elementary forms; definite integral; integration of rational fractions; rationalization; integration, a process of summation; successive and partial integration.

Two hours per week for two semesters.

Four semester hours credit.

Texts: *Professor's Notes.*

Theoretical Physics, Page.

Reference: *Advanced Calculus, Osgood and Wilson.*

Mathematics 8. Differential Equations.

An introductory course in differential equations, covering equations involving two variables.

Two hours per week for two semesters.

Four semester hours credit.

Text: *Differential Equations, Phillips and Cohen.*

Mathematics 10. Advanced Algebra, Trigonometry and Coordinate Geometry.

A thorough review of Elementary Algebra is followed by topics in Advanced Algebra including general methods of solving n th degree equations; Trigonometry and Trigonometric Analysis; Coordinate Geometry of the straight line.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Fundamentals of College Mathematics (Chapters I to X), Helliwell, Tilley, Wablert.*

Mathematics 11. Coordinate Geometry, Differential and Integral Calculus.

A continuation of Mathematics 10 including differentiation and integration of algebraic, trigonometric, exponential and logarithmic functions with applications; conic sections; polar coordinates; progressions and expansions.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Fundamentals of College Mathematics (Chapters XI to XXI), Helliwell, Tilley, Wablert.*

Mathematics 12. **College Algebra.**

A course in Algebra designed for those who will take no further mathematical work. After a review of fundamental algebra, the following topics are considered: quadratic equations; progressions; compound interest and annuities; permutations and combinations probability; determinants.

Three hours per week for two semesters.

Six semester hours credit.

Text: *College Algebra, Kubn and Weaver.*

PHILOSOPHY

Philosophy 1. **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 divisions; deduction and induction, complete and incomplete.

Seven hours per week for one-half semester.

Three semester hours credit.

Text: *Logic and Epistemology, Cotter.*

Logic, Murphy.

Philosophy 2. **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 general and partial causes of falsity; 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; rejection of false theories; Objective Evidence, the ultimate criterion of truth.

Seven hours per week for one-half semester.

Three semester hours credit.

Text: *Logic and Epistemology, Cotter.*

Philosophy 3. Ontology.

The importance of this course lies in the fact that it establishes certain and valid principles that form the basis of advanced work in Natural Theology.

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; rejection of Locke's theory; causality: efficient, formal, material and final—definition and proof of their objectivity—rejection of Occasionalism; Infinite and finite; nature and person.

Seven hours per week for one-half semester.

Three semester hours credit.

Text: *Ontology, Shea.*

Philosophy 4. 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: the nature of matter and form; 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.

Text: *Cosmology, Holy Cross Press.*

Philosophy 5. 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.

Text: *Fundamental Psychology, Dolan.*

Philosophy 6. 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, Berkley, 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.

Texts: *Advanced Psychology, Dolan.*
Psychology, Maher.

Philosophy 7. 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, Höffding; origin and destiny of the human soul; refutation of Anthropological Evolution.

Five hours per week for one-half semester.

Two semester hours credit.

Texts: *Advanced Psychology, Dolan.*
Psychology, Maher.

Philosophy 8. Natural Theology.

The Existence of God: Monotheistic philosophers on our knowledge of the existence of God; Ontologism—Malebranche, Gioberti, Rosmini; Traditionalism; ontological proof of St. Anselm, Descartes, Leibnitz, for the existence of God; the metaphysical proof; the argument from design; the moral proof; Kant, Mill, Spencer, Mallock, et al., on the proofs of God's existence. 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: Spinoza, Fichte, Schelling, Hegel; Anthropomorphism; Herbert Spencer, on the anthropomorphic idea of God.

The Divine Attributes: immortality, eternity and immensity of God; St. Thomas, Lessius, Newton, Clarke, on the Immensity of God; simplicity and infinity of God; the Divine Intellect and Knowledge; Foreknowledge of God; Objections against the Divine Foreknowledge of

free actions; the Divine Will; freedom of the Divine Will; Omnipotence of God; Mill's objections against the Divine Omnipotence.

Concurrence of God in the Actions of Creatures: preservation of creatures; supernatural, natural, mediate and immediate concurrence; St. Thomas and "Promotion"; 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.

Text: *Natural Theology, Dolan.*

Philosophy 9. 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.

Texts: *Professor's Notes.*

History of Philosophy, Turner.

History of Philosophy, Coppens.

Philosophy 10. General Ethics.

Definitions, nature, object, necessity of Ethics; false theories regarding the fundamental principles of Ethics; the ultimate end of man; beatitude; the human act; merit and accountability; the passions; virtue and vice; morality of human acts; false opinions of the nature of morality; the norm of morality and false norms; 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; false theories on the origin of moral obligation; Kant's categorical imperative; Conscience.

Five hours per week for one semester.

Four semester hours credit.

Text: *Fundamental Ethics, Sullivan.*

Reference: *Readings in Ethics, Leibell.*

Philosophy 11. Special Ethics.

Man's duty to his Creator; obligations of accepting Divine revelation; the obligation of inner and outer worship to God; 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.

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.

Text: *Special Ethics, Sullivan.*

Reference: *Readings in Ethics, Leibell.*

Philosophy 12. Seminar. The Seminar which is conducted by the Philosophical Academy is held once a week throughout the year. Philosophical essays and discussions on the various philosophical problems by members of the Aquinas Circle constitute the routine work of the Seminar.

One semester hour credit.

PHYSICS

Physics 1. General Physics.

This course is intended to give the student an appreciation of the physical phenomena and their laws and it provides a solid basis for a more advanced study of the subject. The method of treatment is historical and physical rather than mathematical. The fundamental principles of the mechanics of solids, liquids and gases, wave motion and radiation, sound, heat, light, magnetism, and electricity are treated in the lectures. The lectures are illustrated by numerous and varied lecture-table demonstrations, lantern slides and moving pictures.

The laboratory work is arranged as a complement of the lecture course, so that the student has an opportunity to verify by personal

observation and calculation the various laws and their applications. In this part of the course, method in observations and records is insisted upon. The elementary theory of physical measurements and discussion of errors with their applications in written reports are required of the students.

Three lecture hours and one laboratory hour per week for two semesters for A.B. Premedical Course and B.S. Biology Course.

Two lecture hours and one laboratory hour per week for two semesters for A.B., B.S. Economics, B.S. Education and B.S. History Courses.

Eight and six semester hours credit respectively.

Texts: Lecture: *College Physics, Foley. An Introductory Course in College Physics, Black.*

Laboratory: *Professor's Notes.*

Physics 2. Mechanics, Heat and Sound.

A mathematical treatment designed to meet the needs of the student desirous of pursuing major subjects in Chemistry or Physics.

The course is given under the following sub-divisions: physical magnitudes, units and measurements; properties of matter in general; the nature and the measure of force; work, energy and power; equilibrium; motion of solid bodies; gravitation; machines, friction; properties of elastic bodies; pressure in liquids; flowing liquids; vibrations and waves; temperature and thermal expansion; effects and measurement of heat, gases and vapors; thermal energy and heat engines; diffusion, transfer of thermal energy; sound; musical instruments and the scale.

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

Eight semester hours credit.

Texts: Lecture: *Physics, Hausmann and Slack.*

Laboratory: *Taylor, Watson and Howe.*

Physics 3. Light, Magnetism and Electricity.

A continuation of Course 2 given under the following sub-divisions: magnetism, electric charges; steady electric currents; electro-chemical phenomena; electromagnetism; induced and variable currents; electro-oscillations and electric waves; ions in gases and electrons in atoms; light and its measurement; mirrors and prisms; lenses and optical instruments; color; polarized light.

The laboratory work proceeds with the lecture course. The theories of measurements and graphical methods are insisted upon and the student is required to apply these to all laboratory reports.

Each student is required to submit each semester an essay on some subject analogous to the lecture matter.

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

Eight semester hours credit.

Texts: Lecture: *Physics, Hausmann and Slack.*

Laboratory: *General Physics for the Laboratory, Taylor, Watson and Howe.*

Physics 4. Modern Physics.

The following subjects are treated: alternating current; electromagnetic theory of radiation; properties of moving charged bodies; the electron; kinetic theory of gases; thermionics; the photoelectric effect; x-rays and some applications.

Three lecture hours per week for two semesters.

Six semester hours credit.

Text: *Modern Physics, Jauncey.*

Physics 5. Modern Physics.

A continuation of *Physics 4*, treating the following topics: Bohr theory of spectra; periodic law and atomic structure; critical potentials; radio and television; radioactivity and isotopes; geophysics; astrophysics; relativity; specific heats; electrical resistance; high frequency sound waves; recent ideas in physics.

Three lecture hours per week for two semesters.

Six semester hours credit.

Text: *Modern Physics, Jauncey.*

Physics 8. Mechanical Drawing.

First Term. Instruction in the correct use of drafting instruments and materials. Drawings are made in pencil and in ink, on paper and on tracing cloth and include isometric and oblique projections. Practice is given in lettering. Neatness and accuracy are required.

Second Term. A continuation of the above course giving instruction in simple perspective projections, the construction of conics and rolled curves, the making of dimensioned freehand sketches from machine parts and of accurate detail drawings from the sketches.

Two hours per week for two semesters.

Two semester hours credit.

Physics 9. Descriptive Geometry.

First Term. A study of the fundamental operations of orthographic projection and elementary problems on lines, planes and solids.

Instruction is given by means of lectures and individual class-room

supervision with special emphasis upon the student's ability to visualize the problems and methods of solution.

Second Term. A continuation of the above course including sections, developments, tangent lines and planes, and intersections of surfaces of revolution.

One hour per week for two semesters.

Two semester hours credit.

Physics 12. Applied Mechanics: Statics and Kinetics.

Coplanar concurrent forces; coplanar non-concurrent forces; non-coplanar forces; center of gravity, centroids; rectilinear motion; curvilinear motion; work, energy, power; moment of inertia of areas; moment of inertia of mass; motion of rigid bodies; impact; momentum; friction.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Elements of Practical Mechanics, MacInnes.*

Physics 13. Applied Mechanics: Strength of Materials.

Tension and compression within the elastic limit; combined stresses; torsion; 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.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Strength of Materials, Timoshenko.*

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.

Texts: *Elementary Italian Grammar, J. L. Russo.*

Nel Paese del Sole, J. L. Russo.

Italian 3. Intermediate Italian.

A brief review of grammar; more advanced composition, vocabulary tests, practice in conversation. Study of Italian Literature through

careful classroom translations and extensive outside reading. This course will prepare the student well enough to be able to read Dante's "Divine Comedy" the following year.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Elementary Italian Grammar*, J. L. Russo.

I Promessi Sposi, Manzoni.

La Locandiera, Goldoni.

Le Mie Prigioni, Silvio Pellico.

Selections from the Poets.

FRENCH

French 1. 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.

Texts: *New Chardenal French Grammar* (Grosjean).

Aventures par la Lecture, Bovee.

Complete Treatise of French Verb, Castarède.

Histoire de France, Vast-Jallifer (extra class).

French 3. 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 1. 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.

Texts: *New Chardenal French Grammar* (Grosjean).

Vingt et Un Contes, Irvin and King.

Pêcheur d'Islande, Loti.

Pour Apprendre à Parler, Keuny.

Short Stories of 19 Cent. (outside reading; authors assigned by Professor).

Les Oberlés, Bazin-Cabeen (outside reading).

French 4. Advanced French.

The aim of this course is an intensive study and survey of the 17th Century French Classic Drama, Corneille, Moliere, 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.

Texts: *College French, L. Mercier.*

Three Classic French Plays, (Le Cid-Les Préc. Ridic.-Andromaque), Seronde-Peyre.

Pour Apprendre à Parler, Keuny.

Histoire de la Civilization Français, Towles-La Grange.

Dictionary.

Le Misanthrope, Molière (outside reading).

Athalie, J. Racine (outside reading).

Cyrano de Bergerac, Rostand (outside reading).

French 5. 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.

Texts: *College French, L. Mercier.*

17th Century French Literature, an Anthology;—Princeton Press.

Selections of Bossuet, Wright (optional outside reading).

Book of French Verse, Lucas.

Idiom Collection (to be edited by Professor).

20th Century Plays, (to be selected by Professor).

Dictionary (unabridged).

SPANISH

Spanish 1. 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.

Texts: *Spanish Grammar, DeVitis.*

Spanish Reader, DeVitis.

España Y La America Española, Terzano.

Spanish 3. 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.

Texts: *Spanish Grammar, DeVitis.*

Don Quijote de la Mancha, Cervantes.

Lo Positivo, Tamayo.

Asi se escribe la Historia, Serafin y J. A. Quintero.

Spanish 4. A Survey of Spanish Literature.

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.

ECONOMICS

Economics 3. 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.

Texts: *Outlines of Economics, Ely.*

Case Book: Economic Principles, Vanderblue.

Economics 5. Financial Management.

This course treats a business undertaking from the point of view of the financial manager. A study of the types of investment securities, the procedure by which they are issued and sold, the influences which affect their prices and the principles used in judging their fitness as instrumentalities of finance.

The relation of general business to the peculiarities of the business cycle, forms of organization considered in their legal and economic aspects, financial and operating ratios in management, methods and policies of securing permanent, temporary and working capital, and other financial problems such as depreciation, reserves and management of income and surplus are considered in theory and in practice.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Elements of Business Finance, Bonneville.*

Financial Organization and Management, Gerstenberg.

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. Ample practice for students is provided.

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

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Accounting Theory and Practice (Volume I), Kester.*

Economics 7. 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.

Texts: *The Labor Problem in the United States, Cummins.*
The Christian Social Manifesto, Husslein.

Economics 8. 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, sources of supply, methods of perpetual inventory and its uses in purchasing.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Principles of Marketing, Maynard, Weidler and Beckman.*
Problems in Marketing, Copeland.

Economics 9. Mathematics of Finance.

An elementary treatise designed for students pursuing business electives. After a short review of the algebraic processes involved, the following topics are considered: simple interest and simple discount; compound interest and present value at compound interest; annuities; sinking funds and amortization; valuation of bonds; life insurance premiums.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Mathematics of Finance, Hulvey.*

Economics 10. Advanced 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 con-

nected 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.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Accounting Theory and Practice (Volume II)*, Kester.

Economics 11. **Economic History of the United States.**

Economic development from colonial days to the present time; 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 one semester.

Three semester hours credit.

Text: *Economic Development of the United States*, Lippincott.

Economics 12. **Business Economics.**

The chief objective of this course is to strengthen the students' 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.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Problems in Business Economics*, Vanderblue.

Economics 13. **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.

Text: *Money, Banking and Credit*, James.

Economics 14. 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.

Text: *Credit and Collection Principles and Practice, Chapin.* Also Professor's notes.

Economics 15. 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.

Text: *Statistics as Applied in Business, Young.*

EDUCATION

Education 9. 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: Educational agencies in ancient times, in the Classical Age, in the Middle Ages, and during the Renaissance; the growth of national systems of popular education; recent attempts to adjust curricula to the growing complexities of civilization with special emphasis on the present-day trend of the American school system.

Three hours per week for two semesters; six semester hours credit. (A.B. Course.)

Two hours per week for two semesters; four semester hours credit. (B.S. Education Course.)

Education 12. 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.

Education 13. 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 two semesters; six semester hours credit. (A.B. Course.)

Three hours per week for one semester; three semester hours credit. (B.S. Education Course.)

Education 14. 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.

Education 15. 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.

Education 16. Special Methods in French.

The purpose of this course is to acquaint those who are preparing to teach French with the aim, scope and technique of French courses offered in approved high schools.

Scope: A comparative study of the direct, indirect and combined methods of teaching French; review of standard literary works used in high school; practice in creating appropriate classroom atmosphere by the introduction of historical and geographical projects growing out of the work under consideration; emphasis on the acquisition of an easy conversational manner through the constant use of French in all class activities.

Three hours per week for one semester.

Three semester hours credit.

Education 18. Special Methods in History.

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

Scope: A brief survey of the field of History; a compilation of data relating to text, laboratory and source material; theory and practice in planning appropriate learning exercises; a study of the technique of the quiz, the topical recitation, the project and problem as they apply to the teaching of History; the use and abuse of standard tests and measurements.

Three hours per week for one semester.

Three semester hours credit.

Education 19. Special Methods in Physical Education.

The aim of this course is to develop skill in prospective teacher-athletic coaches and physical training directors.

Scope: Demonstration and practice in handling groups in the gymnasium; techniques of directing floor drill, apparatus work and indoor sports; correct evaluation of the principles involved in recreative exercises, muscle control and sportsmanship through oral and written discussions.

Three hours per week for one semester.

Three semester hours credit.

Education 21. Special Methods in Latin.

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

Scope: A brief review of the mechanics of Latin grammar, application of principles of syntax in the composition of themes; practice in reading the better known Latin writers.

Three hours per week for one semester.

Three semester hours credit.

Education 23. 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.

Education 24. 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.

Education 25. Introduction to Teaching.

Purpose: To enable the prospective teacher to form some concept of the nature of the present day high school and acquaint him in some detail with the problems of class management and of instruction.

Scope: The nature and scope of secondary education; the high school pupil; the high school teacher; discipline in high school; the methods of the class period; the question as a method of instruction; the lesson plan; supervised study.

Two hours per week for two semesters.

Four semester hours credit.

Education 30. An Introduction to Education.

A survey of the changing world, beginning with the mediaeval synthesis and tracing summarily the revolutions in the thought and life of the modern period and the variations of educational theory and practice during this time in Europe and the United States. This historical survey is followed by a preview of the psychological, the sociological, and the religious foundations of the new science of education, in reference to curriculum, methods, and administration.

One hour per week for two semesters.

Two semester hours credit.

Education 31. The History of Education in the United States.

A study of the Colonial Period, of transplanted, the early national period, of transition, the revival and secularization, the system-

atization in the period after the Civil War, the four-step educational ladder, the present period, or reorganization.

Three hours per week for one semester.

Three semester hours credit.

Education 32. The Teaching of Algebra.

This course will provide a training for prospective teachers of Algebra by thoroughly reviewing the content matter of Algebra. Methods of teaching each topic will be considered with provisions being made for demonstration lessons by members of the class. Practical classroom problems will be discussed, such as frequency of tests systems of marking, home assignments, standards and norms with particular reference to College Board requirements. An opportunity will be provided for the prospective teacher to become familiar with the newer type tests in the field such as the aptitude, prognosis and diagnostic type tests.

Three hours per week for two semesters.

Six semester hours credit.

Education 33. The Teaching of Geometry and Trigonometry.

