1940-1941 Xavier University College of Liberal Arts Course Catalog

Xavier University, Cincinnati, OH

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XAVIER UNIVERSITY

BULLETIN

Vol. XXV  MAY, 1941  No. 2

THE COLLEGE OF
LIBERAL ARTS

CATALOGUE 1940-1941

ANNOUNCEMENTS FOR 1941-1942

PUBLISHED IN FEBRUARY, MAY, AND AUGUST
XAVIER UNIVERSITY, CINCINNATI, OHIO
Calendar for 1941-1942

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Calendar, 1941-42

First Semester

SEPT. 8 . . . . General Assembly for Freshmen, 9:00 A.M.
SEPT. 9 . . . . Freshman classes begin
SEPT. 12 . . . . Registration for local Upper-Classmen, 9:00 A.M.
SEPT. 15 . . . . Registration for out-of-town Upper-Classmen, 9:00 A.M.
SEPT. 16 . . . . Instruction begins, 8:30 A.M.
SEPT. 26. . . . Reorganization of societies and study clubs
SEPT. 30. . . . Final date for late registration
OCT. 20 . . . . Subjects for Seniors' theses approved
NOV. 11 . . . . Requiem Mass for deceased benefactors, professors, alumni, 8:30 A.M., St. Xavier Church.
NOV. 12 . . . . Mid-semester grades due
NOV. 20 . . . . Thanksgiving Day—holiday
NOV. 21 . . . . President's Day—holiday
DEC. 5 . . . . Reception into the Sodality
DEC. 8 . . . . Feast of the Immaculate Conception—holiday
DEC. 19. . . . Christmas recess begins after the last class
JAN. 5 . . . . Classes resume, 8:30 A.M.
JAN. 16 . . . . Oratorical preliminaries
JAN. 19 . . . . Semester examinations begin

Second Semester

JAN. 26-28 . . Annual retreat
JAN. 29 . . . . Registration for Sophomores and Freshmen, 9:30 A.M.
JAN. 30 . . . . Registration for Seniors and Juniors, 9:00 A.M.
FEB. 2 . . . . . Instruction begins, 8:30 A.M.
FEB. 20 . . . . Washington Oratorical contest
FEB. 23 . . . . Washington's Birthday—holiday
FEB. 27 . . . . Verkamp Debate preliminaries
MAR. 8 . . . . . Theses due
MAR. 27 . . . . Verkamp Debate
MAR. 30 . . . . Mid-semester grades due
APR. 1 . . . . . Easter recess begins after the last class
APR. 7 . . . . . Classes resume, 8:30 A.M.
APR. 17 . . . . Masque Society production
MAY 14 . . . . Ascension Thursday—holiday
MAY 25 . . . . Semester examinations begin
MAY 31 . . . . Baccalaureate Exercises
JUNE 8 . . . . Commencement
Officers of Administration

Board of Trustees
CELESTIN J. STEINER, S.J., President
JAMES F. MAGUIRE, S.J., Vice-President
EDWIN J. VOLLMAYER, S.J., Chancellor
JOHN J. BENSON, S.J., Secretary
ALOYSIUS A. BREEN, S.J., Treasurer
JULIAN A. GARRITY, S.J.
RAYMOND B. WALSH, S.J.

Executive Officers
CELESTIN J. STEINER, S.J., President of the University
JOHN J. BENSON, S.J., Dean, College of Liberal Arts
JOHN C. MALLOY, S.J., Associate Dean, Evening Division.
ALLAN P. FARRELL, S.J., Associate Dean, Milford Division
LAURENCE J. LYNCH, S.J., Assistant Dean, College of Liberal Arts
OWEN J. ENGLUM, S.J., Dean of Men
EDWARD J. BRACKEN, S.J., Chairman, Board of Athletic Control; Director of Elet Hall
DANIEL J. BRODERICK, S.J., Chaplain; Director of Library
EDWIN J. VOLLMAYER, S.J., Superintendent of Grounds and Buildings
CLINTON S. BERRIEN, Major, F.A., Director, R.O.T.C.
RAYMOND J. FELLINGER, A.B., Registrar
ALBERT J. WORST, A.B., B.S., Librarian
MRS. CATHERINE A. MCGRATH, Bursar
CLEM F. CROWE, B.S., Director of Athletics
EDWARD P. VONDER HAAR, A.B., Director of Public Relations; Alumni Secretary
E. J. BAHHITT, M.A., LL.B., LL.D., Legal Adviser
WESLEY L. FURSTE, M.D., Physician
EDWARD J. MCGRATH, M.D., Physician
GEORGE TOPMOELLER, M.D., Physician
WILLIAM J. TOPMOELLER, M.D., Physician

Faculty Committees

The President of the University is ex-officio a member of each committee.


ADMISSIONS. John J. Benson, S.J., Chairman; Raymond J. Fellinger, Laurence J. Lynch, S.J., John C. Malloy, S.J.


PUBLIC RELATIONS. Edward P. Vonder Haar, Chairman; Raymond J. Fellinger, Laurence J. Lynch, S.J., John C. Malloy, S.J., John V. Usher, S.J.

RELIGIOUS WELFARE. Daniel J. Broderick, S.J., Chairman; Robert C. Hartnett, S.J., John I. Malone, S.J.

SCHOLARSHIPS. John J. Benson, S.J., Chairman; Aloysius A. Breen, S.J., Laurence J. Lynch, S.J.


Officers of Instruction*
CELESTIN J. STEINER, S.J., A.M. Hinkle Hall
President of the University, 1940.
A.B., St. Louis University, 1923; A.M., 1925.

*The year after the academic rank and official position indicates the date of the original appointment.
FLORENCE C. ALBERS, M.S.C., A.M. 2522 N. Ingleside Avenue
Dean of Women; Instructor in Secretarial Practice, 1934.
B.S.C., Xavier University, 1921; M.S.C., 1922; A.B., 1927;
A.M., University of Cincinnati, 1934.

PAUL L. ALLEN, S.J., A.M. Milford, Ohio
Instructor in English, 1940.
A.B., St. Louis University, 1931; A.M., 1932.

RAYMOND G. ALLEN, S.J., M.S. Hinkle Hall
Instructor in Mathematics, 1940.
A.B., Loyola University, Chicago, 1937; M.S., St. Louis Uni­
versity, 1940.

CLINTON S. BERRIEN, MAJOR, F.A., U.S.A. 58 Shaw Lane,
Ft. Thomas, Ky.
Professor of Military Science and Tactics; Director, Depart­
ment of Military Science and Tactics, 1940.