This course presupposes the completion of Course 32. It aims to train the prospective teacher of Geometry and Trigonometry by thoroughly reviewing the content matter. Methods of teaching both subjects will be considered with provisions for demonstration lessons by members of the class. Practical classroom problems will be discussed. The student will become familiar with the newer type tests in both fields.

Geometry will be covered during the first semester.

Trigonometry will be covered during the second semester.

Three hours per week for two semesters.

Six semester hours credit.

JURISPRUDENCE

Jurisprudence 1. Elements of Jurisprudence.

This course is recommended for pre-legal students. It includes a survey of the chief fundamental notions, divisions, and principles of the law. The student is introduced to such basic legal concepts as Rights, Duties, Persons, Liabilities, Status, etc. The several divisions of law pertaining to legal business are made clear, the various divisions of the Public and Private Law being emphasized. As a background for the student's future study of cases, the legal principles

underlying the diverse fields of law are indicated. The course gives a preliminary treatment of such important fields of law as Contracts, Torts, Ownership, Possession, Mortgages, Securities, Conveyances, Obligations, Personal Property, Real Property, etc. In addition, the relationship of Jurisprudence to the natural law is stressed. An account of the history of Jurisprudence is given during the latter part of the course. This deals with the histories of the Babylonian, Hebrew, Hindu, Greek, Roman, and Common Laws.

Three hours per week for two semesters.

Six semester hours credit.

Text: *Professor's Notes.*

References: *Jurisprudence, Salmond.*

Jurisprudence, Holland.

Pure Jurisprudence, LeBuffe.

Historical Jurisprudence, Lee.

Primitive Law, Diamond.

SOCIOLOGY

Sociology 4. Theoretical Sociology, Social Ethics and Social Pathology.

Three hours per week for two semesters.

Six semester hours credit.

Texts: *Introductory Sociology, Muntsch and Spaulding.*

Social Problems and Agencies, Spaulding.

An Introduction to Social Work, O'Grady.

RELIGION

Religion 1. Fundamental Apologetics.

Revelation, Natural and Supernatural, is the first topic studied in this course; this is followed by an analysis of Miracles and Prophecies as the guarantees of Revelation. The Documents of Christian Revelation and their historic value are next 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.

Text: *Defence of the Catholic Church, Doyle.*

Religion 2. 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 and character of Christ's Church, the marks which it was to have, are then studied as they appear from His declarations in the Gospels and from inferences drawn from these statements. These are then applied to the religious bodies of the world with a view to determining the Catholic Church as the Church established by Christ. 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.

Text: *Defence of the Catholic Church, Doyle.*

Religion 3. God and Creation.

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 existence of God. The nature and essence of God together with the Divine Attributes. Pantheism and Atheism. The fundamental notions of the mystery of the Trinity of Persons in the one Divine Nature.

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 two semesters.

Two semester hours credit.

Text: *God and Creation, Chetwood.*

Religion 4. Redemption.

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, the-andric actions, etc.

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 two semesters.

Two semester hours credit.

Text: *God, the Redeemer, Herzog.*

Religion 7. The Sacraments.

The Sacraments as the Means of Grace. The nature and efficacy of the Sacraments. The Sacraments of Baptism, Confirmation and the Holy Eucharist. The Holy Eucharist as a Sacrament and a Sacrifice. The nature of the Sacrifice of the Mass. The Sacrament of Penance, and the related question of Indulgences. The Sacraments of Extreme Unction; Holy Orders, Matrimony. A general discussion of Christian Morality and of the nature and binding force of Civil and Ecclesiastical Law. An explanation of the Commandments of God and of the Church.

Two hours per week for two semesters.

Two semester hours credit.

Text: *Channels of the Redemption, Herzog.*

MASTER OF SCIENCE DEGREE

THE College conducts courses in Chemistry 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. All candidates for admission must file their applications on or before September 1st. 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. This ordinarily requires one year.
2. Present a thesis 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 101. General Inorganic Chemistry. Two hours. Two credits. First semester.

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

Chemistry 102. Experimental Inorganic Chemistry. One hour and two laboratory periods. Three credits. First semester.

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

Chemistry 103. 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.

Chemistry 104. 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.

Chemistry 105. 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.

Chemistry 106. 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.

Chemistry 107. 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.

Chemistry 108. 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.

Chemistry 109. 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.

Chemistry 110. History of Chemistry. One hour with assigned readings. Two credits. Second semester.

Contemporary developments and contemporary chemists.

Chemistry 111. Subatomics. One hour with assigned abstracts. Two credits. Second semester.

A review of the present theories of subatomic structure.

Chemistry 112. Seminar. One hour per week. One credit for each semester. First and second semesters.

RESEARCH FOR MASTER'S DEGREE

Chemistry 113, 114, 115, 116. 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 \$600. 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 March 1st.

COLLEGE EXPENSES

TUITION

THE general tuition fee, which includes library, athletic, elective lectures, registration and all 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 commencement, is *two hundred and eighty dollars*. But if a student in the College takes work in excess of the amount required of members of his class, 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 13, the second tuition period begins November 15 and ends January 29; the third tuition period begins February 1 and ends March 12; the fourth tuition period begins March 14 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* and is liable for payment of this fee unless he fails in his Senior examinations or gives written notice to the Dean before May of his graduating year that he withdraws his candidacy.

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.

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 \$280.00 there is a fee for each laboratory course taken.

The laboratory fees are as follows:

Physics	Physics 1, 2 and 3 _____	\$20.00 each
Biology	Biology 3 _____	\$20.00
	Biology 6 _____	7.50
	All other Biology courses _____	15.00 each

		Fee	Breakage Deposit
Chemistry	Chemistry 1, 6, 16 _____	\$15.00	\$15.00
	Chemistry 2 and 7 _____	25.00	15.00
	Chemistry 5 _____	25.00	35.00
	Chemistry 8, 9, and 13 _____	20.00	15.00
	Chemistry 14 _____	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.

FEEES FOR ELECTIVE COURSES

Students in regular standing in both Junior and Senior classes electing for degree credits courses other than laboratory courses, are obliged to pay fees amounting to ten dollars for these courses. This charge is rendered on the November bill, designated as Elective Fee.

BOARD, ROOM AND OTHER EXPENSES

In addition to the tuition fees mentioned above, students residing at the College must pay for board, service, attendance and furnished room space *five hundred and twenty dollars*; those occupying a space in the large dormitory rooms will be charged *seventy-five dollars less or four hundred and forty-five dollars*. In addition to these charges, a student's expenses will include charges 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.

ESTIMATE OF ANNUAL EXPENSES

I. Student occupying private room with roommate:

Tuition	\$280.00
Board and room rent, including heat, light, laundry and service	520.00
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Total	800.00

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

II. Students occupying space in large dormitories:

Tuition	\$280.00
Board and dormitory space, including heat, light, laundry and service	445.00
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Total	725.00

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

PAYMENT OF COLLEGE BILLS

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

The third bill will be issued on January 11 and payable before February 1. 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 11.

The fourth bill will be issued on March 12 and payable before April 2 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.

SCHOLARSHIPS

THE scholarships bear the names of their founders. The income is awarded annually according to the conditions attaching to each fund.

The Governor Ames Scholarship. Income on \$1,000. Founded in 1887 by ex-Governor Oliver Ames.

The Rev. Charles E. Burke Scholarship. Income on \$3,000. Founded in 1895. Annual 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. Founded in 1912 by the Alumni of Connecticut Valley.

The Right Rev. Monsignor Daniel F. Curtin Scholarship. Income on \$10,000. Founded 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 relative.

The Monsignor Griffin Scholarship. Income on \$1000. Founded in 1895, limited to residents of St. John's Parish, Worcester, Mass.

The John H. Halloran Scholarship I. Income on \$12,000. Founded 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. Founded 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. Founded 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. Founded in 1916 by Mr. and Mrs. Richard Healy of Worcester, for benefit of direct relative of donors.

The Rev. Frederick W. Heaney, S.J., Scholarship. Income on \$2,500. Founded 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. Founded 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. Founded 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. Founded 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 combined, anyone otherwise eligible in the State to be admitted to competition.

The Rev. David F. McGrath Scholarship II. Income on \$6,000. Founded 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. Founded 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. Founded 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. Founded in 1874, entitling two students to \$60.00 per year each,

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. Founded in 1895, limited to residents of St. Peter's Parish, Worcester, Mass.

The Rev. Daniel H. O'Neill Scholarship II. Income on \$1,500. Founded in 1908, limited to the residents of the City of Worcester.

The Rev. Dr. Patrick B. Phelan Scholarship I. Income on \$8,000. Founded 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. Founded 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. Founded 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. Founded 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. Founded in 1918 by Rev. William H. Rogers, '68.

The Hon. John E. Russell Scholarship. Income on \$1,500. Founded in 1907 by a Friend of the College.

The Patrick W. Rafferty Scholarship. Income on \$2,000. Founded in 1920 and open to competition among deserving students of the City of Worcester.

The Rev. Robert Walsh Scholarship. Income on \$1,000. Founded in 1895, limited to residents of the Immaculate Conception Parish, Worcester, Mass.

The Maurice Connor Memorial Scholarship. Income on \$16,000. Founded 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. Founded 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. Selections 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. To be awarded annually to a student of Cathedral High School, Springfield, Mass.

All future scholarships will be 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. Fifteen thousand dollars will found a scholarship providing tuition, board and lodging with furnished room and attendance. Six thousand dollars 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 \$500 or \$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.

COMMENCEMENT PROGRAM

WEDNESDAY, JUNE 9, 1937

- OVERTURE *Selections*
- SALUTATORY
The Natural Law and the World Today
JOSEPH MICHAEL FOLEY
- FIRST ORATION
The Philosophy of the Natural Law
EDWARD CREGAN KENNELLY
- SECOND ORATION
The Natural Law and the Civil Law
JOHN JOSEPH MELICAN
- INTERMEZZO *Selections*
CONFERRING OF DEGREES
- VALEDICTORY
The Natural Law: Wages and Recovery
FRANCIS STEPHEN XAVIER ROSSITER
- ADDRESS
HIS EXCELLENCY, THE HONORABLE CHARLES F. HURLEY
Governor of the Commonwealth of Massachusetts
- RECESSIONAL *Selections*

DEGREES CONFERRED

IN COURSE

Master of Science

William V. Bigos, B.S.	East Douglas, Mass.
Leo J. Guay, S.J. (<i>magna cum laude</i>)	Worcester, Mass.
Maurice V. L'Heureux, B.S.	Lewiston, Me.
Philip M. Nigro, B.S.	Worcester, Mass.
Arthur F. St. Andre, B.S.	Whitinsville, Mass.
John L. Sullivan, B.S.	Worcester, Mass.

Bachelor of Arts

Frederick F. Andrews, Jr.	Revere, Mass.
John F. Barry, Jr.	Worcester, Mass.
John J. Barry	Medford, Mass.
Vincent J. Barry	Quincy, Mass.
Joseph A. Barsa (<i>magna cum laude</i>)	Pelham Manor, N. Y.
William Beasley, Jr.	Manhasset, N. Y.
Fletcher H. Benecke	Towson, Md.
John A. Bergmann (<i>magna cum laude</i>)	New York, N. Y.
John J. Berry, Jr.	Newark, N. J.
Philip J. Boyle (<i>cum laude</i>)	Hazleton, Pa.
Owen F. Brock	Charlestown, Mass.
William J. Brown (<i>magna cum laude</i>)	Worcester, Mass.
Edward J. Burke, Jr.	New Rochelle, N. Y.
John T. Burke, Jr.	Bangor, Me.
Thomas J. Burke	Union City, N. J.
Irving C. Burns	Chelsea, Mass.
John J. Burns	Gardner, Mass.
Roger J. Cameron	Worcester, Mass.
William J. Campbell	Worcester, Mass.
Joseph C. Canini	Mamaroneck, N. Y.
Joseph F. Carney (<i>cum laude</i>)	Worcester, Mass.
Dominic A. Caronna	Brooklyn, N. Y.
Charles B. Carroll	West Roxbury, Mass.
James F. Collier	Grenloch, N. J.
Edward F. Connor (<i>cum laude</i>)	Cohasset, Mass.
Joseph E. Conway	Holyoke, Mass.
John P. Corley	Burlington, Vt.
James F. Cosgrove	Worcester, Mass.

DEGREES CONFERRED

135

John H. Crabbe (<i>cum laude</i>)	Northampton, Mass.
Richard D. Crowe, Jr.	Bangor, Me.
William J. Crowley, Jr.	Charlestown, Mass.
Joseph W. Daly	Worcester, Mass.
William S. Dempsey (<i>cum laude</i>)	St. Albans, Vt.
George H. Derry, Jr.	Detroit, Mich.
George F. Dinneen, Jr.	Holyoke, Mass.
James F. Dobbins	Brooklyn, N. Y.
Francis X. Dolan	Worcester, Mass.
James W. Donahue	Worcester, Mass.
Thomas F. Donahue	Worcester, Mass.
John J. Donohue	Hingham, Mass.
Paul F. Donohue	Albany, N. Y.
Daniel F. Downing	Norwich, Conn.
Edwin J. Duffy	New York, N. Y.
Thomas L. Duffy	Webster, Mass.
Peter J. Dulligan, Jr.	Brooklyn, N. Y.
Edward J. Duncan (<i>magna cum laude</i>)	La Salle, Ill.
John F. Fagan, Jr.	Boston, Mass.
Paul R. Fenton	Trenton, N. J.
Ambrose F. Finnell	New Bedford, Mass.
Donald J. Flynn	Worcester, Mass.
Bernard J. Foley	Turners Falls, Mass.
J. Gerard Foley	Worcester, Mass.
Joseph M. Foley (<i>magna cum laude</i>)	Dorchester, Mass.
Walter W. Foley, Jr.	Jamaica Plain, Mass.
Francis H. Fox, Jr.	Portland, Me.
John E. Fox	Worcester, Mass.
John H. Foy	W. Springfield, Mass.
Thomas A. Fulham	Winthrop, Mass.
John J. Gallen, Jr.	Worcester, Mass.
David R. Gavin	Dorchester, Mass.
James F. Gavin	Albany, N. Y.
Anthony P. Giannetti	Montclair, N. J.
John F. Gleason	Worcester, Mass.
Adelard A. Granger, Jr.	Worcester, Mass.
Daniel J. Griffin	Dorchester, Mass.
Maurice J. Griffin	Worcester, Mass.
William F. Guilfoile, Jr.	Waterbury, Conn.
James E. Hackett, Jr.	Newport, R. I.
John F. Harder	New Haven, Conn.
John W. Hayden	Worcester, Mass.
George W. Henebry	Ansonia, Conn.

James W. Hester (<i>magna cum laude</i>)	Clinton, Mass.
Ralph A. Howard (<i>magna cum laude</i>)	Whitinsville, Mass.
Edward J. Howley	E. Weymouth, Mass.
John J. Kane	Worcester, Mass.
Charles H. Keenan, Jr.	Worcester, Mass.
Thomas A. Kelleher	Worcester, Mass.
Joseph F. Kelley, Jr.	Allston, Mass.
Robert T. Kelliher	Springfield, Mass.
John M. Kennedy (<i>magna cum laude</i>)	Springfield, Mass.
William J. Kennedy	Worcester, Mass.
Edward C. Kennelly	Morristown, N. J.
Joseph F. Kittredge	Clinton, Mass.
Leonard M. Kuziora	Erie, Pa.
Edward A. LaCroix	Worcester, Mass.
Woodrow W. LaHaise (<i>cum laude</i>)	Glens Falls, N. Y.
Charles W. Largay	Bangor, Me.
Richard J. LaVigne	Worcester, Mass.
James R. Lawlor, Jr.	Waterbury, Conn.
Gerald C. Leary	Lowell, Mass.
Vincent F. Lee	Medford, Mass.
Thomas P. Logan	Worcester, Mass.
Francis J. Lonergan	Webster, Mass.
Dennis F. Lynch	New York, N. Y.
James P. Lynch	Worcester, Mass.
Joseph R. Maher	Waterbury, Conn.
James M. Mahoney	Worcester, Mass.
Raphael V. Mahoney	Worcester, Mass.
James M. Manning, Jr.	Worcester, Mass.
John S. Masterson	West Roxbury, Mass.
John J. Melican (<i>cum laude</i>)	Worcester, Mass.
C. Andrew Monagan	Waterbury, Conn.
Thomas F. Monaghan, Jr.	Fall River, Mass.
Philip R. Monahan (<i>magna cum laude</i>)	Worcester, Mass.
John J. Morris (<i>cum laude</i>)	New Rochelle, N. Y.
James M. Morrison	Worcester, Mass.
John J. Mullen, Jr.	Framingham, Mass.
Samuel S. Mullin	Syracuse, N. Y.
Robert B. Munroe, II	Media, Pa.
Gordon D. Murphy	Westfield, N. J.
Lawrence A. Murphy	Woburn, Mass.
Philip J. Murphy	Worcester, Mass.
Joseph F. Murray, Jr. (<i>cum laude</i>)	Maplewood, N. J.
Paul F. Murray	Bangor, Me.

Vincent J. McAloon	N. Andover, Mass.
Daniel F. McCarthy (<i>cum laude</i>)	Worcester, Mass.
James J. McDermott	Staten Island, N. Y.
John L. McDonald	Ashley, Pa.
Andrew H. McFadden (<i>cum laude</i>)	Waterbury, Conn.
James P. McGrady, Jr.	Worcester, Mass.
Thomas D. McGrath	Worcester, Mass.
Howard V. McGuinness	Webster, Mass.
John H. McManus, Jr.	Kingston, N. Y.
Harold E. McNaney	Ware, Mass.
Alphonsus F. Navickas	Worcester, Mass.
George M. Neville	Bangor, Me.
Thomas J. Noonan	Hartford, Conn.
Thomas M. Norton	Pittsfield, Mass.
John J. Nugent, Jr.	Auburn, Mass.
Edward J. O'Brien	Hartford, Conn.
Thomas S. O'Brien, III (<i>cum laude</i>)	Albany, N. Y.
Edward B. O'Connell (<i>magna cum laude</i>)	Derby, Conn.
Carroll V. W. O'Connor	Worcester, Mass.
Edward J. O'Donnell	Waterbury, Conn.
Richard J. Ohman	Gardner, Mass.
Thomas F. M. O'Neil	Akron, O.
John J. O'Neill	Lowell, Mass.
Andrew P. Owens	Bridgeport, Conn.
John T. Parpal (<i>magna cum laude</i>)	Binghamton, N. Y.
Peter J. Pianowski	Worcester, Mass.
Eugene R. Picone	Port Washington, N. Y.
James F. Pierce (<i>cum laude</i>)	Worcester, Mass.
John H. Powell	Brooklyn, N. Y.
John J. Power	Worcester, Mass.
Robert C. Reidy (<i>cum laude</i>)	Worcester, Mass.
John N. Riley	Worcester, Mass.
Joseph E. Roche	Springfield, Mass.
Maurice A. Roche	Worcester, Mass.
Francis S. X. Rossiter (<i>magna cum laude</i>)	Malden, Mass.
Clement J. Roy	Worcester, Mass.
David K. Ryan	Worcester, Mass.
John J. Ryan	Brighton, Mass.
James G. Scanlon	Leominster, Mass.
Robert D. Segerson	Glens Falls, N. Y.
Thaddeus V. Senckowski	Worcester, Mass.
Ralph S. Sharkey	Detroit, Mich.
William T. Shaughnessy	Worcester, Mass.

David V. Sheehan	Elmira, N. Y.
Edward J. Sheridan	Clinton, Mass.
Bernard L. Spaeth	Davenport, Ia.
John R. Statz	Worcester, Mass.
Edward F. Stiles (<i>cum laude</i>)	Holyoke, Mass.
George D. Storm	Waterbury, Conn.
John J. P. Sullivan	Worcester, Mass.
Paul F. Sullivan	No. Adams, Mass.
Philip B. Sullivan	Lawrence, Mass.
William G. Sutherland, Jr.	Toledo, O.
John S. Szynal	Webster, Mass.
Raymond A. Tebeau	Whitinsville, Mass.
Frank W. Thorp, Jr.	Manhasset, N. Y.
James M. Tighe	Lowell, Mass.
Parker Tobin	Brookline, Mass.
Robert F. Tomlin	Brooklyn, N. Y.
Arthur H. Walsh	Bridgeport, Conn.
James H. White	Worcester, Mass.
Russell E. White (<i>cum laude</i>)	Barre, Vt.
John E. Whitfield	Albany, N. Y.
John J. Wiest (<i>cum laude</i>)	Brooklyn, N. Y.

Bachelor of Science in Biology

Pasquale R. Caracciolo	Hartford, Conn.
Vincent P. DePietro	Union City, N. J.
Joseph K. Harrop	W. Warwick, R. I.
Joseph C. Hart	Poughkeepsie, N. Y.
Walter J. Henry	Hoboken, N. J.
Robert J. Lavoie	Worcester, Mass.
Charles H. Lynch (<i>cum laude</i>)	Syracuse, N. Y.
Joseph A. O'Grady	Beacon, N. Y.
Vincent D. O'Neil	Concord, N. H.
John T. Reilly	Morristown, N. J.
Michael W. Scricco (<i>summa cum laude</i>)	Worcester, Mass.
Edward P. Shannon, Jr.	Brooklyn, N. Y.
Ellsworth H. Simpson	Bristol, Conn.

Bachelor of Science in Chemistry

John H. Eberly	Gardner, Mass.
John E. Murray	Worcester, Mass.
Justin A. McSheehy	Whitinsville, Mass.
Abdelnour S. Thomas (<i>magna cum laude</i>)	Boston, Mass.

Bachelor of Science in Physics

Walter B. Davis	Providence, R. I.
Henry F. DeBaggis	Franklin, Mass.
Joseph D. Halpin	Worcester, Mass.
Rexford S. Kidd	Melrose, Mass.

Bachelor of Philosophy

Saverio J. Adduci (<i>cum laude</i>)	Dorchester, Mass.
Joseph A. Aspero	Worcester, Mass.
Roy W. Bruninghaus, Jr.	Millbury, Mass.
Andrew F. Burnham	Nashua, N. H.
Richard D. Byrne (<i>cum laude</i>)	Chicago, Ill.
Francis P. Callaghan	Newton, Mass.
Herbert F. Callahan, Jr.	Boston, Mass.
Frank E. Caprise, Jr.	Mineola, N. Y.
David P. Carey	New York, N. Y.
Gregory D. Carpenter	Keene, N. H.
James V. Carroll	Providence, R. I.
Anthony J. Colapietro	Springfield, Mass.
Fred J. Coleman	Boston, Mass.
John F. Connolly	Beverly, Mass.
Thomas A. Cosgrove	Worcester, Mass.
George S. Homer Cronin	New Bedford, Mass.
Edward A. Cunningham, Jr.	Belmont, Mass.
Robert H. Curley	Wakefield, Mass.
John B. Depot	New Britain, Conn.
John F. Devine (<i>magna cum laude</i>)	New York, N. Y.
Joseph T. P. Donohue	Lawrence, Mass.
Edward C. Dougherty	Plainfield, Conn.
Vincent G. Dougherty	Scranton, Pa.
John J. Dowd	Worcester, Mass.
Joseph P. Dulligan	Worcester, Mass.
Henry J. Feeley	Cambridge, Mass.
Thomas J. Finn, Jr.	Leicester, Mass.
John T. Fitzgerald	Dorchester, Mass.
Richard J. Gallagher	Providence, R. I.
Robert D. Gleason	Watertown, Mass.
Bertram E. Graham (<i>cum laude</i>)	Worcester, Mass.
Ziba F. Graham	Detroit, Mich.
Robert E. Grannan	Arlington, Mass.
George P. Hafeli	Peterborough, N. H.
Frederick J. Hanifan	Malden, Mass.
Edward L. Hannaway	Manchester, N. H.

Edwin A. Howard	Canton, Mass.
Edward G. Hynes, Jr.	Brooklyn, N. Y.
Alfred S. Jarlett	Watertown, Conn.
Paul D. Kane	Worcester, Mass.
John T. Kehoe	Shrewsbury, Mass.
Ferdinand T. Kelley, Jr.	Jamaica Plain, Mass.
Francis J. Kelly, Jr.	Concord, N. H.
George M. Kelly	Wheeling, W. Va.
Edward F. Kokiernak	Worcester, Mass.
Harold E. Koreman (<i>cum laude</i>)	Albany, N. Y.
William P. Lavin	Worcester, Mass.
William F. Lawrence	Flushing, N. Y.
Arnold J. Lepore	Worcester, Mass.
Kevin G. Loughran	Lowell, Mass.
D. Eugene Lucey	Worcester, Mass.
Ecio L. Luciano	Somerville, Mass.
Paul A. Massey	New Haven, Conn.
Christopher J. Molloy	Providence, R. I.
Hipolit Monkevicz, Jr.	Brockton, Mass.
Richard E. Mullan	Worcester, Mass.
John J. Murphy	Worcester, Mass.
John J. McCarthy	Newton, Mass.
Charles D. McGratty	Brooklyn, N. Y.
George J. McGuane	Lowell, Mass.
John E. McInerny, Jr.	Worcester, Mass.
Joseph P. McIntyre	Worcester, Mass.
William L. McKenna	Pittsfield, Mass.
Stanley E. Nosek	Clinton, Mass.
John B. O'Donnell	Providence, R. I.
Charles H. Ouimet	Foxboro, Mass.
Joseph P. Quine	Akron, O.
Frederick J. Reardon	Holyoke, Mass.
Henry I. Richard	Nashua, N. H.
Louis A. Richard	Nashua, N. H.
Daniel R. Riordan	Worcester, Mass.
William E. Rittershaus	Malden, Mass.
William F. Rock	Nashua, N. H.
William G. Ryan	Brighton, Mass.
Mitchell J. Sabagh	New London, Conn.
George A. Sawicki	Worcester, Mass.
Paul B. Sharon	Worcester, Mass.
Chester M. Shaw	Millbury, Mass.
John F. Sheehan	W. Stoughton, Mass.

DEGREES CONFERRED

John V. Sheehan	Worcester, Mass.
Paul W. Sloan	Worcester, Mass.
Joseph A. Smith	Moosup, Conn.
William J. Snell, Jr.	Lynn, Mass.
Alexander J. Sullivan	Worcester, Mass.
James E. Sullivan	Leominster, Mass.
Michael C. Sullivan	New London, Conn.
William P. J. Sullivan	Worcester, Mass.
Paul T. Walsh	Jamaica Plain, Mass.
Harold H. Wiley	Leominster, Mass.
Joseph Yablonski	Jefferson, Mass.

AWARDS

JUNE, 1937

SUMMA CUM LAUDE

THE HIGHEST HONOR in Senior year was awarded to Michael W. Scricco, who secured an average of 93.7% or 1500 points out of a possible 1600 points for all the studies of the Senior year.

FLATLEY PHILOSOPHY MEDAL

THE FLATLEY GOLD MEDAL FOR SENIOR PHILOSOPHY, founded in 1890 by the late Reverend Michael F. Flatley of the class of 1865, was awarded to Michael W. Scricco of the class of 1937.

O'REILLY PHILOSOPHY MEDAL

THE BISHOP O'REILLY GOLD MEDAL, donated by the late Right Reverend Thomas J. Conaty, D.D., '69, Bishop of Los Angeles, in memory of Right Reverend Patrick T. O'Reilly, D.D., first Bishop of Springfield, Mass., for the highest average in Philosophy in Junior year was awarded to Francis J. Vaas of the class of 1938.

STRAIN PHILOSOPHY MEDAL

THE STRAIN GOLD MEDAL, founded in June, 1877, for the best philosophical essay submitted during the academic year, was awarded to Philip R. Monahan of the class of 1937, for his essay entitled "The Natural Law: Wages and Recovery."

NUGENT PHYSICS MEDAL

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 Physics was awarded to Walter B. Davis of the class of 1937.

CROMPTON SCIENTIFIC MEDAL

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 Robert L. Buck of the class of 1938 for his essay entitled: "Recent Achievements in the Production of High Voltages, and Their Future Possibilities in the Fields of Therapy and Industry."

EDWARD V. KILLEEN, JR., CHEMISTRY AWARD

THE KILLEEN PURSE of Fifty Dollars in Gold for general excellence throughout the course in Pre-medical Chemistry was awarded to Edward B. O'Connell of the class of 1937.

FLAHERTY HISTORY MEDAL

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 M. Jerome Loizzo of the class of 1939 for his essay entitled: "Early Catholic Missions in California."

DEVALERA HISTORY PURSE

THE DEVALERA PURSE of Fifty Dollars, yielded by the permanent fund of one thousand dollars, the gift of Daniel H. Coakley, for the best essay on a subject taken from Irish History, was awarded to Lloyd Latendresse of the class of 1939 for his essay entitled: "Eamon De Valera, and His Influence on Ireland."

McMAHON HISTORICAL PRIZES

THE McMAHON HISTORICAL PRIZES, founded in 1927 by the Rt. Rev. Msgr. John W. McMahon of the class of 1867, of fifty, thirty, and twenty dollars for the best essays on the history of the Catholic Church in New England were awarded for essays on the subject, "The Diocese of Boston Under the Rt. Rev. Archbishop John J. Williams," the first prize of fifty dollars was awarded to Adrian P. Driggs of the class of 1938; the second and third prizes were not awarded.

REILLY MEMORIAL PURSE

THE JAMES H. REILLY MEMORIAL PURSE of Thirty Dollars, 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 David V. Sheehan of the class of 1937 for his story, "Angel over Fifth and Fifty-Eighth," published in the March issue.

THE BELLARMINE HISTORY MEDAL

THE BELLARMINE 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 James F. Pierce of the class of 1937 for his essay entitled: "Thomas Dongan, Catholic Colonial Governor of New York."

THE REVEREND WILLIAM F. HARTIGAN MEDAL

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 to the Senior student submitting the best essay on a subject in Religion, was awarded to Richard D. Byrne of the class of 1937, for his essay entitled, "The History and Work of the St. Vincent de Paul Society."

O'CONNOR DEBATING PURSE

THE JOSEPH J. O'CONNOR PURSE OF FORTY DOLLARS FOR DEBATING, yielded by a permanent fund of one thousand dollars, the gift of the late Joseph J. O'Connor of the class of 1909, was awarded to the Senior Debating Team: John M. Kennedy, Edward C. Kennelly and T. Stanley O'Brien, III.

FALLON DEBATING PURSE

THE FALLON PURSE OF FORTY DOLLARS FOR DEBATING, founded in 1901 by Rev. John J. Fallon of the class of 1880, was awarded to the Sophomore Debating Team: John J. Daunt, William J. McDonald and Daniel J. O'Connell.

ORATORICAL PURSES

A PURSE of Twenty-five Dollars for general excellence in Oratory, open for competition to all classes, was awarded to John M. Kennedy of the class of 1937.

A PURSE of Fifteen Dollars for second honors in the same competition was awarded to Edward C. Kennelly of the class of 1937.

A PURSE of Five Dollars for third honors in the same competition was awarded to Constantine W. Akstens of the class of 1938.

THE JOHN C. LAWLOR MEDAL

THE JOHN C. LAWLOR GOLD 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 during Senior year was awarded to Bertram E. Graham of the class of 1937.

THE KRANICH GOLD CHARM

THE KRANICH ESSAY AWARD, founded by the Kranich Bros. Incorporation, to be awarded annually to the student contributing the best essay to *The Purple*, was awarded to David V. Sheehan of the class of 1937, for his essay "De Senectute," published in the April Issue.

THE PURPLE PURSE

THE PURPLE PURSE OF TEN DOLLARS, awarded annually to the student contributing the best poem to *The Purple*, was awarded to Francis W. Sweeney of the class of 1938 for his poem "Vision," published in the November issue.

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 to the Sacred Heart of our Lord.

Moderator: REV. JOHN C. PROCTOR, S.J.

SODALITY OF THE IMMACULATE CONCEPTION

The Sodality was organized on the eighth of December, 1844, and aggregated to the Roman Prima Primaria on the tenth of April, 1846, under the patronage of St. Aloysius. The object of the Sodality is the fostering of filial devotion to the Mother of God and the practice of virtue and piety among its members.

Moderator: REV. PAUL W. FACEY, S.J.

OFFICERS—James E. Hackett, Jr., '37, *Prefect*; John J. O'Neill, '37, *Captain of the Mission Crusade*.

DAY STUDENTS' SODALITY

This Sodality was organized as a branch of the Sodality of the Immaculate Conception in May, 1903, and was aggregated to the Roman Prima Primaria in May, 1904, under the patronage of St. Stanislaus.

Moderator: REV. JOSEPH F. BUSAM, S.J.

Prefect General: WILLIAM J. KENNEDY, '37

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.

Moderator: MR. HENRY J. BUTLER, S.J.

Master of Ceremonies: FRANCIS S. ROSSITER, '37

B. J. F. DEBATING SOCIETY

Moderator: MR. FRANCIS B. McMANUS, S.J.

OFFICERS—Edward C. Kennelly, '37, *President*; Charles P. Collins, '38, *Vice-President*; Joseph E. Conway, '37, *Secretary*.

THE PHILOMATHIC DEBATING SOCIETY

Moderator: MR. THOMAS J. CAHILL, S.J.

OFFICERS—John J. Daunt, '39, *President*; Frank H. Taylor, '39, *Vice-President*; Alexander R. Walsh, '40, *Secretary*.

THE DRAMATIC SOCIETY

The first dramatic societies established at the College were the "Pakachoag Dramatic Club" and the "Smithsonian Ethiopian Minstrel Club," founded in 1844. In 1846, the Dramatic Club was re-organized under the former name. In 1880 the society was established on its present basis with the chief aim to promote elocution by training the students in dramatic art. Each year classic dramas are presented with marked success.

Moderator: REV. HAROLD J. SULLIVAN, S.J.

OFFICERS—Joseph A. Barsa, '37, *President*; Eugene F. Lushbaugh, '38, *Vice-President*; Thomas J. Meehan, '39, *Secretary*; John J. Berry, '37, *Director of Playshop*.

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.

Moderator: REV. JOSEPH D. AHEARN, S.J.

Conductor: J. EDWARD BOUVIER, A.M.

General Manager: JOHN S. MASTERTON, '37

THE CROSS AND SCROLL CLUB

The Cross and Scroll Club, with the sub-title of the Hellenic Academy for the promotion of interest in Classical Studies is the classical society of the College. Its object is to instill a realization of the value of classical literature as a means to the advancement of culture and as an incentive to the attainment of that true knowledge embodied in the ideals of the ancient classical writers but coordinated with the supernatural aim of Christian education outlined in the Encyclical of our Holy Father, Pope Pius the Eleventh. The symbolic emblem of the organization, significant of its high purpose, is

a shining Cross in the sky, superimposed on an open vellum scroll and inscribed with the legend *ἐν τούτῳ νικά*. The Cross represents Christianity, and the Scroll, the body of ancient classical literature.

Honorary President: REV. JOSEPH F. SULLIVAN, S.J., *Dean*

Moderator: MR. CHARLES E. BUCKLEY, S.J.

OFFICERS—Francis J. Vaas, '38, *President*; T. Stephen O'Keefe, '38, *Vice-President*; Raymond J. Swords, '38, *Secretary*.

THE FRENCH ACADEMY

The French Academy, open 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.

Moderator: REV. JAMES M. LEAVEY, S.J.

OFFICERS—Joseph H. Sarris, '38, *President*; Robert Healey, '38, *Vice-President*; Bernard J. Nolan, '38, *Secretary*.

SCIENTIFIC SOCIETY

The 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.

Moderator: MR. LAWRENCE C. LANGGUTH, S.J.

OFFICERS—Charles H. Lynch, '37, *President*; Edward G. Hynes, '37; *Vice-President*; William F. Lawrence, '37, *Treasurer*; Donald V. McGratty, '38, *Secretary*.

LABOR PROBLEMS ACADEMY

The Labor Problems Academy, open to members of the Economic Division of the Science course, was organized in 1935 to encourage the study of Catholic principles applicable to the labor problems in the United States. The Labor Problems Academy is 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 Society 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.

Moderator: CORNELIUS S. DONOGHUE, A.M.

OFFICERS—Henry A. Campbell, '38, *President*; John F. Tansey, '38, *Vice-President*; Matthew J. Curran, '38, *Secretary*; David J. Manning, '38, *Treasurer*.

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 essays on various historical subjects are read and discussed.

Moderator: REV. PATRICK J. HIGGINS, S.J.

OFFICERS—Fred C. Dyer, '38, *President*; James R. Morris, '38, *Vice-President*; John F. O'Connor, '39, *Secretary*.