JOHN J. BENSON, S.J., A.M. Hinkle Hall
Dean of the College of Liberal Arts, 1938.
A.B., St. Louis University, 1921; A.M., 1922.

MURTHA J. BOYLAN, S.J., A.M., PH.D. Hinkle Hall
Professor of Philosophy; Director, Department of Philosophy
and Psychology, 1928.
A.B., Campion College, 1900; A.M., 1903; Ph.D., Ignatius
College, Valkenburg, Holland, 1910.

EDWARD J. BRACKEN, S.J., A.M. Elet Hall
Director of Elet Hall; Chairman, Board of Athletic Control, 1938.
A.B., St. Louis University, 1910; A.M., 1911.

Student Counsellor; Instructor in Religion and Christian Culture,
1940.
A.B., St. Louis University, 1933; S.T.L., St. Mary’s College, 1939.

CARL L. BUMILLER, COM.E., LL.B. 1443 Herschel Avenue
Instructor in Accounting, 1933.
Com.E., University of Cincinnati, 1928; LL.B., 1932.

JOHN P. BURKE, S.J., A.B. Milford, Ohio
Assistant Professor of English, 1940.
A.B., Loyola University, Chicago, 1914.

EDWARD J. CALHOUN, S.J., A.M., PH.D. Hinkle Hall
Professor of Religion; Assistant Librarian, 1936.
A.B., St. Louis University, 1900; A.M., 1903; Ph.D., Fordham
University, 1911.

JOSEPH T. CARNEY, LL.B. 1609 Rose Place
Instructor in Business Law, 1921.
LL.B., McDonald Educational Institute, 1914.

PAUL W. Cavanaugh, S.J., A.M. Milford, Ohio
Instructor in Classical Languages, 1936.
A.B., St. Louis University, 1926; A.M., 1928.

ROBERT F. CisSELL, FIRST LIEUTENANT, B.S., F.A., R.C.U.S.A. Harrison
Instructor in Military Science and Tactics, 1941.
Club
B.S.E.E., Purdue University, 1936.

PHILIP McMAHON COOGAN, S.J., LITT.B. Hinkle Hall
Instructor in Chemistry, 1940.
Litt.B., Xavier University, 1929.

CLEM F. CROWE, B.S. 7200 Hamilton Avenue, Mt. Healthy
Director of Athletics; Assistant Director of Campus Activities,
1932.
B.S., University of Notre Dame, 1926.

GREGORY J. DERSCHUG, S.J., A.M. Milford, Ohio
Professor of Classical Languages, 1925.
A.B., St. Louis University, 1909; A.M., 1910.

JOHN F. DEUPREE, A.M., PH.D. 1025 Dana Avenue
Assistant Professor of Chemistry, 1936.
A.B., Indiana University, 1932; A.M., 1933; Ph.D., 1936.

RICHARD L. DOOLEY, SECOND LIEUTENANT, PH.B., F.A., R.C.U.S.A.
1402 Myrtle Avenue
Instructor in Military Science and Tactics, 1940.
Ph.B., Xavier University, 1939.

OWEN J. ENGLUM, S.J., A.M. Elet Hall
Dean of Men; Instructor in History, 1938.
A.B., St. Louis University, 1928; A.M., 1937.
ALLEN P. FARRELL, A.M., S.T.L., PH.D. Milford, Ohio
Associate Dean, Milford Division; Professor of Education; Director, Department of Education, 1940.
A.B., St. Louis University, 1921; A.M., 1923; S.T.L., Regional Seminary of Campana, Italy, 1930; Ph.D., National University of Ireland, 1933.

LOUIS A. FELDHAUS, A.M. 2705 Euclid Avenue
Instructor in English, 1934.
A.B., Xavier University, 1932; A.M., University of Cincinnati, 1937.

RAYMOND J. FELLINGER, A.B. 1714 Cleveland Avenue, Norwood, Ohio
Registrar, 1928; Instructor in Greek, 1938.
A.B., Xavier University, 1928.

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Instructor in Accounting, 1937.
B.S.C., Xavier University, 1925; LL.B., 1933.

THOMAS F. GARTLAND, B.S. 24 Silver Avenue, Ft. Mitchell, Ky.
Laboratory Assistant in Chemistry, 1935.
B.S., Xavier University, 1935.

JAMES P. GLENN, A.B. Dixie Highway, Florence, Ky.
Instructor in English and Speech, 1935.
A.B., Xavier University, 1926.

HOWARD S. GORDMAN, A.B., A.M. 1825 Clarion Avenue
Instructor in Economics, 1940.
A.B., Yale College, 1934; A.M., Yale University, 1936.

RAYMOND J. GRAY, S.J., A.M., PH.D. Elet Hall
Associate Professor of History; Director, Department of History and Political Science, 1935.
A.B., St. Louis University, 1922; A.M., 1925; Ph.D., Yale University, 1937.

JOHN H. GROLLIG, S.J., A.M. Hinkle Hall
Assistant Professor of German, 1934.
A.B., Xavier University, 1895; A.M., St. Louis University, 1903.

NATHANIEL GROSSMAN, B.S. 2653 Bellevue Avenue
Instructor in Aerodynamics and Navigation, 1940.
B.S. in A.E.E., University of Detroit, 1939.

ARNOLD P. HALLBACH, B.S.C. . . . .537 Maple Avenue, Newport, Ky.
Instructor in Accounting, 1940.
B.S.C., Xavier University, 1936.

JOHN BRADFORD HAMBRICK, M.B.A. 436 East Fifth Street
Instructor in Accounting, 1939.
A.B., Georgetown College, 1921; M.B.A., Harvard University, 1923.

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Instructor in Sociology, 1937.
A.B., University of Cincinnati, 1926; M.D., Harvard University, 1930.

Assistant Professor of Religion and Sociology; Acting Director, Department of Religion.
A.B., Loyola University, Chicago, 1927; A.M., St. Louis University, 1931; Ph.L., 1932; S.T.L., Heythrop College, Oxford, England, 1939.

FRANCIS T. HECCHT, S.J., A.B. Hinkle Hall
Instructor in English, 1940.
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LAURENCE E. HENDERSON, S.J., A.M., S.T.L. Elet Hall
Instructor in Classical Languages, 1940.
A.B., Xavier University, 1931; A.M., St. Louis University, 1936; S.T.L., Universita Gregoriana, Rome, Italy, 1939.

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A.B., St. Louis University, 1924; A.M., 1925; Ph.D., 1937.

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Instructor in Accounting, 1920.
B.S.C., Xavier University, 1917; Certified Public Accountant, State of Ohio, 1921.