MISSION UNIT

The Holy Cross Unit of the Mission Crusade at the College was established in 1921 and relief of the Missions was first confined to donations received through the Mite Box in the Office of Discipline. In March, 1925, the unit inaugurated the envelope collection at Mass on Sundays, and since have contributed to foreign and home missions large sums of money, large quantities of Catholic papers, altar supplies, books and clothing.

Moderator: REV. PAUL W. FACEY, S.J.

Assistant: JOHN J. O'NEILL, '37

THE PURPLE KEY

The purpose of the Purple Key is to aid in extra-curricular activities of the student body. This organization is composed of Senior students.

Moderator: REV. J. GERARD MEARS, S.J.

Chairman: SAMUEL S. MULLIN, '37

INTRA-MURAL ATHLETICS

The purpose of Intra-Mural Athletics is to afford healthy recreation to students not actively engaged in varsity sports.

Moderator: REV. MAURICE V. DULLEA, S.J.

Student Athletic Manager: BERNARD J. FOLEY, '37

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.

Faculty Moderator: REV. TIMOTHY J. PHELAN, S.J.

OFFICERS—Thomas J. McCabe, '15, *Director*; Eugene F. Flynn, '22, *Assistant Director*; Francis L. Miller, *Treasurer*.

STUDENT COUNSELLORS

General Student Counsellor—REV. MAURICE V. DULLEA, S.J.

Student Counsellors in Senior Year—REV. JOSEPH R. WALSH, S.J.
AND REV. THOMAS E. SHORTELL, S.J.

Student Counsellors in Junior Year—REV. JOHN J. DWYER, S.J. AND
REV. JOHN E. WELCH, S.J.

Student Counsellors in Sophomore Year—REV. JOSEPH J. CLINK, S.J.
AND REV. JOHN C. PROCTOR, S.J.

Student Counsellors in Freshman Year—REV. FRANCIS J. HART, S.J.
AND REV. TIMOTHY J. O'MAHONY, S.J.

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

They provide opportunities for the students to receive the Sacraments in addition to times assigned for the general student body.

They are in a special sense the friends and advisers 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 Counsellors will be invaluable. Their hours will be arranged to afford ample opportunity to the students for conferring with them.

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.

Moderator: REV. J. GERARD MEARS, S.J.

Faculty Manager: MR. JOHN M. TIERNAN, S.J.

OFFICERS—David V. Sheehan, '37, *Editor-in-Chief*; Paul F. Murray, '37, *Business Manager*.

THE TOMAHAWK

The Tomahawk, the weekly newspaper of the College, first appeared at the College during the academic year 1924-1925. Its purpose is to secure a firmer bond among the undergraduates and also to serve as a nexus between the Alumni and Alma Mater, chronicling the successes of the Alumni and telling the important happenings of the life on the Hill.

Moderator: REV. WILLIAM E. MURPHY, S.J.

Assistant Moderator: MR. JOHN E. CRONIN, S.J.

EDITORIAL STAFF—David P. Carey, '37, *Editor-in-Chief*; Francis S. Rossiter, '37, *Managing Editor*; James F. Collier, '37, *Sports Editor*.

BUSINESS STAFF—John E. Whitfield, '37, *Business Manager*; Joseph R. Maher, '37, *Circulation Manager*.

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.

Moderator: REV. JOSEPH F. SULLIVAN, S.J., Dean

Editor: Edward C. Duncan, '37

Business Manager: Ziba F. Graham, '37

THE HORMONE

The Hormone is a monthly magazine edited 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.

Faculty Moderator: REV. JOSEPH J. SULLIVAN, S.J.

Editor-in-Chief: Cecil J. Haggerty, Ph.D.

Jesuit Educational Association

COLLEGES AND UNIVERSITIES

Alabama
California

Colorado
District of Columbia
Illinois
Louisiana
Maryland
Massachusetts

Michigan
Missouri

Nebraska
New Jersey
New York

Ohio

Pennsylvania
Washington

Wisconsin

Spring Hill College, Spring Hill
Loyola University of Los Angeles
Santa Clara University, Santa Clara
University of San Francisco
Regis College, Denver
Georgetown University, Washington
Loyola University, Chicago
Loyola University, New Orleans
Loyola College, Baltimore
Boston College, Newton
Holy Cross College, Worcester
University of Detroit
Rockhurst College, Kansas City
St. Louis University, St. Louis
The Creighton University, Omaha
St. Peter's College, Jersey City
Canisius College, Buffalo
Fordham University, New York City
John Carroll University, Cleveland
St. John's College, Toledo
Xavier University, Cincinnati
St. Joseph's College, Philadelphia
Gonzaga University, Spokane
Seattle College, Seattle
Marquette University, Milwaukee

COLLEGE DIRECTORY

ARTS COURSE

Ahearn, John W.	Junior	E. Walpole, Mass.
Aieta, Joseph V.	Freshman	Milton, Mass.
Akstens, Constantine W.	Junior	Worcester, Mass.
Albrecht, Robert M. L.	Junior	Green Island, N. Y.
Altomare, Frank C.	Freshman	Worcester, Mass.
Anderson, Gerald R.	Junior	Worcester, Mass.
Andrews, Frederick F., Jr.	Senior	Revere, Mass.
Aubertin, John A.	Freshman	Webster, Mass.
Aubrey, John S.	Freshman	Waterbury, Conn.
Bakewell, Francis F.	Freshman	St. Louis, Mo.
Balchunas, Zenon J.	Junior	Worcester, Mass.
Banks, Charles V.	Sophomore	Morristown, N. J.
Barrett, Austin J.	Freshman	Haverhill, Mass.
Barrett, Joseph A., Jr.	Freshman	Ossining, N. Y.
Barry, John F.	Senior	Worcester, Mass.
Barry, John J.	Senior	Medford, Mass.
Barry, Vincent J.	Senior	Quincy, Mass.
Barth, Raymond J.	Freshman	Waterbury, Conn.
Barsa, Joseph A.	Senior	Pelham Manor, N. Y.
Barton, Leo P.	Freshman	Worcester, Mass.
Bean, John F., Jr.	Freshman	Albany, N. Y.
Beasley, William, Jr.	Senior	Manhasset, N. Y.
Belinskias, Stanley S.	Freshman	Worcester, Mass.
Benecke, Fletcher H.	Senior	Towson, Md.
Bergen, Joseph R.	Sophomore	Waterbury, Conn.
Bergeron, William A.	Junior	Fitchburg, Mass.
Bergin, James F.	Junior	Leicester, Mass.
Bergin, James J.	Junior	Webster, Mass.
Bergmann, John A.	Senior	New York, N. Y.
Bergstrom, James H.	Freshman	Worcester, Mass.
Berkery, Emmet M.	Sophomore	Far Rockaway, N. Y.
Berry, Frank L.	Junior	Worcester, Mass.
Berry, John F.	Sophomore	Holliston, Mass.
Berry, John J., Jr.	Senior	Newark, N. J.
Bichrest, Joseph A.	Junior	Lisbon Falls, Me.

Bier, Joseph A.	Sophomore	Woodhaven, N. Y.
Bininger, Leo C.	Junior	Lancaster, O.
Blakely, Carl P.	Junior	Boston, Mass.
Blaney, Robert L.	Sophomore	Lawrence, Mass.
Blase, Nicholas R.	Junior	Utica, N. Y.
Bloniarz, Aloysius A.	Freshman	Adams, Mass.
Bogue, James W.	Junior	New York, N. Y.
Boivin, Philip W.	Freshman	Saundersville, Mass.
Boss, J. Herbert, Jr.	Sophomore	Manchester, N. H.
Bouchard, Lawrence J.	Freshman	Rochdale, Mass.
Bowen, Stephen G.	Junior	Worcester, Mass.
Bowman, James J.	Junior	New Haven, Conn.
Boyle, Philip J.	Senior	Hazleton, Pa.
Breen, James J.	Sophomore	Worcester, Mass.
Bresnahan, Francis J.	Freshman	Worcester, Mass.
Brock, Owen F.	Senior	Charlestown, Mass.
Brosnan, Joseph P.	Sophomore	Worcester, Mass.
Brosnihan, Albert H.	Sophomore	Worcester, Mass.
Brown, Paul V.	Sophomore	Worcester, Mass.
Brown, William J.	Senior	Worcester, Mass.
Buckley, Arthur D., Jr.	Junior	Meriden, Conn.
Budnik, Aloysius A.	Freshman	Worcester, Mass.
Burke, Edward J.	Senior	New Rochelle, N. Y.
Burke, Frank J.	Sophomore	New Rochelle, N. Y.
Burke, John T.	Senior	Bangor, Me.
Burke, Paul J.	Freshman	Dorchester, Mass.
Burke, Thomas J.	Senior	Union City, N. J.
Burns, C. Peter	Junior	Worcester, Mass.
Burns, Irving C.	Senior	Chelsea, Mass.
Burns, John J.	Senior	Gardner, Mass.
Burns, John R., Jr.	Freshman	Wilkes-Barre, Pa.
Burr, James J.	Sophomore	Worcester, Mass.
Butler, Carol F.	Freshman	Worcester, Mass.
Butler, Philip H.	Sophomore	Worcester, Mass.
Byrne, William B., Jr.	Freshman	Kingston, N. Y.
Cahill, John A.	Junior	Peabody, Mass.
Cain, John T.	Sophomore	Worcester, Mass.
Callaghan, John K., Jr.	Freshman	Taunton, Mass.
Callahan, Daniel P., Jr.	Sophomore	Worcester, Mass.
Callahan, Joseph G.	Freshman	Reading, Mass.
Callahan, Leo S.	Junior	Brooklyn, N. Y.
Cameron, Roger J.	Senior	Worcester, Mass.

Campbell, William J.	Senior	Worcester, Mass.
Candela, Michael J.	Sophomore	Harrison, N. Y.
Canini, Joseph C.	Senior	Mamaroneck, N. Y.
Carberry, Paul A.	Sophomore	Cherry Valley, Mass.
Carducci, Anthony F.	Freshman	Norwood, Mass.
Carey, William D.	Freshman	Milton, Mass.
Carney, Joseph F.	Senior	Worcester, Mass.
Carney, Robert E.	Junior	Worcester, Mass.
Caronna, Dominic A.	Senior	Brooklyn, N. Y.
Carroll, Charles B.	Senior	W. Roxbury, Mass.
Carroll, Edmund W.	Sophomore	Fitchburg, Mass.
Carroll, Paul J.	Junior	Athol, Mass.
Casey, Francis J.	Freshman	Uxbridge, Mass.
Casey, James B., Jr.	Sophomore	Lowell, Mass.
Cashen, Edward J.	Junior	Worcester, Mass.
Cashin, John C.	Sophomore	Adams, Mass.
Cassidy, Francis B., Jr.	Junior	Uxbridge, Mass.
Cataldo, Anthony D.	Freshman	Worcester, Mass.
Cavanaugh, Thomas E.	Junior	Springfield, Mass.
Charewicz, Sigmund H.	Freshman	Worcester, Mass.
Clancey, James P.	Sophomore	Ishpeming, Mich.
Clancy, Daniel H., Jr.	Freshman	Weymouth, Mass.
Clarkin, James R.	Junior	Fall River, Mass.
Cobb, James Q.	Sophomore	Falmouth, Mass.
Coffey, James H., Jr.	Freshman	W. Roxbury, Mass.
Coleman, Thomas H.	Freshman	Carbondale, Pa.
Collier, James F.	Senior	Grenloch, N. J.
Collins, Charles P.	Junior	Bradford, Pa.
Collins, Leo R.	Sophomore	Rensselaer, N. Y.
Collins, Richard J.	Sophomore	Worcester, Mass.
Collins, Stephen F., Jr.	Freshman	Taunton, Mass.
Collins, William T.	Junior	New York, N. Y.
Collis, Francis B.	Freshman	Westfield, N. J.
Conan, Neal J., Jr.	Freshman	Syracuse, N. Y.
Condric, John A.	Sophomore	Brockton, Mass.
Conlin, Francis W.	Freshman	Worcester, Mass.
Connell, John M.	Sophomore	Brockton, Mass.
Connolly, John J.	Sophomore	Des Moines, Ia.
Connor, Edward F.	Senior	No. Cohasset, Mass.
Connor, Timothy R.	Sophomore	Worcester, Mass.
Connor, William T.	Freshman	Worcester, Mass.
Conway, Joseph E.	Senior	Holyoke, Mass.
Corbett, Francis X.	Sophomore	Lynn, Mass.

Corley, John P.	Senior	Burlington, Vt.
Cosgriff, Stuart W.	Junior	Pittsfield, Mass.
Cosgrove, James F., Jr.	Senior	Worcester, Mass.
Costello, Charles B., Jr.	Sophomore	Rutland, Vt.
Coughlin, John F.	Junior	Holyoke, Mass.
Couming, William R.	Sophomore	Worcester, Mass.
Coveney, Raymond M.	Sophomore	Marlboro, Mass.
Crabbe, John H.	Senior	Northampton, Mass.
Creeden, A. Leo	Junior	Brockton, Mass.
Creighton, Charles F.	Freshman	Uxbridge, Mass.
Cronin, Neil J.	Freshman	Worcester, Mass.
Cross, Paul V.	Junior	Osterville, Mass.
Crowe, Richard D., Jr.	Senior	Bangor, Me.
Crowley, William J., Jr.	Senior	Charlestown, Mass.
Cullen, John S.	Freshman	Boston, Mass.
Culliton, Daniel J.	Junior	Clinton, Mass.
Cunneen, John M.	Sophomore	New York, N. Y.
Cunningham, Arthur A.	Freshman	Worcester, Mass.
Cunningham, Walter J., Jr.	Freshman	Worcester, Mass.
Curley, J. Richard	Freshman	Brockton, Mass.
Curley, Paul D.	Junior	Brockton, Mass.
Curry, Bernard F.	Sophomore	New York, N. Y.
Curtin, Edward J.	Sophomore	Worcester, Mass.
Curtin, James R.	Sophomore	Lenox, Mass.
Daly, Joseph W.	Senior	Worcester, Mass.
Daly, Stephen L.	Sophomore	New York, N. Y.
Daly, William A.	Sophomore	Altoona, Pa.
Daly, William H., Jr.	Junior	Garden City, N. Y.
Daunt, John J.	Sophomore	Allston, Mass.
DeGiovanni, Anthony A.	Junior	Brooklyn, N. Y.
Deignan, Joseph P.	Freshman	Worcester, Mass.
Dempsey, William S.	Senior	St. Albans, Vt.
Derry, George H., Jr.	Senior	Detroit, Mich.
Deveney, Edward J.	Sophomore	Jamaica Plain, Mass.
Devine, J. Murray	Sophomore	Manchester, N. H.
Devlin, James H., Jr.	Sophomore	Brighton, Mass.
Diamond, Charles A.	Freshman	W. Springfield, Mass.
Diamond, William L.	Junior	Pittsfield, Mass.
Diggins, John F., Jr.	Freshman	Worcester, Mass.
DiLorenzo, Salvatore	Freshman	Waterbury, Conn.
*DiNapoli, Arthur G.	Freshman	Somerville, Mass.

*Died May 3, 1937

Dinnean, Vincent J.	Sophomore	New Haven, Conn.
Dinneen, George F.	Senior	Holyoke, Mass.
Dobek, Edward W.	Sophomore	Chicopee, Mass.
Dobbins, James F.	Senior	Brooklyn, N. Y.
Dobbins, William F.	Sophomore	Brooklyn, N. Y.
Doherty, James A.	Junior	Scranton, Pa.
Dolan, Francis X.	Senior	Worcester, Mass.
Dolan, John H.	Freshman	Providence, R. I.
Donahue, James W.	Senior	Worcester, Mass.
Donahue, Maurice A.	Sophomore	Holyoke, Mass.
Donahue, Thomas F.	Senior	Worcester, Mass.
Donlan, John M.	Sophomore	Fitchburg, Mass.
Donlin, Thomas M.	Sophomore	Springfield, Mass.
Donnelly, Robert E.	Freshman	Worcester, Mass.
Donoghue, Alexander	Junior	Worcester, Mass.
Donohue, John J.	Senior	Hingham, Mass.
Donohue, Paul F.	Senior	Albany, N. Y.
Donovan, Kevin P.	Sophomore	Adams, Mass.
Donovan, Richard G.	Junior	Baltimore, Md.
Donovan, Timothy L.	Junior	Portsmouth, N. H.
Dowd, Francis T.	Junior	Worcester, Mass.
Dowd, Joseph F.	Sophomore	Worcester, Mass.
Dowd, Paul H.	Sophomore	Brighton, Mass.
Dowling, William T., Jr.	Freshman	Jamaica Plain, Mass.
Downing, Daniel F.	Senior	Norwich, Conn.
Doyle, Ambrose P., Jr.	Junior	Winchendon, Mass.
Driggs, Adrian P.	Junior	Brooklyn, N. Y.
Drohan, Richard F.	Freshman	Worcester, Mass.
Drugan, Francis T.	Freshman	Worcester, Mass.
Drumm, Joseph E.	Freshman	Worcester, Mass.
Dubrulle, John P.	Freshman	Lawrence, Mass.
Duffy, Edwin J.	Senior	New York, N. Y.
Duffy, Thomas L.	Senior	Webster, Mass.
Duffy, William F.	Junior	Leicester, Mass.
Duggan, Charles T., Jr.	Freshman	Lynn, Mass.
Duggan, Francis J.	Sophomore	Lowell, Mass.
Dulligan, Peter J.	Senior	Brooklyn, N. Y.
Duncan, Edward J.	Senior	LaSalle, Ill.
Duncan, Gerard F.	Sophomore	Rockville Centre, N. Y.
Dunn, James P.	Freshman	Worcester, Mass.
Dunphy, Donal L.	Sophomore	Northampton, Mass.
Dunphy, John J.	Junior	Binghamton, N. Y.
Duplessis, Hector A.	Junior	Marlboro, Mass.