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Instructor in Business Law, 1935.
A.B., Xavier University, 1925; LL.B., Harvard University, 1928.
DANIEL D. MCGARRY, A.M., PH.D. ................................. Friars Club
Instructor in Spanish, 1940.
A.B., Immaculate Heart College, 1932; A.M., University of
California, 1938; Ph.D., 1940.

OSCAR J. LAPLANTE, S.J., A.M. ................................. Hinkle Hall
Assistant Professor of Philosophy, 1937.
A.B., Gonzaga University, 1923; A.M., 1924.

LAURENCE J. LYNCH, S.J., A.M. ................................. Hinkle Hall
Assistant Dean, College of Liberal Arts; Dean of Freshmen, 1938.
A.B., St. Louis University, 1923; A.M., 1924.

JOHN C. MALLOY, S.J., A.M. ................................. Hinkle Hall
Associate Dean; Director of Evening Division; Instructor in
Philosophy, 1931.
A.B., St. Louis University, 1923; A.M., 1924.

JOHN I. MALONE, S.J., A.M., M.S. ................................. Hinkle Hall
Instructor in Biology, 1939.
A.B., St. Louis University, 1927; A.M., 1931; M.S., University
of Detroit, 1939.

ROBERT E. MANNING, S.J., A.M. ................................. Hinkle Hall
Professor of Classical Languages, 1931.
A.B., Gonzaga University, 1922; A.M., 1923.

ALPHONSE HOMER MATTLIN, S.J., A.M. ................................. Hinkle Hall
Instructor in English and History, 1939.
A.B., Loyola University, 1936; A.M., 1939.

THOMAS A. MCCOURT, S.J., A.M. ................................. Hinkle Hall
Professor of French, 1936.
A.B., St. Louis University, 1902; A.M., 1904.

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Instructor in Salesmanship, 1940.
A.B., Xavier University, 1914.

DANIEL D. MCGARRY, A.M., PH.D. ................................. Friars Club
Instructor in Spanish, 1940.
A.B., Immaculate Heart College, 1932; A.M., University of
California, 1938; Ph.D., 1940.

*Deceased, December 5, 1940.

FREDERICK A. MEYER, S.J., A.M., PH.D. ................................. Hinkle Hall
Professor of Sociology; Director, Department of Sociology, 1938.
A.M., St. Louis University, 1914; Ph.D., Universita Gregoriana,
Rome, Italy, 1936.

LAWRENCE T. MEYER, S.J., A.M. ................................. Milford, Ohio
Instructor in Classical Languages, 1936.
A.B., St. Louis University, 1908; A.M., 1914.

FREDERICK N. MILLER, S.J., A.B. ................................. Hinkle Hall
Professor of Chemistry; Director, Department of Chemistry,
1933.
A.B., St. Louis University, 1917.

PAUL MUSHLIMANN, S.J., A.M. ................................. Hinkle Hall
Professor of Mathematics, 1939.
A.B., St. Louis University, 1907; A.M., 1908.

JAMES E. O'CONNELL, A.B., LL.B., LL.M. ................................. 4422 Schulte Drive
Instructor in Political Science and History, 1922.
A.B., Xavier University, 1914; LL.B., University of Cincinnati,
1918; LL.M., 1933.

JOSEPH A. OGLE, SECOND LIEUTENANT, B.S., F.A., R.C.U.S.A. ................................. 2590 Madison Road
Instructor in Military Science and Tactics, 1940.
B.S.M.E., Purdue University, 1939.

JOHN R. O'LEARY, A.B., LL.B. ................................. 3635 Tamarack Avenue
Instructor in Drawing, 1939.
A.B., Xavier University, 1927; LL.B., 1932.

JOSEPH L. OSBERGER, A.B., CAND. PH.D. ................................. 5635 Bramble Avenue
Instructor in Economics, 1939.
A.B., Ohio State University, 1935; Cand. Ph.D.

ROBERT L. OTTO, A.B. ................................. 4425 Hamilton Avenue
Instructor in Journalism, 1935.
A.B., Xavier University, 1930.

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Professor of Biology; Acting Director, Department of Biology,
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A.B., St. Louis University, 1924; A.M., 1925; Ph.D., University
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JOHN J. RATH, M.B.A. 
Instructor in Economics, 1940. 
B.S., University of Detroit, 1938; M.B.A., University of New York, 1939.

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Instructor in Advertising, 1937. 
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Associate Professor of German, 1940. 
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VICTOR C. STECHSCHULTE, S.J., A.M., M.S., PH.D. 
Hinkle Hall 
Professor of Physics; Director, Department of Mathematics and Physics; Director of Seismological Observatory, 1932. 
A.B., St. Louis University, 1918; M.S., 1919; A.M., 1920; Ph.D., University of California, 1932.

PAUL J. SWEENEY, S.J., A.M. 
Hinkle Hall 
Professor of English, 1929. 
A.B., Xavier University, 1912; A.M., St. Louis University, 1917.

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Instructor in Economics, 1939. 
J.D., University of Paris, 1934; Ph.D., Yale University, 1937.

JOHN V. USHER, S.J., A.M. 
Hinkle Hall 
Assistant Professor of Spanish, 1931. 
A.B., Xavier University, 1897; A.M., St. Louis University, 1911.

JOSEPH A. WALSH, S.J., A.M. (CANTAB) 
Milford, Ohio 
Professor of Classical Languages, 1929. 
A.B., St. Louis University, 1917; A.M., Gonzaga University, 1919; A.M., Cambridge University, England, 1931. 

*On leave of absence, 1940-1941.
General Information

Historical Sketch

The history of Xavier University begins on October 17, 1831, when the Right Reverend Edward D. Fenwick, O.P., D.D., the first bishop of Cincinnati, opened what was called “A Literary Institute” for the higher instruction of youth. This was a daring undertaking for the times, because the census of 1830 gave Cincinnati a population of less than 25,000, and of that number Catholics were a small and not a very influential minority.

The new institution bore the classic name, “The Athenaeum,” and in the prospectus issued we are told that the “college course will embrace the Greek and Latin authors—both historians and poets—which are usually read; the Hebrew, Spanish, French, and English languages; the various branches of mathematics; reading, writing, geography, and the use of the globes.” The carrying out of this fairly ambitious program was entrusted to the diocesan clergy from 1831 to the summer of 1840. Their efforts met with considerable success, but the growing needs of the diocese in other directions made it difficult to staff the college with members of the diocesan clergy, and the Right Reverend John B. Purcell, the successor of Bishop Fenwick, saw that the stability and progress of the institution would be better provided for by entrusting it to the care of a religious order.