Dwyer, William L., Jr.	Sophomore	Swampscott, Mass.
Dyer, Fred C.	Junior	St. Louis, Mo.
Earls, Francis X.	Sophomore	Southbridge, Mass.
Earls, Gerald M.	Freshman	Southbridge, Mass.
Eichorn, Robert L.	Freshman	Lexington, Mass.
Fagan, Francis A.	Sophomore	Herkimer, N. Y.
Fagan, Gerald J.	Junior	Worcester, Mass.
Fagan, John F.	Senior	Boston, Mass.
Fahey, Robert J.	Freshman	Marlboro, Mass.
Falvey, Simon F., Jr.	Freshman	Worcester, Mass.
Farrell, Donald F.	Junior	New Haven, Conn.
Faucher, Vincent R.	Freshman	Worcester, Mass.
Feeley, Francis B.	Freshman	Waterbury, Conn.
Fenton, Paul R.	Senior	Trenton, N. J.
Ferguson, George J., Jr.	Freshman	Danvers, Mass.
Ferry, Gerard A.	Junior	Brooklyn, N. Y.
Finnan, John J.	Freshman	Dorchester, Mass.
Finnell, Ambrose F.	Senior	New Bedford, Mass.
Finucane, Thomas M.	Junior	Newton Centre, Mass.
Finucane, William F.	Freshman	Newton Centre, Mass.
Fittabile, Leo F.	Sophomore	Willimantic, Conn.
FitzGerald, Charles G.	Freshman	Dorchester, Mass.
FitzGerald, Thomas J., Jr.	Sophomore	Dorchester, Mass.
Flaherty, James R.	Freshman	Belchertown, Mass.
Flavin, Philip G.	Freshman	Concord, Mass.
Floberg, Frederic O., Jr.	Sophomore	Chicago, Ill.
Flood, Anthony J., Jr.	Freshman	Catskill, N. Y.
Flynn, Cornelius P.	Junior	Worcester, Mass.
Flynn, Donald J.	Senior	Worcester, Mass.
Flynn, Joseph H.	Freshman	Holyoke, Mass.
Flynn, Vincent E.	Sophomore	Stamford, Conn.
Foley, Alfred A.	Junior	Worcester, Mass.
Foley, Bernard J.	Senior	Turners Falls, Mass.
Foley, Edward F.	Freshman	Worcester, Mass.
Foley, Eugene O'N.	Freshman	Jamaica Plain, Mass.
Foley, Gerald J.	Freshman	Holyoke, Mass.
Foley, John F.	Freshman	Worcester, Mass.
Foley, J. Gerard	Senior	Worcester, Mass.
Foley, John W.	Junior	Worcester, Mass.
Foley, Joseph M.	Senior	Dorchester, Mass.

Foley, Paul J.	Freshman	Cleveland Heights, O.
Foley, Ralph V.	Freshman	Whitinsville, Mass.
Foley, Robert W.	Sophomore	Worcester, Mass.
Foley, Timothy J., Jr.	Junior	Worcester, Mass.
Foley, Walter W., Jr.	Senior	Jamaica Plain, Mass.
Foudy, Robert E.	Junior	Worcester, Mass.
Fox, Francis H., Jr.	Senior	Portland, Me.
Fox, George J.	Freshman	Worcester, Mass.
Fox, John E., Jr.	Senior	Worcester, Mass.
Foy, John H.	Senior	W. Springfield, Mass.
Freston, Thomas E.	Sophomore	Pelham Manor, N. Y.
Fulham, Thomas A.	Senior	Winthrop, Mass.
Gahagan, Cornelius R.	Freshman	Goshen, N. Y.
Gallagher, John F.	Sophomore	Binghamton, N. Y.
Gallagher, Richard J.	Sophomore	Worcester, Mass.
Gallen, John J., Jr.	Senior	Worcester, Mass.
Galligan, Joseph G.	Freshman	Canton, Mass.
Garvey, Thomas P.	Freshman	Springfield, Mass.
Gately, Alfred J.	Sophomore	Spencer, Mass.
Gavigan, William M., Jr.	Sophomore	Forest Hills, N. Y.
Gavin, David R.	Senior	Dorchester, Mass.
Gavin, James F.	Senior	Albany, N. Y.
Gavin, Robert C.	Sophomore	Fond du Lac, Wis.
Giannetti, Anthony P.	Senior	Montclair, N. J.
Giguere, Robert J.	Sophomore	Chicopee Falls, Mass.
Gilchrist, John J.	Junior	Taunton, Mass.
Gilrein, John F., Jr.	Freshman	Chicopee Falls, Mass.
Ginty, James B.	Junior	So. Hamilton, Mass.
Gleason, John F. X.	Senior	Worcester, Mass.
Glowacki, Vincent S.	Freshman	E. Saugus, Mass.
Glynn, Frederick J.	Sophomore	Boston, Mass.
Goddard, Fred J., Jr.	Freshman	Uxbridge, Mass.
Goicz, Stanislaus J.	Junior	Worcester, Mass.
Goldrick, Louis G.	Junior	Worcester, Mass.
Gordon, Alfred L.	Freshman	Albany, N. Y.
Gorczynski, John S.	Freshman	Millbury, Mass.
Goullis, John J.	Sophomore	Clinton, Mass.
Grady, James P.	Freshman	Clinton, Mass.
Grady, John E.	Junior	Dorchester, Mass.
Granger, Adelard A.	Senior	Worcester, Mass.
Granger, Edward G.	Freshman	Worcester, Mass.
Grattan, William J.	Junior	Southold, N. Y.

Greene, Elwin S.	Sophomore	Framingham, Mass.
Griffin, Daniel J.	Senior	Dorchester, Mass.
Griffin, Maurice J.	Senior	Worcester, Mass.
Griswold, Frank M.	Junior	Worcester, Mass.
Grogan, Joseph J.	Freshman	Worcester, Mass.
Grogan, Philip F.	Junior	Watertown, Mass.
Guilfoile, William F., Jr.	Senior	Waterbury, Conn.
Hackett, James E., Jr.	Senior	Newport, R. I.
Haddad, Edmund G.	Sophomore	Worcester, Mass.
Hall, James L.	Sophomore	Randolph, Vt.
Halloran, Thomas M.	Junior	Worcester, Mass.
Halton, Gerald J.	Freshman	Holyoke, Mass.
Hanahue, John C.	Freshman	Scranton, Pa.
Harder, John F.	Senior	New Haven, Conn.
Harding, Edward J., Jr.	Junior	Washington, D. C.
Harlow, Hugh J.	Sophomore	N. Easton, Mass.
Harmon, Eugene J.	Sophomore	Worcester, Mass.
Harrington, William F.	Freshman	Newport, R. I.
Harris, John J., Jr.	Junior	Watertown, Mass.
Hassett, John W.	Junior	Unionville, Conn.
Hayden, John W.	Senior	Worcester, Mass.
Hayer, George J.	Junior	Springfield, Vt.
Hayes, John A., Jr.	Freshman	Mt. Airy, Pa.
Hayes, Patrick O'N.	Sophomore	Newport, R. I.
Hayes, Paul F.	Junior	Bath, Me.
Hayes, Walter A.	Freshman	Waterbury, Conn.
Healey, John F., Jr.	Freshman	Dorchester, Mass.
Healey, John J.	Sophomore	Whitinsville, Mass.
Healey, Robert E.	Junior	Waterbury, Conn.
Healy, Edwin F.	Sophomore	New York, N. Y.
Heffernan, John W.	Junior	Brooklyn, N. Y.
Heintz, Herbert W.	Junior	Utica, N. Y.
Henebry, George W.	Senior	Ansonia, Conn.
Hennelly, Thomas P.	Junior	Pittsfield, Mass.
Henry, James N.	Freshman	Cranston, R. I.
Herlihy, George N.	Freshman	W. Roxbury, Mass.
Herlihy, William F.	Sophomore	Newton, Mass.
Hester, James W.	Senior	Clinton, Mass.
Histen, William J.	Freshman	Dorchester, Mass.
Horning, John R.	Freshman	Mt. Vernon, N. Y.
Horrigan, Nicholas J., Jr.	Sophomore	Dorchester, Mass.

Houlihan, John J.	Freshman	Springfield, Mass.
Hourihan, Joseph R.	Freshman	Boston, Mass.
Howard, Ralph A.	Senior	Whitinsville, Mass.
Howarth, John B.	Sophomore	Worcester, Mass.
Howes, Robert G.	Freshman	Southboro, Mass.
Howley, Edward J.	Senior	E. Weymouth, Mass.
Hoy, James M.	Sophomore	E. Milton, Mass.
Hughes, Walter T.	Freshman	Dorchester, Mass.
Hurley, Daniel T.	Sophomore	Fitchburg, Mass.
Iacoboni, Angelo M.	Sophomore	Fitchburg, Mass.
Jackson, William A.	Junior	Lynn, Mass.
Jacobs, Vincent M.	Junior	W. Roxbury, Mass.
Johnson, William A.	Freshman	Toledo, O.
Kane, Bernard M.	Junior	Quincy, Mass.
Kane, John J.	Senior	Worcester, Mass.
Kane, Robert A.	Sophomore	Worcester, Mass.
Kearney, John J.	Junior	Brooklyn, N. Y.
Keating, James P.	Freshman	Natick, Mass.
Keeler, James M.	Freshman	Hudson, N. Y.
Keenan, Charles H., Jr.	Senior	Worcester, Mass.
Kelleher, Thomas A.	Senior	Worcester, Mass.
Kelley, Frederick W.	Sophomore	Gardner, Mass.
Kelley, John E., Jr.	Sophomore	Bangor, Me.
Kelley, John T.	Freshman	Lowell, Mass.
Kelley, Joseph F.	Senior	Allston, Mass.
Kelley, Thomas A.	Junior	Torrington, Conn.
Kelliher, Robert T.	Senior	Springfield, Mass.
Kelly, Francis A.	Freshman	Batavia, N. Y.
Kelly, Francis E.	Freshman	Millbrook, N. Y.
Kenary, Richard N.	Sophomore	Millbury, Mass.
Kennedy, James F.	Junior	Worcester, Mass.
Kennedy, John M.	Senior	Springfield, Mass.
Kennedy, William J.	Senior	Worcester, Mass.
Kennelly, Edward C.	Senior	Morristown, N. J.
Kenney, Arthur J.	Junior	Milford, Mass.
Kenney, Francis D.	Sophomore	Olean, N. Y.
Keppel, Robert F., Jr.	Freshman	Lancaster, Pa.
Kerrigan, Joseph M.	Sophomore	Haverhill, Mass.
Kierce, John J.	Sophomore	Lowell, Mass.

Kilcoyne, Paul A.	Freshman	Gardenville, N. Y.
Kiley, Daniel J.	Junior	N. Attleboro, Mass.
Kilfoyle, Richard M.	Freshman	Salem, Mass.
Kittredge, James I.	Sophomore	Clinton, Mass.
Kittredge, Joseph F.	Senior	Clinton, Mass.
Kittredge, William F.	Freshman	Clinton, Mass.
Kneeland, John F.	Sophomore	Worcester, Mass.
Koch, Henry J.	Sophomore	Dunkirk, N. Y.
Komorek, John J.	Freshman	Webster, Mass.
Kudarauskas, Adam J., Jr.	Sophomore	Worcester, Mass.
Kuziora, Leonard M.	Senior	Erie, Pa.
LaBran, Bernard F.	Freshman	Lynn, Mass.
LaCroix, Edward A.	Senior	Worcester, Mass.
Lacy, William F.	Junior	Hartford, Conn.
LaHaise, Woodrow W.	Senior	Glens Falls, N. Y.
Lahey, Philip J., Jr.	Sophomore	Worcester, Mass.
Lally, Gerard M.	Freshman	Milford, Mass.
Lambert, Francis X.	Junior	Hudson, Mass.
Lane, Dennis J.	Sophomore	Towanda, Pa.
Largay, Charles W.	Senior	Bangor, Me.
Latendresse, Lloyd	Sophomore	Marion, Ind.
LaVigne, Richard J.	Senior	Worcester, Mass.
Lavin, John H.	Sophomore	Worcester, Mass.
Lawlor, James R.	Senior	Waterbury, Conn.
Lawlor, Jeremiah F.	Sophomore	Johnson City, N. Y.
Lawrence, Louis J.	Junior	Flushing, N. Y.
Lawrence, Murtha P.	Freshman	Flushing, N. Y.
Lawton, Philip N.	Sophomore	Lakewood, O.
Leary, Gerald C.	Senior	Lowell, Mass.
Leary, Leo H., Jr.	Freshman	Brookline, Mass.
Lee, Vincent F.	Senior	Medford, Mass.
Lee, William F.	Sophomore	Attleboro, Mass.
Logan, Richard G.	Sophomore	N. Wilbraham, Mass.
Logan, Thomas P.	Senior	Worcester, Mass.
Lomartire, Alfred J.	Freshman	Worcester, Mass.
Loneragan, Francis J.	Senior	Webster, Mass.
Loughran, Morris B.	Sophomore	Lowell, Mass.
Lowney, Jeremiah J., Jr.	Junior	Buzzard's Bay, Mass.
Lowther, Joseph A.	Sophomore	Wellesley Hills, Mass.
Luebke, John J.	Sophomore	Auburn, Mass.
Lushbaugh, Eugene F.	Junior	Brooklyn, N. Y.
Lynch, Dennis F.	Senior	Bronx, N. Y.

Lynch, James P.	Senior	Worcester, Mass.
Lynch, Joseph P., Jr.	Sophomore	Marlboro, Mass.
Lynes, Thomas E.	Junior	N. Grafton, Mass.
Lyons, James F., Jr.	Freshman	Fall River, Mass.
Lyons, John J.	Sophomore	Thomaston, Conn.
MacCartie, Thaddeus R., Jr.	Freshman	Bridgeport, Conn.
Mack, Arthur G.	Freshman	Troy, N. Y.
Madden, William F.	Sophomore	Clinton, Mass.
Maggio, Joseph C.	Freshman	Rochester, N. Y.
Maggioli, Joseph F.	Freshman	Dedham, Mass.
Maguire, Eugene L., Jr.	Sophomore	Somerville, Mass.
Maguire, J. Edward	Sophomore	Derby, Conn.
Maher, Edward C.	Freshman	Worcester, Mass.
Maher, Joseph R.	Senior	Waterbury, Conn.
Maher, Thomas F.	Junior	Worcester, Mass.
Mahoney, James A., Jr.	Freshman	Worcester, Mass.
Mahoney, James E., Jr.	Junior	Buzzard's Bay, Mass.
Mahoney, James M.	Senior	Worcester, Mass.
Mahoney, Raphael V.	Senior	Worcester, Mass.
Mahoney, William P.	Freshman	Worcester, Mass.
Mahoney, William R.	Freshman	Newtonville, Mass.
Maley, Edward W.	Junior	Greenfield, Mass.
Maloney, John F.	Freshman	Worcester, Mass.
Manning, James M., Jr.	Senior	Worcester, Mass.
Mara, William P.	Freshman	Norwich, Conn.
Marbach, Joseph F.	Junior	White Plains, N. Y.
Marcellino, William F.	Sophomore	Hartford, Conn.
Mariani, Victor J.	Sophomore	New York, N.Y.
Martin, John P.	Junior	Worcester, Mass.
Masterson, Charles V., Jr.	Junior	Brooklyn, N. Y.
Masterson, John S.	Senior	W. Roxbury, Mass.
May, Walter R.	Sophomore	Marlboro, Mass.
Meany, John J.	Junior	Woodcliff, N. J.
Meehan, Thomas J., Jr.	Sophomore	Providence, R. I.
Melican, John J.	Senior	Worcester, Mass.
Meng, William C.	Junior	Rochester, N. Y.
Michaelson, Alfred V.	Sophomore	Brooklyn, N. Y.
Millin, John A.	Freshman	Norwood, Mass.
Minichiello, Anthony C.	Freshman	Milford, Mass.
Mitchell, Clarence J.	Junior	Thompsonville, Conn.
Moline, Robert E.	Sophomore	Springfield, Mass.
Monagan, C. Andrew	Senior	Waterbury, Conn.

Monaghan, Thomas F., Jr.	Senior	Fall River, Mass.
Monahan, George F.	Sophomore	Worcester, Mass.
Monahan, John H.	Freshman	Auburndale, Mass.
Monahan, Philip R.	Senior	Worcester, Mass.
Montgomery, A. Frank, Jr.	Sophomore	Cambridge, Mass.
Mooney, Charles T.	Sophomore	Worcester, Mass.
Mooney, Francis B., Jr.	Sophomore	Fall River, Mass.
Moriarty, Henry M.	Freshman	Southbridge, Mass.
Moriarty, Thomas F.	Junior	Ware, Mass.
Moriarty, Thomas J.	Sophomore	Holyoke, Mass.
Morrill, Daniel W.	Freshman	Southbridge, Mass.
Morris, John J.	Senior	New Rochelle, N. Y.
Morris, Joseph P.	Freshman	Worcester, Mass.
Morrison, James M.	Senior	Worcester, Mass.
Morriss, James R.	Junior	Fall River, Mass.
Moynihan, John D.	Sophomore	Johnstown, N. Y.
Mulcahy, John J.	Freshman	Akron, O.
Mullan, Joseph J.	Junior	Worcester, Mass.
Mullen, John J., Jr.	Senior	Framingham, Mass.
Mullen, Stephen F.	Sophomore	Providence, R. I.
Mullin, Francis R., Jr.	Freshman	Winchester, Mass.
Mullin, Samuel S.	Senior	Syracuse, N. Y.
Mullins, Thomas F., Jr.	Junior	Worcester, Mass.
Mulvey, James J.	Junior	Worcester, Mass.
Munroe, Robert B.	Senior	Media, Pa.
Murphy, Daniel J.	Junior	Worcester, Mass.
Murphy, David J.	Sophomore	Forest Hills, N. Y.
Murphy, Dennis R.	Junior	Auburn, Mass.
Murphy, Gordon D.	Senior	Westfield, N. J.
Murphy, John F.	Sophomore	Quincy, Mass.
Murphy, John L.	Junior	Somerville, Mass.
Murphy, John T.	Sophomore	Stoneham, Mass.
Murphy, Joseph F.	Junior	Worcester, Mass.
Murphy, Lawrence A.	Senior	Woburn, Mass.
Murphy, Paul W.	Junior	Worcester, Mass.
Murphy, Philip J.	Senior	Worcester, Mass.
Murray, Francis A.	Sophomore	Jamaica Plain, Mass.
Murray, Joseph E.	Freshman	Milford, Mass.
Murray, Joseph F., Jr.	Senior	Maplewood, N. J.
Murray, Paul F.	Senior	Bangor, Me.
Murtagh, William P.	Junior	Great Barrington, Mass.
Murtha, Francis M.	Junior	Pulaski, N. Y.
McAloon, Vincent J.	Senior	N. Andover, Mass.