Accordingly, he applied to the Provincial of the Society of Jesus in St. Louis and on receiving a favorable reply turned over to the Jesuits “forever, on condition that they should be held ever sacred for church and school, the college, seminary, church, with the real estate on which these buildings, which I now occupy, are located—that you may have there a college and parish church to be served by your Society, in perpetuity.”

The Jesuits took over the institution on October 1, 1840. The name was changed to St. Xavier College, though the building continued to be called “The Athenaeum” until it was removed fifty years later to make room for a new structure. The Reverend John Anthony Elet, S.J., was the first president of the reorganized college. A charter of a temporary kind was granted to the College in 1842 by the General Assembly of Ohio, and a perpetual charter in 1869.

Under the presidency of Father Elet and his immediate successors St. Xavier College made rapid progress. It was originally conducted as a boarding school and had a very considerable patronage in the states of the West and South. But the limited campus space in the growing city soon made it impossible to continue this feature of the College. The dormitories, therefore, were abolished after the summer of 1854 and accommodations for out-of-town students were not again provided until the erection of Elet Hall in 1924.

The years 1833 to 1865 were years of hard struggle for St. Xavier College. Many causes contributed to this, not the least of which were the cholera epidemic, the Know-Nothing movement, and the Civil War. But better times came for the College when the war was ended. Property had been secured in 1863 on the corner of Seventh and Sycamore streets, and on this site in 1867 was erected the faculty building, called the Hill Building, after the Reverend Walter Hill, S.J., the president of the College at that time. This additional accommodation served the needs of the institution for the next twenty years, but again the need of expansion was felt and in 1885 the Moeller Building on Seventh street to the rear of the Hill Building was erected by the Reverend Henry Moeller, S.J., president of the College from 1884 to 1887.

St. Xavier College celebrated its golden jubilee in 1890, fifty years from the time the Jesuits assumed control of the Athenaeum. The following year the classroom building facing on Sycamore street was built as well as the College Chapel and Memorial Hall. At the same time the old Athenaeum was torn down after having served for college purposes for sixty years. During subsequent years the College continued to develop. The year 1911 marked the beginning of the Evening Division. The Milford Division was established in 1925.

While the situation such as the College occupied in the very heart of the city had many advantages in the matter of accessibility, it had, also, the disadvantage of preventing the ready expansion of accommodations for buildings and campus. Accordingly, shortly after his installation as president, the Reverend Francis Heiermann, S.J., purchased the building and grounds of the Avondale Athletic Club. This property is situated on Victory Parkway, between Winding Way, Dana, and Herald avenues. The opening of the Fall Session of St. Xavier College in 1919 marked an epoch in the history of the institution. A complete separation of the college students from the high school students was established. The high school courses were concentrated at the old St. Xavier on Seventh and Sycamore streets. The college classes were moved to the new property in Avondale, and in September 1920, they were permanently located in their new building.

By an act of the State Department of Education, under date of August 4, 1930, St. Xavier College was advanced to university rating, under the name of Xavier University.

Buildings

*Alumni Science Hall,* erected in 1920, was the gift of the Alumni of St. Xavier College to commemorate the diamond jubilee of their
Walter expressed in the words of Pope Pius XI: "The
The Seton Schmidt Library Building is the central unit of the group of buildings of the University. Besides the necessary administrative offices and reception rooms, it provides accommodations for the Faculty with dining room, library, chapel, and recreation rooms.

The Walter Seton Schmidt Library Building was erected in 1926 between Hinkle Hall and Alumni Science Hall. It houses the University Library and contains the high vaulted Mary G. Lodge Reading Room, the Bellarmine Chapel, classrooms, and the seismograph station.

The Biology Building, dedicated in 1929, is the gift of an anonymous benefactor. In this building are the classrooms, laboratories, and offices of the departments of Biology, Military Science, and Physics, the administrative offices of the President, and the Director of Public Relations.

The Union House is the old Avondale Club. It is now used for the students’ cafeteria and recreation rooms.

Eleh Hall, erected in 1924, is the first unit of the students’ dormitories. It is a well-furnished student residence with accommodations for one hundred students in single and double rooms.

The Field House and Gymnasium was erected on the Campus in 1928. This building was made possible by a magnificent gift of Mr. Walter S. Schmidt, A.M. In addition to the large indoor stadium, it contains pistol ranges, handball courts, boxing ring, shower and locker rooms, and basketball court.

The Stadium, which seats 15,000 people, was built in 1928 by public spirited citizens. The drive for funds was under the direction of Hon. Myers Y. Cooper.

The Milford Novitiate Building, erected in 1925, on an hundred acre plot of ground in Milford, Ohio, contains the dormitories, dining hall, chapel, library, and classrooms for the young members of the Society of Jesus.

College of Liberal Arts

The College of Liberal Arts is the heart of the Jesuit system of education. The college holds this place because it is the unit of a university wherein the distinctive purposes of Jesuit education are more fully realized. The first two years of the Liberal Arts College are devoted to general education; the last two years to advanced and specialized study in fields of knowledge upon which the student wishes to concentrate.

Ultimate Objective. The College of Liberal Arts has the same primary purpose as the Catholic educational system taken in its entirety. This is best expressed in the words of Pope Pius XI: "The proper and immediate end of Christian education is to cooperate with divine grace in forming the true and perfect Christian, that is to form Christ Himself in those regenerated by Baptism... The true Christian, product of Christian education, is the supernatural man who thinks, judges and acts constantly and consistently in accordance with right reason illumined by the supernatural light of the example and teaching of Christ; in other words, to use the current term, the true and finished man of character."

Immediate Objectives. The College of Liberal Arts, in its teaching, aims at reaching the whole man, his intellect, his will, his emotions, his senses, his imagination, his aesthetic sensibilities, his memory, and his powers of expression. The educational program at Xavier, therefore, takes into consideration three types of training, the intellectual, the moral and religious, and the physical.

The intellectual training at Xavier is guided by principles set forth in the Ratio Studiorum, a body of principles and suggestions outlined and revised over the space of nearly three hundred and fifty years by the most prominent Jesuit educators. The Ratio postulates that studies, falling into certain groups, have distinct educational values, so that the specific training given by one group cannot be supplied by another. Mathematics, the natural sciences, languages, and history are complementary instruments of intellectual development and are considered basic for a general education. Mathematics and the natural sciences bring the student into contact with the material aspects of nature, and exercise the deductive and the inductive powers of reason. Language, history, and the social sciences effect a higher union. By their study and for their requirement the whole mind of man is brought into the widest and the subtlest play. With the introduction of the student to these subjects the general education is considered completed. The student may then terminate his formal education, or he may go on to advanced and specialized studies in any field for which his preparation and qualifications indicate that he has a special aptitude. The purpose of the advanced and specialized studies is not proximately to fit the student for some special employment or profession, but to give him such an intensive, vigorous, and rounded development as will enable him to cope successfully even with the unforeseen emergencies of life, as well as to prepare him for higher intellectual research which the complexity of modern life lays open to him. As a background for his higher studies the Ratio stresses mental and moral philosophy, not only for the influence such study has in mental development but for the power of discrimination which it gives the student. The emphasis is not upon a history of the philosophies but upon a study
of Neo-scholastic Philosophy wherein is to be found a logical, unified, complete system of mind-culture in accord with the laws of human thought.

The Ratio establishes as a fundamental principle that knowledge, though it energizes and refines the intellectual powers, does not of itself perfect the moral powers; that religion alone completely and perfectly purifies the heart and strengthens the will; that to be effective, religion must be taught so as to become a continuously vital force in education and the core-subject and integrating basis of all knowledge. In its moral and religious training Xavier aims at building the conscience of its students for the right fulfillment of their civil, social, and religious duties. To gain this objective Xavier provides: (a) required courses in religion for all Catholic students, and courses in morality and character development for non-Catholic students; (b) an annual retreat, held between the interval of the first and second semester during which time the Spiritual Exercises of St. Ignatius are given; (c) chapel exercises which consist in attendance at the Holy Sacrifice of the Mass, at least on Thursdays or Fridays, during which time moral and doctrinal sermons are given to impress on the minds of the students the practical aspects of Catholic living. Attendance at all religious exercises is of obligation for Catholics.

The health and physical training of the student is amply provided for by health examinations, well-planned athletic programs, both inter-collegiate and intra-mural, and by the R.O.T.C., which adds to the benefits of physical education in college life. The Campus is well-equipped for football, baseball, basketball, track, tennis, handball, and boxing.

Every student who is a citizen of the United States, under twenty-six years of age, and physically fit is obliged to take military science during the first two years of attendance. Upon successful completion of the basic courses the student may enroll for the advanced courses if his application is approved and accepted.

Evening Division

The purpose of the Evening Division is to aid adults of Greater Cincinnati in obtaining a more advanced education by means of courses of cultural and practical value. This division renders particular service to those who wish to carry college work toward a degree while working during the day; and to those who wish to pursue subjects which will better fit them for special services or vocations.

In addition to the liberal arts courses, technical and vocational courses are offered. All courses are open to men and women. Besides the individual course offerings, there are groupings and programs of courses leading to certificates, diplomas, and degrees.

The Evening Division is administered by an associate dean, and all classes are conducted in the “Downtown College,” 520 Sycamore Street. Information regarding the Evening Division will be found in Bulletin No. 4 of the University.

Milford Division

A division of the College of Liberal Arts is located at Milford, Ohio, about fifteen miles east of Cincinnati. It is the humanistic training school for the Jesuit Order who are assigned to the Chicago Province. The courses are open to Jesuits only. This division is administered by an associate dean. The names, title, and rank of the Faculty, and the register of the students are contained in this catalogue.

Accreditation

The University is accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting institution, and is approved by the Department of Education of the State of Ohio, by the Board of Regents of the University of the State of New York, and by the University of Illinois. It is affiliated with the College of Music of Cincinnati.

Memberships

To stimulate active interest in matters educational and to afford both Faculty and students the value of recent research, the University maintains membership in the following educational and learned organizations:

- The Jesuit Educational Association
- The National Catholic Educational Association
- The American Association of Collegiate Registrars
- The American Catholic Historical Society of Philadelphia
- The American Catholic Philosophical Association
- The American Historical Association
- The American Library Association
- The Association of American Colleges
- The Association of Ohio College Registrars
- The Catholic Library Association
- The Mississippi Valley Historical Association
- The National Conference of Church-Related Colleges
- The National Education Association
- The Ohio College Association
The United States Catholic Historical Society
The United States Field Artillery Association

The University is represented in many other associations and societies through the individual memberships of its faculty.

Libraries

The University Library is housed in the Walter Seton Schmidt Library Building on the Evanston Campus. It contains many interesting and valuable collections among which are the original manuscripts of Francis J. Finn, S.J.; a fourteenth century vellum manuscript of the sermons of St. John Chrysostom; a fifteenth century antiphonary; several incunabula; letters of Andrew Jackson, Martin Van Buren, and others; and a complete set of the Jesuit Relations. The total number of bound volumes is 42,500. The University has been a constant beneficiary of many friends whose contributions have aided considerably in increasing the number of volumes. During the past fourteen years the organization known as the Booklovers of Xavier University has been outstanding in its generous gifts and contributions.

With the exception of Sundays and holidays, the Library is open to the Faculty and the students from 8:30 a.m. to 5:00 p.m.

The Jesuit Faculty Library is a branch of the University Library and is housed in Hinkle Hall. Its three thousand volumes are limited to works of an ascetical and theological nature. The library-room is used at times as the meeting place of the Faculty for formal and informal discussions on religious and educational topics.

The St. Thomas Library, a branch of the University Library, is situated in Milford and is for the service of the Faculty and students of the Milford Division of the College of Liberal Arts. In keeping with the humanistic curriculum of this division a great part of the thirty thousand volumes is in the field of English and classical literature. Very noteworthy collections of ascetical and theological works are distributed in the buildings of the Milford Division.

Laboratories

The Biology Laboratories, located in the Biology Building, are standard for undergraduate students. There are facilities to accommodate one hundred and twenty-five students at one time. A large collection of museum specimens provides opportunity for a wide knowledge of living organisms. An animal room affords the advanced students an opportunity to conduct protracted experiments. Fine records of experimental investigations are made possible by complete photographic equipment.

The Physics Laboratories are on the second floor of the Biology Building. More than twenty-five hundred square feet are given over to two large and well-equipped laboratories for General Physics, and to a third, for advanced work in optics.

The Seismology Laboratory, used for research in seismology, is connected with the Physics Laboratories. For the purpose of advancing the science of seismology, Xavier University maintains a first class seismographic station and observatory in the network of the Jesuit Seismological Association. The vault containing the instruments is situated in the basement of the Library Building. On massive concrete pillars, structurally independent of the building itself, are four Wood-Anderson torsion seismographs which register the horizontal components of the earth's motion. A fifth instrument, a Galitzin-Wilip electromagnetic seismograph, galvanometrically registers the vertical motion of the earth. A special master-clock, corrected by the Arlington radio time signals, gives accurate time control on the seismograms.