McArdle, John J., Jr.	Junior	Lawrence, Mass.
McAvoy, Francis T., Jr.	Sophomore	Boston, Mass.
McCann, Edward T., Jr.	Freshman	Worcester, Mass.
McCarroll, John J.	Freshman	Summit, N. J.
McCarthy, Daniel F.	Senior	Worcester, Mass.
McCarthy, Matthew J.	Junior	Rumford, Me.
McCaughy, Edward J., Jr.	Junior	Pawtucket, R. I.
McCauliff, Robert F.	Freshman	Worcester, Mass.
McCauliff, Roger J.	Freshman	Worcester, Mass.
McCormack, William A.	Junior	Bronx, N. Y.
McDermott, Edward P.	Sophomore	Worcester, Mass.
McDermott, James J.	Senior	Staten Island, N. Y.
McDonald, Arthur M., Jr.	Freshman	Waterbury, Conn.
McDonald, James P.	Junior	Worcester, Mass.
McDonald, John L.	Senior	Ashley, Pa.
McDonald, Joseph M.	Junior	Ashley, Pa.
McDonald, William J.	Sophomore	Binghamton, N. Y.
McEneaney, John J.	Junior	Clinton, Mass.
McFadden, Andrew H.	Senior	Waterbury, Conn.
McGahan, Joseph D.	Sophomore	Blackstone, Mass.
McGaughy, John R.	Freshman	Holbrook, Mass.
McGillicuddy, Thomas F.	Freshman	Brighton, Mass.
McGillicuddy, Thomas J.	Freshman	Boston, Mass.
McGonagle, William E.	Sophomore	Belmont, Mass.
McGovern, William W.	Freshman	Worcester, Mass.
McGrady, James P.	Senior	Worcester, Mass.
McGrail, Francis S.	Sophomore	Worcester, Mass.
McGrath, Thomas D.	Senior	Worcester, Mass.
McGratty, Donald V.	Junior	Brooklyn, N. Y.
McGraw, Joseph A.	Junior	Albany, N. Y.
McGuinness, Howard V.	Senior	Webster, Mass.
McGuirk, John F.	Junior	Lowell, Mass.
McHugh, Francis D., Jr.	Sophomore	Worcester, Mass.
McHugh, Frank J., Jr.	Junior	Lynn, Mass.
McHugh, James F. X.	Junior	Maplewood, N. J.
McKenna, William H.	Freshman	New Haven, Conn.
McKeon, George J.	Sophomore	Dorchester, Mass.
McKone, Thomas C.	Freshman	Hartford, Conn.
McLean, John G.	Freshman	Holyoke, Mass.
McLoughlin, Vincent DeP.	Freshman	Troy, N. Y.
McMackin, John F.	Sophomore	Boston, Mass.
McMahon, John J.	Junior	N. Bergen, N. J.
McMahon, Paul J.	Junior	Worcester, Mass.

McManus, James F.	Junior	New York, N. Y.
McManus, John H., Jr.	Senior	Kingston, N. Y.
McManus, Joseph A.	Junior	Brooklyn, N. Y.
McManus, Philip T.	Sophomore	Worcester, Mass.
McManus, Robert L.	Sophomore	Binghamton, N. Y.
McMichael, Harry X.	Sophomore	Blackstone, Mass.
McMichael, John H.	Freshman	Blackstone, Mass.
McNamara, James M.	Freshman	Clinton, Mass.
McNaney, Harold E.	Senior	Ware, Mass.
McPhillips, Bernard F.	Sophomore	The Glen, N. Y.
		Worcester, Mass.
Nagle, George P.	Junior	New York, N. Y.
Naughton, George J.	Sophomore	Worcester, Mass.
Navickas, Alphonsus F.	Senior	Worcester, Mass.
Nealon, Robert T.	Sophomore	Milford, Mass.
Neville, George M.	Senior	Bangor, Me.
Nolan, Bernard J.	Junior	Milford, Mass.
Nolan, Christopher A.	Junior	Arlington, Mass.
Nolin, Jules A.	Junior	St. Johnsbury, Vt.
Noonan, Dan J.	Junior	Waterbury, Conn.
Noonan, Thomas J.	Senior	Hartford, Conn.
Norton, James A.	Junior	Worcester, Mass.
Norton, Thomas M.	Senior	Pittsfield, Mass.
Nugent, Edward F.	Sophomore	Auburn, Mass.
Nugent, John J., Jr.	Senior	Auburn, Mass.
Nugent, Lawrence J., Jr.	Freshman	Boston, Mass.
		Hartford, Conn.
O'Brien, Edward J.	Senior	Dorchester, Mass.
O'Brien, Paul I.	Junior	Hopkinton, Mass.
O'Brien, Richard D.	Freshman	Albany, N. Y.
O'Brien, T. Stanley, III	Senior	Scranton, Pa.
O'Brien, William A.	Sophomore	Newburyport, Mass.
O'Brien, William J., Jr.	Sophomore	Worcester, Mass.
O'Coin, Robert E.	Freshman	New York, N. Y.
O'Connell, Daniel J.	Freshman	E. Boston, Mass.
O'Connell, Daniel J.	Sophomore	Derby, Conn.
O'Connell, Edward B.	Senior	Springfield, Mass.
O'Connell, Thomas F.	Junior	Worcester, Mass.
O'Connor, Carroll V.	Senior	Waterbury, Conn.
O'Connor, Charles E.	Freshman	Worcester, Mass.
O'Connor, Daniel F.	Senior	Worcester, Mass.
O'Connor, James P.	Junior	Worcester, Mass.
O'Connor, John F.	Junior	Worcester, Mass.

O'Connor, John H.	Freshman	Worcester, Mass.
O'Connor, J. William	Sophomore	Worcester, Mass.
O'Connor, Thomas B.	Sophomore	Worcester, Mass.
O'Conor, John F.	Sophomore	Cincinnati, O.
O'Day, John I.	Freshman	Buffalo, N. Y.
O'Dell, David W.	Junior	Highland Falls, N. Y.
O'Donnell, Edward J.	Senior	Waterbury, Conn.
Ogar, George W.	Freshman	Dorchester, Mass.
O'Hare, James J., Jr.	Freshman	E. Hartford, Conn.
O'Hayer, James F.	Sophomore	New Rochelle, N. Y.
O'Hearn, Francis D.	Junior	Arlington, Mass.
O'Hearn, John J.	Freshman	Worcester, Mass.
O'Hearn, Matthew C., Jr.	Freshman	Cristobal, Canal Zone
Ohman, Richard J.	Senior	Gardner, Mass.
O'Keefe, George O.	Sophomore	Attleboro, Mass.
O'Keefe, T. Stephen	Junior	S. Orange, N. J.
O'Leary, Thomas J.	Freshman	Somerville, Mass.
Ollis, George E.	Junior	Worcester, Mass.
O'Malley, Joseph B.	Junior	Clinton, Mass.
O'Melia, Edward J., Jr.	Junior	Winchester, Mass.
O'Neil, Hugh F.	Freshman	Akron, O.
O'Neil, John J.	Junior	Akron, O.
O'Neil, Thomas F.	Senior	Akron, O.
O'Neill, John J.	Senior	Lowell, Mass.
O'Neill, John J.	Sophomore	Dover, N. H.
Osborn, Robert J.	Junior	Beloit, Wis.
O'Shea, Cornelius P., Jr.	Freshman	Hyde Park, Mass.
Ostrowski, Francis W.	Freshman	Webster, Mass.
O'Sullivan, Donald F.	Sophomore	Brooklyn, N. Y.
O'Toole, Richard G.	Junior	Clinton, Mass.
Owens, Andrew P.	Senior	Bridgeport, Conn.
Parpal, John T.	Senior	Binghamton, N. Y.
Peck, Edward C.	Sophomore	W. Springfield, Mass.
Pennington, Howard L.	Sophomore	Hollidaysburg, Pa.
Petruska, Walter J.	Junior	Farnumsville, Mass.
Phelan, John J.	Freshman	Worcester, Mass.
Phelan, William R.	Junior	Brooklyn, N. Y.
Philbin, Robert A.	Junior	Milford, Mass.
Pianowski, Peter J.	Senior	Worcester, Mass.
Picone, Eugene R.	Senior	Port Washington, N. Y.
Pierce, James F.	Senior	Worcester, Mass.
Piotrowski, Woodrow P.	Freshman	Springfield, Mass.

Piurek, John A.	Sophomore	Hartford, Conn.
Plouffe, John B.	Freshman	Webster, Mass.
Potter, Robert J.	Freshman	Fitchburg, Mass.
Powell, John H.	Senior	Brooklyn, N. Y.
Power, John J.	Senior	Worcester, Mass.
Power, John V.	Freshman	Worcester, Mass.
Power, Thomas A.	Junior	Worcester, Mass.
Powers, Paul F.	Junior	Worcester, Mass.
Prior, Daniel H., Jr.	Freshman	Selkirk, N. Y.
Quigley, Donald J.	Freshman	Waban, Mass.
Quinn, Bernard F.	Freshman	Erie, Pa.
Quinn, John W.	Junior	Springfield, Mass.
Quinn, Robert V., Jr.	Freshman	Waterbury, Conn.
Radley, James A.	Sophomore	W. Roxbury, Mass.
Radley, John J., Jr.	Junior	W. Roxbury, Mass.
Rafferty, Joseph V., Jr.	Junior	Worcester, Mass.
Reardon, John A., III	Freshman	Chestnut Hill, Mass.
Reardon, John J.	Sophomore	Worcester, Mass.
Reddington, Francis P., Jr.	Freshman	Pittsfield, Mass.
Reed, Edward L., Jr.	Sophomore	Providence, R. I.
Reedy, David J., Jr.	Freshman	Scranton, Pa.
Regan, James S., Jr.	Freshman	Brooklyn, N. Y.
Regan, William M.	Junior	Brooklyn, N. Y.
Reidy, David R.	Sophomore	Worcester, Mass.
Reidy, James G.	Sophomore	Worcester, Mass.
Reidy, Maurice J., Jr.	Junior	Winsted, Conn.
Reidy, Robert C.	Senior	Worcester, Mass.
Reilly, James A.	Sophomore	Portland, Me.
Reilly, John J.	Junior	Lowell, Mass.
Reilly, John J.	Freshman	Pittsfield, Mass.
Renz, Hilary E.	Sophomore	New York, N. Y.
Reynolds, James H.	Freshman	Worcester, Mass.
Rice, Mark E.	Freshman	Fitchburg, Mass.
Richardson, John H.	Sophomore	Lynn, Mass.
Ridler, John J.	Freshman	Worcester, Mass.
Riel, Arthur P., Jr.	Freshman	Springfield, Mass.
Riel, Joseph A.	Junior	Springfield, Mass.
Riley, John C.	Junior	Burlington, Ia.
Riley, John N.	Senior	Worcester, Mass.
Riley, Robert G.	Junior	DesMoines, Ia.
Ringwald, Gregory M.	Freshman	Thompsonville, Conn.

Ripton, David T.	Junior	Rochester, N. Y.
Rivers, Edward O.	Sophomore	Worcester, Mass.
Robinson, George B.	Junior	Bridgeport, Conn.
Roche, Joseph E.	Senior	Springfield, Mass.
Roche, Maurice A.	Senior	Worcester, Mass.
Rollo, Angelino	Freshman	Fitchburg, Mass.
Rossiter, Francis S.	Senior	Malden, Mass.
Roth, Martin C.	Freshman	Syracuse, N. Y.
Roy, Clement J.	Senior	Worcester, Mass.
Russell, John E.	Sophomore	Worcester, Mass.
Russo, Gaetano A., Jr.	Freshman	Waterbury, Conn.
Ruzicka, Francis F.	Sophomore	Baltimore, Md.
Ryan, David K.	Senior	Worcester, Mass.
Ryan, Edward P.	Sophomore	Worcester, Mass.
Ryan, George C.	Sophomore	Rockland, Mass.
Ryan, John J.	Senior	Brighton, Mass.
Saint, Paul J.	Freshman	Brighton, Mass.
Sammon, John F.	Junior	Pittsfield, Mass.
Santosuosso, Vincent	Sophomore	Hyde Park, Mass.
Sarris, Joseph H.	Junior	Millis, Mass.
Scanlon, Edward O.	Freshman	Worcester, Mass.
Scanlon, James G.	Senior	Leominster, Mass.
Scanlon, Joseph C.	Freshman	Worcester, Mass.
Schiller, Clarence R.	Freshman	Worcester, Mass.
Schleyer, William R.	Sophomore	Worcester, Mass.
Schriver, John T., Jr.	Sophomore	Chicago, Ill.
Schultz, William E.	Sophomore	Dorchester, Mass.
Sciullo, Virgil A.	Junior	Waterbury, Conn.
Scott, John F., Jr.	Freshman	Wakefield, Mass.
Scully, George B.	Sophomore	Pittsfield, Mass.
Scully, Vincent A., Jr.	Freshman	New Rochelle, N. Y.
Seegraber, Francis J.	Junior	Roxbury, Mass.
Segerson, James E.	Freshman	Glens Falls, N. Y.
Segerson, John A.	Freshman	Glens Falls, N. Y.
Segerson, Robert D.	Senior	Glens Falls, N. Y.
Senckowski, Thaddeus V.	Senior	Worcester, Mass.
Sexton, William M.	Freshman	Utica, N. Y.
Shanahan, Enda P.	Junior	E. Elmhurst, N. Y.
Sharkey, Ralph S.	Senior	Detroit, Mich.
Shaughnessy, William T.	Senior	Worcester, Mass.
Shea, Cornelius J.	Sophomore	Dorchester, Mass.
Shea, Cornelius V.	Sophomore	Worcester, Mass.

Shea, Frederick T.	Freshman	Brooklyn, N. Y.
Shea, Ralph C.	Freshman	Worcester, Mass.
Shea, William T.	Sophomore	Worcester, Mass.
Sheehan, David V.	Senior	Elmira, N. Y.
Sheehan, David W.	Junior	Auburn, N. Y.
Sheehan, George J., Jr.	Freshman	Edgewood, R. I.
Sheehan, John P., Jr.	Sophomore	Chicopee Falls, Mass.
Sheridan, Edward J.	Senior	Clinton, Mass.
Slimbaugh, Donald J.	Sophomore	Binghamton, N. Y.
Smith, Harry W.	Junior	Comstock, N. Y.
Smith, Warren J.	Junior	Worcester, Mass.
Spaeth, Bernard L.	Senior	Davenport, Ia.
Spaeth, Carl J.	Freshman	Davenport, Ia.
Spaulding, James V.	Freshman	Worcester, Mass.
Spellane, Phillip G.	Freshman	Worcester, Mass.
Spinelli, Joseph P.	Junior	Boston, Mass.
Stack, Gerald A.	Junior	Lorain, Ohio
Statz, John R.	Senior	Worcester, Mass.
Stevens, William T.	Freshman	New York, N. Y.
St. Germain, Robert J.	Freshman	Fitchburg, Mass.
Stiles, Edward F.	Senior	Holyoke, Mass.
Storm, George D.	Senior	Waterbury, Conn.
Sullivan, Arthur F.	Sophomore	Worcester, Mass.
Sullivan, Francis B.	Junior	Worcester, Mass.
Sullivan, Francis X.	Freshman	Jersey City, N. J.
Sullivan, John D.	Sophomore	Worcester, Mass.
Sullivan, John E., Jr.	Junior	Arlington, N. J.
Sullivan, John F.	Junior	Worcester, Mass.
Sullivan, John J.	Freshman	Milton, Mass.
Sullivan, John J. P.	Senior	Worcester, Mass.
Sullivan, Lawrence J.	Junior	Worcester, Mass.
Sullivan, Mark P.	Junior	E. Pepperell, Mass.
Sullivan, Patrick A.	Sophomore	Burlington, Vt.
Sullivan, Paul F.	Senior	N. Adams, Mass.
Sullivan, Philip B.	Senior	Lawrence, Mass.
Sullivan, William A.	Freshman	Worcester, Mass.
Sullivan, William F.	Sophomore	Springfield, Mass.
Sullivan, William P., Jr.	Sophomore	Douglaston, N. Y.
Sutherland, William G., Jr.	Senior	Toledo, O.
Sweeney, Francis W.	Junior	Milford, Mass.
Swords, Raymond J.	Junior	Springfield, Mass.
Szynal, John S.	Senior	Webster, Mass.
Taaffee, James T., Jr.	Sophomore	Albany, N. Y.

Tarr, George H., Jr.	Sophomore	Gloucester, Mass.
Taylor, Frank H.	Sophomore	Sarasota, Fla.
Tebeau, Raymod A.	Senior	Whitinsville, Mass.
Terranova, Joseph F.	Freshman	Westerly, R. I.
Thorp, Frank W., Jr.	Senior	Manhasset, L. I., N. Y.
Tighe, James M.	Senior	Lowell, Mass.
Tinsley, Joseph M.	Junior	Worcester, Mass.
Titus, Silas J.	Freshman	Brooklyn, N. Y.
Tobin, Richard K.	Sophomore	Derby, Conn.
Tobin, T. Parker	Senior	Brookline, Mass.
Tomlin, Robert F.	Senior	Brooklyn, N. Y.
Toner, James V.	Sophomore	Attleboro, Mass.
Tracy, Joseph F.	Junior	Worcester, Mass.
Tripp, Henry S.	Freshman	Watertown, N. Y.
Trunca, Daniel J.	Sophomore	Worcester, Mass.
Trunfo, Joseph A.	Junior	Utica, N. Y.
Tucker, William D., Jr.	Sophomore	Rye, N. Y.
Turner, James J.	Freshman	Lawrence, Mass.
Vaas, Francis J.	Junior	Newton Centre, Mass.
Verow, George W., Jr.	Sophomore	Adams, Mass.
Villhauer, John H.	Junior	Woodside, L. I., N. Y.
Volin, William A.	Freshman	Pittsfield, Mass.
Vuono, Charles H.	Freshman	Stamford, Conn.
Walewski, Walter B.	Freshman	Mt. Carmel, Pa.
Wall, William N.	Junior	Worcester, Mass.
Walsh, Alexander R.	Freshman	Newport, R. I.
Walsh, Arthur H.	Senior	Bridgeport, Conn.
Walsh, Edward S.	Sophomore	Holyoke, Mass.
Walsh, Raymond M.	Junior	Lowell, Mass.
Walters, Robert W.	Sophomore	Springfield, Mass.
Ware, Paul F.	Junior	Clinton, Mass.
Welch, Robert F.	Junior	New York, N. Y.
Welsh, Edward J.	Sophomore	Albany, N. Y.
Whalen, Henry L., Jr.	Freshman	Worcester, Mass.
Whalley, Evan J.	Sophomore	New Bedford, Mass.
White, George J.	Sophomore	Worcester, Mass.
White, James H.	Senior	Worcester, Mass.
White, Paul D.	Junior	Worcester, Mass.
White, Russell E.	Senior	Barre, Vt.
White, William C.	Freshman	New York, N. Y.
Whitfield, John E.	Senior	Albany, N. Y.
Wiest, John J.	Senior	Brooklyn, N. Y.