The Chemistry Laboratories occupy more than eight thousand square feet of Alumni Science Hall. There are separate laboratories for physical, organic, analytical, and general inorganic chemistry. These laboratories have standard equipment to serve more than two hundred students at one time.

The Military Department is well supplied with apparatus for laboratory and field work in military science. It possesses two batteries of the celebrated French 75 mm. guns equipped for high speed traction. Transport facilities for these batteries consist of sixteen motor vehicles classed as prime movers, detail cars, supply trucks, and wire trucks. There are, too, the required complement of voice radio sets, motor reels, switchboards, field telephones, range finders, and aiming circles. Two pistol ranges, a motor room with motor parts for demonstration purposes, maps and aerial photographs, and other equipment make for a thorough knowledge of the science of field artillery.

Scholarships

At Xavier University a scholarship for one year is provided by the donation of $150.00. This amount will keep one student, who is a candidate for a bachelor's degree, free from tuition for one year. A permanent scholarship is provided by the gift of $5000.00. The amount of the scholarship, however, will always depend on the income from the investment. If the founder fails to name an incumbent, the scholarship will be conferred at the discretion of the Committee on Scholarships.
In addition to any other requirements peculiar to particular scholarships, the following conditions must govern the awarding or holding of any scholarship:

a. A scholarship applies to tuition only and does not excuse the designee or holder from payment of other fees.

b. Scholarships must be accepted for the year or years they are awarded. They may not be transferred by the holder and may not be resumed at will after having been relinquished.

Honor Scholarships

Xavier University has a limited number of honor scholarships which are awarded to graduates of high schools each year. The following regulations govern the awarding of all honor scholarships:

a. Application for a scholarship must be made by the principal of a high school before June 10, and must be accompanied by a recommendation and a transcript of the student’s high school record.

b. No more than one scholarship may be applied for by any high school.

c. The student must have ranked in the upper ten per cent of his class and must have had a general average of 85 per cent (B) or better during the last two years of high school.

d. The scholarship will be awarded for one year and will be renewable in favor of the holder for each successive semester of his four-year college period.

e. Holders of honor scholarships must maintain a quality-point ratio of at least 2.5 in their freshman year and 3.0 in the sophomore, junior, and senior year.

f. The award in all cases is made by and at the discretion of the Scholarship Committee of Xavier University.

Civil Pilot Training Program

Xavier University is one of the educational institutions participating in the Civil Aeronautics Authority Civil Pilot Training Program. Students enrolled in the program receive their ground school instruction at Xavier and their flight training under the direction of Tri-State Aviation Corporation, at the Cincinnati Airport, Inc.

Service Grants

A limited number of service grants are available at the present time. Such service grants as are financed through funds allotted to Xavier by the National Youth Administration will enable a student to earn from twenty-five to one hundred and fifty dollars during the school year. The award of N. Y. A. service grants is made according to the conditions defined by the federal government. Applications for these grants should be filed with the Registrar not later than August 15. The Committee on Scholarships will consider the applications of only those applicants who are financially unable to pay tuition. A student who fails to work the number of hours required to earn the amount allotted is obliged to pay the balance of the service grant on his tuition.

Prizes

The Archbishop McNicholas Medal. A gold medal is offered by the Most Reverend John T. McNicholas, O.P., D.D., to that member of the Senior Class who has excelled in the study of philosophy.

The Intercollegiate English Prize. A purse of $100 ($50 for the first prize, $20 for the second, $15 for the third, $10 for the fourth, and $5 for the fifth) is offered yearly by Mr. David F. Brenner of Chicago for excellence in English essay writing. The purse is open to the competition of the Jesuit Colleges and Universities of the Missouri and Chicago Provinces.

The Alumnae English Prize. A prize is offered by the Xavier University Alumnae Association to the student of the University winning the highest place in the Intercollegiate English Contest.

The German Prize. The Germanistic Society of Cincinnati has given an annual prize since 1929 to the best student in German.

The Intercollegiate Latin Prize. The Very Reverend Provincials of the Chicago and Missouri Provinces offer a prize of $25 annually for the best translation of classical English and classical Latin. The contest is open to male students of the Jesuit Colleges and Universities in the Chicago and Missouri Provinces.

The Martin G. Dumler Key. A key is offered by Mr. Martin G. Dumler, LL.D., to that member of the Junior Class who has excelled in the study of philosophy.

The Joseph B. Verkamp Medal. A gold medal is offered by Mr. Joseph B. Verkamp for award to the member of the Poland Philopedian Society who has delivered the best speech in the annual Public Debate of the Society.

The Ragland Latin Medal. A gold medal, founded in 1935, in memory of Alice D. Ragland, is awarded to the participant who ranks highest in the Intercollegiate Latin Contest.

The David Snyder Religion Medal. A gold medal, founded by Mr. and Mrs. John W. Snyder, Portsmouth, Ohio, in memory of their son, David William Snyder, '31, is awarded for the best catechetical essay.

The Alumni Oratorical Medal. A gold medal known as the “Washington Medal” is offered by the Xavier University Alumni
The Dr. J. T. Clear Biology Key. This key, founded by Dr. J. T. Clear, is awarded annually to the member of the Xavier Biological Society who has completed his major in the Department of Biology with the highest distinction.

The Dorst Chemistry Key. This key, the gift of Arno A. Dorst, is awarded annually to the senior student who has completed his major in the Department of Chemistry with the highest distinction.

The Alpha Chi Sigma Prize. This prize is awarded to the sophomore student majoring in chemistry who has attained the highest scholastic average during the freshman and sophomore years.

French Medal. A gold medal, the gift of Mrs. Frederick Wallis Hinkle, LL.D., is offered annually to the student of the University who excels in the study of French literature.

The Colonel Charles F. Williams Scholarship and Prize. A gold medal and a $200 cash prize are offered annually by Colonel Charles F. Williams to the R.O.T.C. student who ranks highest in scholarship in the military department.

Xavier Fourragere. This military decoration is presented to R.O.T.C. students as an honor for military attainment.

The J. D. Cloud Prize. This prize is awarded to the student (Evening Division) in the Senior Accounting Class attaining the highest average for his Junior and Senior years.

The Philosophy Prize. In honor of William T. Burns, LL.D., Professor Emeritus, a prize is presented to the student (Evening Division) meriting the highest distinction in research work in the department of Philosophy.

English Prize. This prize, in memory of Peter J. O'Donnell, is offered to the student (Evening Division) for superior work in the study of English.

Advertising Prize. An award is made to the student (Evening Division) conceiving and designing the finest advertising campaign.