Wilkas, John J. P.	Freshman	Dorchester, Mass.
Wilson, David A., Jr.	Sophomore	Hartford, Conn.
Wollam, Edward J.	Junior	Brooklyn, N. Y.
Yates, John B.	Sophomore	Brooklyn, N. Y.
Young, Henry McG.	Sophomore	New Britain, Conn.
Zailckas, Floyd B.	Freshman	Waterbury, Conn.
Zeinz, Joseph H.	Junior	Brooklyn, N. Y.
Zintl, Robert T.	Junior	Drexel Hill, Pa.

ECONOMICS COURSE

Barrett, Joseph P., Jr.	Freshman	Trenton, N. J.
Beierschmitt, Joseph C.	Junior	Mt. Carmel, Pa.
Blanchfield, Frank J.	Freshman	Ho-Ho-Kus, N. J.
Bracken, Walter P.	Junior	Hyde Park, Mass.
Brouillette, J. G. Andre	Sophomore	Pawtucket, R. I.
Burr, Robert J.	Freshman	E. Millinocket, Me.
Callahan, Charles M., Jr.	Freshman	W. Roxbury, Mass.
Campbell, Henry A.	Junior	Holyoke, Mass.
Cannon, Paul T.	Freshman	Worcester, Mass.
Caputo, John W.	Sophomore	New York, N. Y.
Carr, John H., Jr.	Junior	Salem, Mass.
Carroll, George L.	Junior	Laconia, N. H.
Carroll, James M.	Freshman	Laconia, N. H.
Carroll, William W.	Sophomore	Salem, Mass.
Collagan, Edward C.	Sophomore	New Britain, Conn.
Collins, Francis J.	Sophomore	Norwood, Mass.
Cotter, William J.	Freshman	Brookline, Mass.
Crawford, George H.	Freshman	Rockland, Mass.
Crompton, Charles J.	Sophomore	Worcester, Mass.
Cunningham, John J., Jr.	Sophomore	Portland, Me.
Cunningham, Philip C.	Freshman	Fitchburg, Mass.
Curran, Matthew J.	Junior	New Bedford, Mass.
Daly, William R.	Junior	Ellenburg Depot, N. Y.
Davoren, John F. X.	Freshman	Milford, Mass.
Dawson, Hanley, Jr.	Freshman	Detroit, Mich.
Delaney, J. Kemp	Freshman	Paterson, N. J.
Delaney, Leo M.	Sophomore	Boston, Mass.
DiFrancesco, Thomas A.	Freshman	Albany, N. Y.
Donovan, Daniel F., Jr.	Freshman	Millbury, Mass.
Donovan, Frederick J.	Sophomore	Lawrence, Mass.

Doyle, John T.	Freshman	Springfield, Mass.
Dryden, Edward M.	Freshman	Detroit, Mich.
Dunn, W. Paul	Junior	Dorchester, Mass.
Elliott, Richard W.	Freshman	Southington, Conn.
Fay, John J., Jr.	Freshman	Worcester, Mass.
Feely, Robert P.	Sophomore	Jamaica Plain, Mass.
Ferretti, Edwin D.	Sophomore	Worcester, Mass.
Flynn, Frank J.	Freshman	Brookline, Mass.
Flynn, Maurice R.	Sophomore	Malden, Mass.
Fornaris, Fernando X.	Freshman	Ponce, P. R.
Foster, George M., Jr.	Sophomore	Wellesley, Mass.
Frank, Joseph L.	Sophomore	Troy, N. Y.
Gallagher, Thomas F.	Freshman	Winnetka, Ill.
Gillespie, John W.	Sophomore	Pittston, Pa.
Gilligan, Eugene A.	Freshman	So. Orange, N. J.
Gillis, Lyman E.	Freshman	Brockton, Mass.
Gordon, Hubert F.	Freshman	Scranton, Pa.
Gray, Francis J.	Freshman	Salem, Mass.
Hall, Donald F.	Freshman	Ossining, N. Y.
Halloran, Paul J.	Sophomore	Quincy, Mass.
Harney, John J.	Junior	Lynn, Mass.
Harrington, Francis X.	Sophomore	Newport, R. I.
Hartcorn, Robert F.	Sophomore	Brooklyn, N. Y.
Hauser, Edward P.	Sophomore	Pelham Manor, N. Y.
Hayes, John E.	Freshman	Scottsville, N. Y.
Helies, John C.	Sophomore	Brooklyn, N. Y.
Holst, Gustaf W.	Freshman	Worcester, Mass.
Hourin, David P.	Junior	Framingham, Mass.
Howard, Eugene F.	Junior	Somersville, Conn.
Jasen, Philip R.	Freshman	Worcester, Mass.
Judge, Joseph L., Jr.	Sophomore	Worcester, Mass.
Kelly, Peter J.	Freshman	New Haven, Conn.
Kickham, Charles J., Jr.	Freshman	Brookline, Mass.
Lamothe, John H.	Freshman	Arlington, Mass.
Leahy, John D.	Sophomore	Portsmouth, N. H.
Leyden, Robert D.	Junior	Springfield, Mass.

Loughran, William V., Jr.	Sophomore	Scranton, Pa.
Lynch, James M.	Freshman	New York, N. Y.
Lynch, Paul F.	Sophomore	Roslindale, Mass.
Lyons, Frederick L., Jr.	Sophomore	Belmont, Mass.
Mackey, William C.	Freshman	Troy, N. Y.
Maher, Thomas F.	Junior	Holyoke, Mass.
Maheu, Robert A.	Freshman	Waterville, Me.
Manning, David J., Jr.	Junior	Springfield, Mass.
Manoli, Peter G.	Sophomore	Arlington, Mass.
Manzi, Arthur J.	Sophomore	Worcester, Mass.
Martin, W. Robert	Freshman	Syracuse, N. Y.
Mautner, Robert F., Jr.	Junior	New Britain, Conn.
Meyer, George J.	Sophomore	Buffalo, N. Y.
Mitchell, Albert	Freshman	Taunton, Mass.
Monagan, John S.	Sophomore	Waterbury, Conn.
Monahan, Francis J.	Junior	Worcester, Mass.
Moore, John H.	Sophomore	New Haven, Conn.
Moran, William H., Jr.	Freshman	Fall River, Mass.
Moriarty, William F., Jr.	Freshman	Elizabeth, N. J.
Mullin, James E.	Junior	Milford, Mass.
Murray, Francis X.	Freshman	Bloomfield, N. J.
McCafferty, George O'D.	Freshman	Worcester, Mass.
McClatchy, Paul A.	Freshman	Merion, Pa.
McDonough, James A.	Freshman	Stoneham, Mass.
McDonough, Richard A., Jr.	Freshman	So. Orange, N. J.
McGinity, Edward J.	Sophomore	St. Johnsbury, Vt.
McGrath, Frederic H.	Junior	Ridgewood, N. J.
McLean, J. Seymour	Sophomore	Newton, Mass.
Nolan, Frank T.	Freshman	Clinton, Mass.
O'Brien, Joseph M.	Freshman	Brookline, Mass.
O'Connell, Philip D.	Sophomore	Worcester, Mass.
O'Connell, William R.	Junior	Newton, Mass.
O'Connor, Joseph T.	Junior	Swampscott, Mass.
O'Neill, Frederick L.	Junior	Worcester, Mass.
Pabst, Charles J., Jr.	Freshman	Roslindale, Mass.
Pedone, Joseph J.	Sophomore	Worcester, Mass.
Phillips, Wendell T., Jr.	Junior	Milford, Mass.
Quigley, William G.	Freshman	Wilkes-Barre, Pa.
Quincy, John	Freshman	Newton, Mass.

Reddish, Leo F.	Junior	Boston, Mass.
Rice, Edward H., Jr.	Sophomore	Bangor, Me.
Rogan, Charles F.	Sophomore	Bangor, Me.
Rogers, Charles F.	Junior	Woonsocket, R. I.
Scanlon, Lawrence H.	Junior	Roslindale, Mass.
Schlitzer, George V.	Freshman	Wellesley Hills, Mass.
Shea, John J.	Junior	Worcester, Mass.
Snay, Charles A.	Freshman	Spencer, Mass.
Snell, Wallace F.	Junior	Lynn, Mass.
Snyder, Charles J., Jr.	Junior	Utica, N. Y.
Spinelli, Peter J.	Junior	Dorchester, Mass.
Stanton, James W.	Freshman	Wakefield, Mass.
Svirsky, John J.	Freshman	Brockton, Mass.
Sweet, Raymond T.	Sophomore	Worcester, Mass.
Szczotkowski, Stephen J.	Sophomore	Elmhurst, N. Y.
Tansey, John T., Jr.	Junior	Lynn, Mass.
Teague, Frank J.	Sophomore	Philadelphia, Pa.
Theriault, Clytis J.	Freshman	Portland, Me.
Thompson, William B., II	Freshman	Detroit, Mich.
Thornton, Francis E., Jr.	Sophomore	Newport, R. I.
Timony, James F.	Freshman	Hazleton, Pa.
Trombetta, Anthony J.	Junior	Rutland, Vt.
Tullio, Louis J.	Sophomore	Erie, Pa.
Turnesa, William P.	Junior	Elmsford, N. Y.
Vacca, William R.	Sophomore	Worcester, Mass.
Wadsworth, Charles W.	Freshman	Hartford, Conn.
Walsh, Bernard G.	Sophomore	Rockville, N. Y.
Walsh, John F.	Junior	Franklin, Mass.
Walsh, John H.	Sophomore	Belmont, Mass.
Weems, Robert A.	Freshman	Westfield, N. J.
Weir, Richard A.	Freshman	Worcester, Mass.
Winckler, Robert G.	Sophomore	Detroit, Mich.

EDUCATION COURSE

Adams, Edward F.	Freshman	Worcester, Mass.
Ball, John E.	Freshman	Clinton, Mass.
Barry, Thomas J.	Freshman	Meriden, Conn.
Bartolomeo, Paul J.	Junior	Philadelphia, Pa.
Bates, Albert W.	Junior	Worcester, Mass.

Bell, Daniel J.	Sophomore	Leominster, Mass.
Blasser, Richard H.	Freshman	Dorchester, Mass.
Bogdan, John P.	Freshman	New Britain, Conn.
Boule, Edward J.	Freshman	Worcester, Mass.
Boyle, Joseph E.	Sophomore	Pittston, Pa.
Brislan, John B.	Sophomore	Frankfort, Ky.
Brucato, Charles J.	Junior	Milford, Mass.
Burke, Richard H.	Freshman	Dorchester, Mass.
Byrne, Frank X.	Freshman	Charlestown, Mass.
Cahill, Ronald M.	Freshman	Leominster, Mass.
Carroll, John J.	Sophomore	Rutland, Mass.
Cimino, Michael J.	Freshman	New Britain, Conn.
Collins, William J.	Sophomore	Arlington, Mass.
Conlin, John F.	Junior	Worcester, Mass.
Corkery, Francis M.	Sophomore	Easthampton, Mass.
Cumiskey, James T.	Junior	Worcester, Mass.
Daly, Laurence J., Jr.	Freshman	Webster, Mass.
Damelio, Vincent J.	Sophomore	Worcester, Mass.
Daughters, Robert F.	Junior	Watertown, Mass.
Deedy, William B.	Freshman	Worcester, Mass.
DeFalco, George F.	Sophomore	Worcester, Mass.
Delaney, John T.	Freshman	So. Natick, Mass.
Derby, Joseph F.	Sophomore	Lawrence, Mass.
Dinan, John R.	Junior	Swampscott, Mass.
Downey, Donald A.	Freshman	Worcester, Mass.
Downey, Edward J.	Freshman	Cambridge, Mass.
Duplessis, Arthur P.	Freshman	Marlboro, Mass.
Fay, William J.	Sophomore	Worcester, Mass.
Fecteau, Albert J., Jr.	Freshman	Spencer, Mass.
Finneran, John F., Jr.	Junior	Worcester, Mass.
Flynn, Thomas P.	Freshman	Worcester, Mass.
Gallogly, William F.	Junior	Hillsgrove, R. I.
Gerasimas, Bernard F.	Freshman	Philadelphia, Pa.
Giardi, Andrew H.	Freshman	Hartford, Conn.
Graham, John I.	Junior	Worcester, Mass.
Grant, John J.	Freshman	Worcester, Mass.
Griffin, William J.	Sophomore	Dorchester, Mass.
Hart, Raymond F.	Junior	Millville, Mass.
Hassett, Henry W.	Sophomore	Worcester, Mass.
Hazell, William F., Jr.	Junior	Brighton, Mass.

Hennebry, Joseph F.	Freshman	Framingham, Mass.
Johnson, James C., Jr.	Sophomore	Brookline, Mass.
Joubert, Francis X.	Junior	Marlboro, Mass.
Kelley, John J.	Junior	Tewksbury, Mass.
Kelley, Joseph E.	Junior	Lynn, Mass.
Kelly, J. Paul	Sophomore	Arlington, Mass.
Kenney, William F.	Freshman	Hopkinton, Mass.
Klarnick, Michael P.	Freshman	Watervliet, N. Y.
Kowalchyk, Harry R.	Freshman	Watervliet, N. Y.
Kowalski, Raymond J.	Freshman	Adams, Mass.
Labovites, Pericles	Freshman	Worcester, Mass.
LaTanzi, Arigo L., Jr.	Sophomore	Chelsea, Mass.
Lefebvre, Wilfred H.	Junior	Pawtucket, R. I.
Lepore, Victor R.	Freshman	Worcester, Mass.
L'Esperance, Vincent E.	Junior	Worcester, Mass.
Mahoney, William J.	Sophomore	Worcester, Mass.
Medford, John G.	Freshman	Waterbury, Conn.
Moraghan, Martin J.	Sophomore	Litchfield, Conn.
Mulry, Martin F.	Freshman	Worcester, Mass.
Murphy, Thomas M.	Freshman	Worcester, Mass.
McDonnell, Joseph F.	Junior	New Haven, Conn.
McKeon, John F.	Freshman	Worcester, Mass.
McLaughlin, Cornelius A.	Junior	Port Jervis, N. Y.
O'Brien, Charles H.	Freshman	Milford, Mass.
O'Connor, Edward R.	Freshman	Spencer, Mass.
O'Reilly, Robert P.	Freshman	Arlington, Mass.
Osmanski, William T.	Sophomore	Providence, R. I.
Ouimet, Gill R.	Sophomore	Foxboro, Mass.
Pilet, George A.	Freshman	Worcester, Mass.
Powers, Francis J.	Junior	Worcester, Mass.
Prendergast, Eugene F.	Freshman	New Haven, Conn.
Ryan, James A.	Freshman	Milton, Vt.
Rylisko, Louis S.	Sophomore	Worcester, Mass.
Sarles, Robert L.	Freshman	Mamaroneck, N. Y.
Sarno, Carl A.	Freshman	Medford, Mass.
Seich, Michael G.	Freshman	New Britain, Conn.
Shannon, John E.	Junior	Worcester, Mass.
Shields, William L.	Junior	Osterville, Mass.

Tisdell, Walter C. X.	Freshman	Shrewsbury, Mass.
Toohil, John P.	Junior	Worcester, Mass.
Wall, Charles A.	Junior	Lynn, Mass.
Welch, John E.	Freshman	Holden, Mass.
Welsh, Leonard W.	Junior	Worcester, Mass.
Ziniti, Henry J.	Sophomore	Dorchester, Mass.

HISTORY COURSE

Delaney, Joseph P.	Sophomore	Providence, R. I.
Downey, James B.	Sophomore	Dorchester, Mass.
Durand, Camille L.	Sophomore	Georgiaville, R. I.
Garvey, Brandon P.	Sophomore	Chicopee, Mass.
Noone, James J.	Sophomore	Worcester, Mass.
Ouellette, Henry G.	Sophomore	Lawrence, Mass.
Shea, Leo F.	Sophomore	Hingham, Mass.

PHILOSOPHY COURSE

Adduci, Saverio J.	Senior	Dorchester, Mass.
Aspero, Joseph A.	Senior	Worcester, Mass.
Bruninghaus, Roy W., Jr.	Senior	Millbury, Mass.
Burnham, Andrew F.	Senior	Nashua, N. H.
Byrne, Richard D.	Senior	Chicago, Ill.
Callaghan, Francis P.	Senior	Newton, Mass.
Callahan, Herbert F., Jr.	Senior	Boston, Mass.
Caprise, Frank E., Jr.	Senior	Mineola, N. Y.
Carey, David P.	Senior	New York, N. Y.
Carpenter, Gregory D.	Senior	Keene, N. H.
Carroll, James V.	Senior	Providence, R. I.
Colapietro, Anthony J.	Senior	Springfield, Mass.
Coleman, Fred J.	Senior	Boston, Mass.
Connolly, John F.	Senior	Beverly, Mass.
Cosgrove, Thomas A.	Senior	Worcester, Mass.
Cronin, George S. Homer	Senior	New Bedford, Mass.
Cunningham, Edward A., Jr.	Senior	Belmont, Mass.
Curley, Robert H.	Senior	Wakefield, Mass.