Student Organizations

Xavier University has provided several forms of student activities and organizations for the purpose of promoting religious, social, academic, and cultural relations among the student body. All student organizations are under the general supervision of the Dean of Men. Approval for meetings and programs must be secured from him directly or through the appointed faculty moderators. With the exception of activities and organizations of a purely religious nature only such students as are free from disciplinary censure and the scholastic censure of probation are eligible for active membership.

The University reserves the right to discontinue, or moderate any student activity or organization. By means of its committees and agencies the University also has the right to limit the extent and degree of the individual student's participation. Active membership in one of the approved organizations, exclusive of religious and athletic organizations, is required of all upper-classmen. All freshmen are required to participate in the freshmen debating groups which meet weekly.

Sodality of the Immaculate Conception. The Sodality was established and affiliated to the First Sodality in Rome on December 8, 1841. Its purpose is to promote a special and filial devotion to the Immaculate Mother of God, to imitate her virtues, and to encourage, both by word and example, an eminent purity of morals and a manly fidelity to the practices of our religion. The University Sodality desires to produce Catholic gentlemen, outstanding for their life of virtue and their apostolic spirit; leaders in the field of Catholic thought and action. The Office of the Blessed Virgin is recited in the University Chapel. Meetings are held in which pertinent Catholic problems are discussed.

The Apostleship of Prayer. The Apostleship of Prayer in League with the Sacred Heart is a world-wide organization, of which there is a distinct and duly-erected Local Chapter, with membership open to all the students. The object of the association is to foster a manly and practical devotion to the Sacred Heart of Our Lord and Its interests in the world, and to put in practice the law of universal charity by mutual prayer for the intentions of all associates.

Catholic Students' Mission Crusade. At the organization of the Catholic Students' Mission Crusade, held at Techny, Illinois, in 1918, the Sodality was represented, and its mission section became a senior unit, and consequently, a charter member of this great movement.

In January, 1921, the unit assumed a more definite form as the Crusade Unit of the Liberal Arts College, and adopted the name "The Henry P. Milet Unit" in honor of Rev. Henry P. Milet, S.J., a former director of the High School Sodality, now a missioner in Patna, India. The first Sunday of the month is Mission Sunday, observed by the reception of Holy Communion for the welfare of the missions.

The St. Aloysius Self-Denial Fund. In September 1926, a marble statue of St. Aloysius was erected on the occasion of the second centenary of the Saint's canonization. The purpose of the organization, formed at that time, is to honor and invoke St. Aloysius as the patron of purity and of a choice of a state in life; to maintain an $8,000 bursar for the education of a missionary priest; to maintain the following spiritual fund for Masses:

1. Five Masses to be celebrated each year for the deceased students of Xavier, beginning with the Class of 1926.
2. Five Masses to be celebrated for each student who dies while a member of the student body.

3. Three Masses to be celebrated each year for the deceased parents of Xavier students who have been members of the student body after 1928.

4. Three Masses to be celebrated for each parent who dies while the student is a member of the student body.

The St. Aloysius Self-Denial Fund is administered by the Moderator of Mission Activities.

The Student Council of the Evanston Division. This representative body undertakes to promote student activities whether athletic, social, scholastic, or religious; to maintain a healthy spirit of interest and comradeship among the students; to impart, foster, and exemplify the ideals which the University strives to realize. It attempts to meet local student problems chiefly by creating a sane public opinion.

The ex-officio members of the Council are the Dean of Men or his representative, and the president of each class. The other ten members are chosen as follows: the Freshmen choose one from their class; the Sophomores, two; the Juniors, three; the Seniors, four; respectively. The purpose of this method is to give the weight of numbers to the Upper-Classmen who are better acquainted with the spirit of the school, and to make the Council a thoroughly representative body.

The Student Council of the Evening Division. The purpose of this organization is to bring members of the various classes into close contact with one another, to provide a common meeting ground for the entire school, to enable the students as a body to wield an influence in the social and civic affairs of the community. The Student Council is the students' instrument for undertaking, promoting, and conducting affairs of interest or importance to the student body.

The Boosters Club is an honorary and active group composed of outstanding members of the Student Council, who have distinguished themselves by their service and loyalty to all Evening Division activities. This club forms the nucleus of the Student Council and constitutes an advisory group which will offer suggestions touching all student needs.

The Xavier Masque Society. This society was organized in 1923. Its purpose is to foster the undergraduate dramatic, literary, and musical interests of the University, and to promote social intercourse among the members. During the course of the scholastic year the Society produces at least one full length play.

The Xavier University Clef Club. All students who have the necessary qualifications are eligible to membership in the Clef Club. Two hours each week are given to vocal culture, accompanied by instruction in musical theory and correct interpretation. The Clef Club will furnish one or more numbers for all public or semi-public entertainments of the University.

The Poland Philopedian Society. The Philopedian Society, organized in 1841, is the oldest student organization on the Campus. Its purpose is to foster association of graduates and undergraduates actively interested in writing. Its undergraduate membership is limited usually to thirteen members, who meet weekly for the reading and criticism of original literary effort. One meeting each month is open to the entire membership of honorary, graduate, and undergraduate members. The Tavernacular, a privately circulated magazine, is issued quarterly.

The Mermaid Tavern. The Mermaid Tavern is a writers' club, founded in February 1931. Its purpose is to foster association of graduates and undergraduates actively interested in writing. Its undergraduate membership is limited usually to thirteen members, who meet weekly for the reading and criticism of original literary effort. One meeting each month is open to the entire membership of honorary, graduate, and undergraduate members. The Tavernacular, a privately circulated magazine, is issued quarterly.

The Science Club. The Science Club, organized in 1929, has for its purpose the developing and maintaining of interest in science. All candidates for the Bachelor of Science degree are eligible for membership. It is composed of three sections: Biology, Physics, and Chemistry.

The Economics Club. This group of students, organized under a constitution and directed by a member of the Faculty, holds semi-monthly meetings for the discussion of current problems in economics. The discussions are conducted in the manner of a forum and are semi-public.

The Heidelberg German Club. It is the purpose of this club to foster an interest in the history, culture, and language of the German people. The meetings, which are held monthly, are devoted to papers, discussions, and lectures.

The Xavier R.O.T.C. Band. The aim of the band is to promote interest in music among the students as well as to enliven the football and basketball games, to give concerts, to aid in the presentation of University programs, and to provide R.O.T.C. Military Music.
The Xavier Order of Military Merit. This honorary organization is composed of R.O.T.C. students who have received one or more citations and who have been appointed by the Professor of Military Science and Tactics. All members are to wear the fourragere as a decoration.