Depot, John B.	Senior	New Britain, Conn.
Devine, John F.	Senior	New York, N. Y.
Donahue, Joseph T.	Senior	Lawrence, Mass.
Dougherty, Edward C.	Senior	Plainfield, Mass.
Dougherty, Vincent G.	Senior	Scranton, Pa.
Dowd, John J.	Senior	Worcester, Mass.
Dulligan, Joseph P.	Senior	Worcester, Mass.
Feeley, Henry J.	Senior	Cambridge, Mass.
Finn, Thomas J., Jr.	Senior	Leicester, Mass.
Fitzgerald, John T.	Senior	Dorchester, Mass.
Gallagher, Richard J.	Senior	Providence, R. I.
Gleason, Robert D.	Senior	Watertown, Mass.
Graham, Bertram E.	Senior	Worcester, Mass.
Graham, Ziba F.	Senior	Detroit, Mich.
Grannan, Robert E.	Senior	Arlington, Mass.
Hafeli, George P.	Senior	Peterborough, N. H.
Hanifan, Frederick J.	Senior	Malden, Mass.
Hannaway, Edward L.	Senior	Manchester, N. H.
Howard, Edwin A.	Senior	Canton, Mass.
Hynes, Edward G.	Senior	Brooklyn, N. Y.
Jarlett, Alfred S.	Senior	Watertown, Conn.
Kane, Paul D.	Senior	Worcester, Mass.
Kehoe, John T.	Senior	Shrewsbury, Mass.
Kelley, Ferdinand T.	Senior	Jamaica Plain, Mass.
Kelly, Frank J.	Senior	Concord, N. H.
Kelly, George M.	Senior	Wheeling, W. Va.
Kokiernak, Edward F.	Senior	Worcester, Mass.
Koreman, Harold E.	Senior	Albany, N. Y.
Lavin, William P.	Senior	Worcester, Mass.
Lawrence, William F.	Senior	Flushing, N. Y.
Lepore, Arnold J.	Senior	Worcester, Mass.
Loughran, Kevin G.	Senior	Lowell, Mass.
Luciano, Ecio L.	Senior	Somerville, Mass.
Lucey, D. Eugene	Senior	Worcester, Mass.
Massey, Paul A.	Senior	New Haven, Conn.
Molloy, Christopher J.	Senior	Providence, R. I.
Monkevicz, Hipolit, Jr.	Senior	Brockton, Mass.
Mullan, Richard E.	Senior	Worcester, Mass.
Murphy, John J.	Senior	Worcester, Mass.

McCarthy, John J.	Senior	Newton, Mass.
McGratty, Charles D.	Senior	Brooklyn, N. Y.
McGuane, George J.	Senior	Lowell, Mass.
McInerny, John E., Jr.	Senior	Worcester, Mass.
McIntyre, Joseph P.	Senior	Worcester, Mass.
McKenna, William L.	Senior	Pittsfield, Mass.
Nosek, Stanley E.	Senior	Clinton, Mass.
O'Donnell, John B.	Senior	Providence, R. I.
Ouimet, Charles H.	Senior	Foxboro, Mass.
Quine, Joseph P.	Senior	Akron, O.
Reardon, Frederick J.	Senior	Holyoke, Mass.
Richard, Henry I.	Senior	Nashua, N. H.
Richard, Louis A.	Senior	Nashua, N. H.
Riordan, Dan R.	Senior	Worcester, Mass.
Rittershaus, William E.	Senior	Malden, Mass.
Rock, William F.	Senior	Nashua, N. H.
Ryan, William J.	Senior	Brighton, Mass.
Sabagh, Mitchell J.	Senior	New London, Conn.
Sawicki, George A.	Senior	Worcester, Mass.
Sharon, Paul B.	Senior	Worcester, Mass.
Shaw, Chester M.	Senior	Millbury, Mass.
Sheehan, John F.	Senior	W. Stoughton, Mass.
Sheehan, John V.	Senior	Worcester, Mass.
Sloan, Paul W.	Senior	Worcester, Mass.
Smith, Joseph A.	Senior	Moosup, Conn.
Snell, William J.	Senior	Lynn, Mass.
Sullivan, Alexander J.	Senior	Worcester, Mass.
Sullivan, James E.	Senior	Leominster, Mass.
Sullivan, Michael C.	Senior	New London, Conn.
Sullivan, William P.	Senior	Worcester, Mass.
Walsh, Paul T.	Senior	Boston, Mass.
Wiley, Harold H.	Senior	Leominster, Mass.
Yablonski, Joseph	Senior	Jefferson, Mass.

SCIENCE COURSE

Abbene, Michael M.	Junior	Brooklyn, N. Y.
Aspe, Joseph S.	Freshman	Mexico City, Mex.

Bacso, George J., Jr.	Sophomore	Trenton, N. J.
Barry, David R.	Junior	Lynn, Mass.
Beakey, John F.	Freshman	Hartford, Conn.
Beaudet, Louis G.	Junior	Woonsocket, R. I.
Bishop, Richard B.	Junior	Baltimore, Md.
Borci, Boniface E.	Junior	Worcester, Mass.
Bourgault, Samuel P.	Freshman	Cherry Valley, Mass.
Bourke, Roland J.	Sophomore	Worcester, Mass.
Boyle, Jeremiah J., Jr.	Freshman	Cambridge, Mass.
Bric, John M.	Freshman	Newport, R. I.
Brislan, William J.	Freshman	Frankfort, Ky.
Buck, Robert L.	Junior	Plattsburg, N. Y.
Burke, Edward N.	Junior	Wakefield, Mass.
Byrne, John M.	Freshman	Syracuse, N. Y.
*Caldbeck, Francis G.	Junior	St. Johnsbury, Vt.
Caracciolo, Pasquale R.	Senior	Hartford, Conn.
Carpentier, Joseph H.	Freshman	Fitchburg, Mass.
Carvalho, John C.	Freshman	Fall River, Mass.
Casey, James J.	Sophomore	Sutton, Mass.
Chaffers, Gerald J.	Freshman	Lewiston, Me.
Charters, Robert E.	Junior	Montclair, N. J.
Cheetham, Andrew P.	Junior	New Bedford, Mass.
Chouinard, Albert E.	Junior	Worcester, Mass.
Christou, Christo S.	Sophomore	Roslindale, Mass.
Christou, George S.	Sophomore	Roslindale, Mass.
Clancy, John P.	Freshman	Unionville, Conn.
Clark, Leo C., Jr.	Freshman	Pawtucket, R. I.
Cleary, John McA.	Freshman	Newport, R. I.
Collins, John A., Jr.	Freshman	Canton, Mass.
Collins, John M.	Freshman	Bridgeport, Conn.
Connor, John F.	Freshman	Oxford, Mass.
Conway, William H., Jr.	Freshman	Olyphant, Pa.
Cronin, Marcus J.	Sophomore	Albany, N. Y.
Daley, Francis D.	Sophomore	Charlton City, Mass.
Davis, Walter B.	Senior	Providence, R. I.
DeBaggis, Henry F.	Senior	Franklin, Mass.
Della Luna, Peter F.	Freshman	Westfield, Mass.
DeLuca, Paul M.	Sophomore	Troy, N. Y.
DePietro, Vincent P.	Senior	Union City, N. J.
Devlin, John F.	Freshman	Berkeley, R. I.

*Died: March 31, 1937

DiGalogero, Patrick M.	Sophomore	Fitchburg, Mass.
Drum, Henry W.	Sophomore	Mattituck, N. Y.
Dunn, William J.	Freshman	Worcester, Mass.
Dunphy, Henry A.	Junior	Palmer, Mass.
Earley, John C.	Sophomore	Framingham, Mass.
Eberly, John H.	Senior	Gardner, Mass.
Fallon, Louis F.	Sophomore	Augusta, Me.
Farris, Alfred J.	Freshman	Danbury, Conn.
Flaherty, Morgan V.	Freshman	W. Hartford, Conn.
Flynn, William J., Jr.	Sophomore	Tiverton, R. I.
Foley, Francis J., Jr.	Freshman	Fitchburg, Mass.
Gatti, Aldo W.	Freshman	Worcester, Mass.
Gaughn, Joseph F., Jr.	Freshman	Warren, Pa.
Goodrich, Julian R.	Freshman	Montpelier, Vt.
Gorman, James J., Jr.	Sophomore	Bridgewater, Mass.
Greeney, Edgar F.	Sophomore	Cherry Valley, Mass.
Haddad, Eli A.	Freshman	Worcester, Mass.
Halpin, Joseph D.	Senior	Worcester, Mass.
Harrington, Daniel F.	Sophomore	Tiverton, R. I.
Harrington, Joseph D.	Junior	Worcester, Mass.
Harrop, Joseph K.	Senior	W. Warwick, R. I.
Hart, Joseph C.	Senior	Poughkeepsie, N. Y.
Henry, Walter J.	Senior	Hoboken, N. J.
Herman, Charles O.	Freshman	Port Jervis, N. Y.
Hildebrandt, Richard G.	Freshman	Brooklyn, N. Y.
Horan, James F.	Sophomore	Whitinsville, Mass.
Janes, Harold E.	Junior	Haverhill, Mass.
Keating, Daniel R.	Junior	Milwaukee, Wis.
Kidd, Rexford S.	Senior	Melrose, Mass.
Lagerstedt, Albert R.	Freshman	Brockton, Mass.
Lavoie, Robert J.	Senior	Worcester, Mass.
Leonessa, Michael	Freshman	Brooklyn, N. Y.
Loizzo, M. Jerome	Sophomore	Brooklyn, N. Y.
Lucy, John M.	Sophomore	Athens, Pa.
Lynch, Charles H.	Senior	Syracuse, N. Y.
Lynch, George D., Jr.	Freshman	Syracuse, N. Y.
Lynch, George M.	Freshman	Brighton, Mass.
Lyons, Thomas E., Jr.	Freshman	Thompsonville, Conn.

Maaz, Francis M.	Sophomore	Nashua, N. H.
MacDonald, James A.	Junior	Cambridge, Mass.
MacGillivray, William F.	Freshman	Worcester, Mass.
Mackowski, Albert R.	Freshman	Ansonia, Conn.
Maloney, James H., Jr.	Freshman	Quincy, Mass.
Maloney, Leonard J., Jr.	Freshman	New Haven, Conn.
Mann, Henry S.	Freshman	Worcester, Mass.
Massad, Edmond A.	Sophomore	Worcester, Mass.
Membrino, Ralph J.	Sophomore	Waterbury, Conn.
Minkel, Herbert P.	Sophomore	Dorchester, Mass.
Mocca, Nicholas	Freshman	Worcester, Mass.
Mogenhan, John A., Jr.	Freshman	Rochester, N. Y.
Mogilnicki, Henry A.	Junior	New Bedford, Mass.
Morasco, Francesco M.	Sophomore	Grafton, W. Va.
Morris, James J.	Junior	Brooklyn, N. Y.
Murray, John E.	Senior	Worcester, Mass.
Murray, Michael J.	Sophomore	Bloomfield, N. J.
Myles, John R.	Freshman	Cambridge, Mass.
McOwen, William R.	Junior	Shrewsbury, Mass.
McSheehy, Justin A.	Senior	Whitinsville, Mass.
McTague, Robert F.	Sophomore	Worcester, Mass.
Neller, John W.	Freshman	Middletown, N. Y.
Neller, Walter I.	Freshman	Middletown, N. Y.
Newman, John E.	Junior	Orange, N. J.
Nigro, Edward H.	Freshman	Worcester, Mass.
O'Connor, William R.	Freshman	Augusta, Me.
O'Grady, Joseph A.	Senior	Beacon, N. Y.
Olchowski, Edward F.	Sophomore	Turners Falls, Mass.
O'Neil, Vincent D.	Senior	Concord, N. H.
O'Neil, Walter B.	Freshman	Westboro, Mass.
O'Neill, Thomas E.	Junior	Nashua, N. H.
Paraskis, Charles S.	Sophomore	Brockton, Mass.
Perroni, Rosario C.	Junior	Bristol, R. I.
Porrata, Frank C.	Freshman	Ponce, P. R.
Porrata, Joseph L.	Freshman	Ponce, P. R.
Redmond, Arthur J.	Junior	Batavia, N. Y.
Reilly, John T.	Senior	Morristown, N. J.
Roos, William P.	Junior	Pottsville, Pa.
Rowe, William M.	Freshman	Lynn, Mass.
Ryan, Charles F.	Freshman	Vergennes, Vt.

Saart, Albert F.	Freshman	No. Attleboro, Mass.
Sarge, Theodore W.	Freshman	Hartford, Conn.
Scavullo, Joseph J.	Freshman	Brooklyn, N. Y.
Scricco, Michael W.	Senior	Worcester, Mass.
Sewell, Frank J.	Freshman	Schenectady, N. Y.
Shannon, Edward P.	Senior	Brooklyn, N. Y.
Sheehan, William F.	Junior	Elmira, N. Y.
Simpson, Ellsworth H.	Senior	Bristol, Conn.
Smith, Robert M.	Junior	W. Warwick, R. I.
Spinelli, Ralph M.	Freshman	New Haven, Conn.
Sullivan, John J.	Freshman	Millville, Mass.
Sunderhaft, Robert E.	Freshman	Lowville, N. Y.
Sweeney, W. Neville	Sophomore	Winsted, Conn.
Tassinari, Ugo J.	Junior	Sagamore, Mass.
Thomas, Abdelnour S.	Senior	Boston, Mass.
Thomas, Anthony S., Jr.	Freshman	Bristol, R. I.
Tomasi, Ernest P.	Junior	Montpelier, Vt.
Twining, Raymond J.	Freshman	Fitchburg, Mass.
Walsh, Thomas E.	Junior	Brooklyn, N. Y.
Weldon, Thomas F., Jr.	Sophomore	Fort Moultrie, S. C.
Wise, Raymond J.	Freshman	Milwaukee, Wis.
Woodin, Harry W., Jr.	Freshman	Millers Falls, Mass.

INDEX

- Act of Incorporation, 17, 18
Administrative Officers, 10
Admission to the College, 43-62
 Advanced Standing, 60
 Freshman Class, 43
 Graduate Students, 119
 Selection of Candidates for, 43
Affiliations, 19
Athletics, 26
Attendance at College Exercises, 35
Astronomy, Entrance Requirements in, 59
Awards, June 1937, 142-144
- Bachelor of Arts, see Degrees
Bachelor of Science, see Degrees
Bills, College, Payment of, 125-126
 Deferred Payment of, 126
Biology, Courses in, 77-79
 Entrance Requirements in, 59
Board, Student, 124
Buildings, 21-26
- Calendar, 7-9
Certificate, Admission by, 59
Chapel, 25, 35
Chemistry, Undergraduate Courses in, 80-81
 Graduate Courses in, 120-121
 Entrance Requirements in, 58
Civil Government, Entrance Requirements in, 57
Class Hours, 32
College, History, 20-21
College Entrance Examination Board, 60
College Bookstore, 40
College Year, 32
Commencement Program, 1937, 133
Correspondence, Concerning Admissions, 43
Counsellors, Student, 149
Courses of Instruction, 77-118
Credit Hours, 38-39
Credits, Transcript of, 39
Curriculum, see Courses of Instruction
- Degrees
 Bachelor of Arts with Honors, 39, 40, 43, 63, 64, 67
 Bachelor of Arts without Honors, 39, 43, 64, 69
 Bachelor of Arts Pre-Medical, 70
 Bachelor of Science in Biology, 39, 44, 64, 65, 71
 Bachelor of Science in Chemistry, 39, 44, 64, 65, 72
 Bachelor of Science in Economics, 39, 44, 65, 74
 Bachelor of Science in Education, 39, 44, 65, 75
 Bachelor of Science in History, 39, 44, 65, 76
 Bachelor of Science in Physics, 39, 44, 64, 65, 73
 Master of Science in Chemistry, 119, 120, 121
 Thesis Requirement
 For Bachelor's Degree, 65
 For Master's Degree, 121
Degrees Conferred in 1937, 134-141
Degrees with Distinction, 66
Deposits for Breakage, 124
Deposits for Rooms, 62
Directory of Students, 152-183
Discipline, 36
Dormitory Accommodations, 21-23, 37
Drawing, Mechanical, Courses in, 103
Economics, Courses in, 107-111
Education, System of, 27-31
 Courses in, 111-115
English, Courses in, 82-88
 Entrance Requirements in, 45-46
Entrance Requirements, see Admission
Ethics, see Philosophy
Examinations:
 Admission by, 59-60
 Entrance Examinations, Schedule of, 61, 62
 Retake, 40, 41, 42, 123
 Semester, 40, 41
Expenses, see Fees
- Faculty, 1936-1937, 11-16
Failures:
 Semester, 42
 Examination, 42
Fees, College, 122-125
 Board and Room, 124
 Elective Courses, 124
 Extra Courses, 37, 122, 123
 Entrance Examinations, 62
 Graduation, 123
 Laboratory, 123-124

- Late Registration, 35, 123
 Matriculation, 62
 Payment of, 125-126
 Retake Examinations, 41, 123
 Transcript of Credits, 39
 Tuition, 122
 Vacation Accommodation, 37
 Fellowships, 121
 French, Courses in, 105-106
 Entrance Requirements in, 47-48
 German, Courses in, 90-91
 Entrance Requirements in, 48-49
 Grading, System of, 39
 Graduation Fee, 123
 Greek, Courses in, 88-90
 Entrance Requirements in, 54-56
 History, Courses in, 91-93
 Entrance Requirements in, 56-58
 Holidays, 32
 Residence charge during, 37
 Honors, 142
 Hospital Care, 33
 Infirmary, 33
 Instruction, see Courses
 Italian, Courses in, 104-105
 Jesuit Educational Association, 151
 Jurisprudence, Course in, 115
 Laboratories, 22-23
 Latin, Courses in, 93-95
 Entrance Requirements in, 52-54
 Library, 23-25.
 Logic, see Philosophy
 Mathematics, Courses in, 95-97
 Entrance Requirements in, 51-52
 Master of Science, 119
 Mechanical Drawing, see Drawing
 Mechanics, see Physics
 Medical Care, 33
 Medical Certificate, 33
 Mid-term Registration, 35
 Modern Languages, see English; French;
 German; Italian; Spanish
 Moral Training, 30-31
 Museums, see Library
 Natural Theology, see Philosophy
 Officers of the College, 10
 Organizations, College, 145-149
 Payment of College Bills, 125
 Deferred Payment of, 126
 Philosophy, Courses in, 97-101
 Physical Training, 33-34
 Physics, Courses in, 101-104
 Entrance Requirements in, 58
 Physiography, Entrance Requirements in,
 59
 Political Economy, see Economics
 Psychology, see Philosophy
 Psychology, Educational, see Education
 Publications, College, 150
 Public Speaking, see English
 Registration, 34-35
 Fees for lateness or change, 35, 123
 Regulations, General, 33-42
 Religion, Courses in, 116-118
 Reports of Attendance and Standing, 40
 Requirements for Degrees, see Degrees
 Requirements for Entrance, see Admission
 Rooms, see Dormitory Accommodations
 Scholarships, 127-132
 Scholastic Regulations, 40-42
 Semester Examinations, 40-41
 Sociology, Course in, 116
 Spanish, Courses in, 107
 Entrance Requirements in, 49-50
 Students, Directory of, 152-183
 Teaching, Method of, 30
 Thesis Requirement:
 For Bachelor's Degree, 65
 For Master's Degree, 121
 Tuition, See Fees
 Vacations, 32
 Residence Charge during, 37
 Withdrawals from College, 39, 42
 Voluntary, 39
 For Scholastic Standing, 42