The R.O.T.C. Pistol Club. This club is open to all members of the R.O.T.C. who are interested in pistol firing and marksmanship. The University has two pistol ranges with multiple firing points and target returns. An officer of the Department of Military Science supervises all target practice.

Jesuit Honor Society. The purpose of the Alpha Sigma Nu, chapters of which have been established in most of the colleges and universities under Jesuit supervision, is to honor students who have distinguished themselves by scholarship, service, and loyalty to the University, as well as to constitute an advisory group of seniors who will offer suggestions touching student needs. Each year four juniors are selected by the Dean and approved by the President of the University and after due initiation, these appointees become members of the national organization.

The "X" Club. The “X” Club is composed of all those who have merited the athletic award of the University. It has as its object the preservation of continued interest in the athletic activities of the University among the lettermen.

The Sword and Plume. This is an alumni society organized to honor students in their senior year with membership. The honor of membership is conferred only on senior students who have distinguished themselves in activities and who pledge themselves to impress the ideals of Jesuit education on their fellow men.

The Xavier Booklovers Club. The Xavier Booklovers Association, organized in 1925 by friends of the University Library, has for its purpose promotion of the reading and research facilities of the library by the purchase of books and periodicals. Funds are raised by means of membership fees, benefit parties, and special gifts. In 1932 the Association was organized on a formal basis, with a written constitution and regular meetings. A Ladies Group, recruited largely from mothers of students, meets monthly during the academic year for lectures, card parties, and entertainments. Membership in the Association is open to any student of the University or to any friend of the University Library on payment of the one dollar annual fee.

Xavier University Alumni Association. Established in 1888, this alumnae group has for its purpose the fostering of the same loyal spirit and helpful interest toward Alma Mater which is characteristic of the Alumni Association.

Kappa Sigma Mu. This organization, composed of present students and former students of the Evening Division, is a student as well as alumnal organization. Men and women students are eligible for membership, which is open to students who have been in attendance for at least four semesters.

Student Publications

The Xavier Athenaeum, a literary magazine of "Old Xavier," was revived in March 1926, after a lapse of seven years. The Athenaeum was issued quarterly, but in 1927-28 it was reduced to three editions a year. It is intended to foster literary effort among the students. Honor students in English form the staff.

The Xavier University News, begun in November 1918 as a fortnightly newspaper, was changed in 1924 into a weekly publication. It is published by a board of student editors, under the supervision of a Faculty Director. The editorial staff is appointed by the Director on recommendation of the Department of English and with the approval of the Dean of the College of Liberal Arts. Appointment to the staff is a recognition of literary ability.

The Musketeer is the official year-book of the University, and is edited and managed by the student body. It is issued in the latter part of May and, besides containing a pictorial record of various school events, social functions, athletics, and campus organizations, it aims to furnish a permanent record of student life during the four years of the class being graduated.
General Administration

Admission

Application for admission is made in form. A form for this purpose can be had on request.

Applicants must arrange to have an official transcript of credits sent to the Registrar from the high school from which they graduated or from the colleges attended. The arrangement must be made at such a time as to have the transcript on file with the Registrar not later than one month prior to registration, or about August 15 of each year. All credentials which are accepted for admission become the property of the University and are kept permanently on file. All communications regarding admission and registration should be made to the Registrar.

Admission by Certificate

Graduates of Accredited High Schools. The usual method of admission for high school graduates is by certificate of graduation from an accredited high school together with an official record of units and an official recommendation from the principal. A unit is the equivalent of a subject extending through a school year of thirty-six weeks with five recitations per week. A minimum of fifteen units is required.

In presenting the fifteen units for admission an applicant may offer either nine units distributed as follows:

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Units</th>
<th>Subjects</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Algebra</td>
<td>1</td>
</tr>
<tr>
<td>Language</td>
<td>2</td>
<td>Plane Geometry</td>
<td>1</td>
</tr>
<tr>
<td>History</td>
<td>1</td>
<td>Science</td>
<td>1</td>
</tr>
</tbody>
</table>

or ten units in four sequences, two major sequences (three units each) and two minor sequences (two units each). The sequences will be selected from the five groups of subjects listed below. Not more than one of the required sequences may be accepted from any one group, except Group B, where sequences may be offered in each of two languages.

Group A. English and Speech. A major sequence must be offered from this group.

Group B. Language. The languages acceptable in this group are Greek, Latin, French, German, Italian, Polish, and Spanish. Any sequence must be in a single language and no more than two sequences will be acceptable.

Group C. Mathematics. A minor sequence in this group must be offered and must include one unit of algebra and one unit of plane geometry. For all applicants, except applicants for the pre-engineering program, a unit of physics may be combined with a minor sequence in mathematics to form a major sequence. Applicants for the pre-engineering program must present 1 1/2 units of algebra, 1 unit of plane geometry and 3/4 unit of solid geometry for a major sequence in mathematics.

Group D. Science. Not more than one unit in any one science may be offered. Physics may not be counted toward a science sequence if it is counted in the mathematics group toward a major sequence. If biology be included neither botany nor zoology may be counted.

Group E. Social Studies. The subjects and the number of units in each subject which are acceptable from this group are as follows:

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>1 to 4</td>
</tr>
<tr>
<td>American Government</td>
<td>3/4 to 1</td>
</tr>
<tr>
<td>Economics</td>
<td>3/4</td>
</tr>
<tr>
<td>Commercial Law</td>
<td>1/2</td>
</tr>
<tr>
<td>Geography</td>
<td>1/2</td>
</tr>
<tr>
<td>Sociology</td>
<td>1/2</td>
</tr>
</tbody>
</table>

The remaining units may be in any subjects counted toward graduation by an accredited high school. However, single half units in languages will not be acceptable.

Applicants who have a deficiency in their sequences not to exceed two units, and who meet all other requirements will be admitted as deficient. This deficiency, however, must be removed before admission to Sophomore standing.

Admission by Examination

Admission on Probation. Graduates of non-accredited high schools will be admitted on probation if they meet in every other respect the admission requirements for graduates of accredited high schools. This probation will continue for at least one semester.

Applicants who are high school graduates but whose principals are unwilling to recommend them for college on the basis of a part or the whole of their high school record may be admitted on probation at the discretion of the Committee on Admissions. The applicant, however, must pass successfully whatever examinations shall be regarded by the Committee as a necessary basis of estimate.

Adults. Applicants who are not high school graduates but who are at least twenty-one years of age may be admitted by examination. The Committee on Admissions will require the applicant to pass successfully such examinations as will enable the committee to determine the equivalents of high school graduation and qualifications for college.
All applicants admitted by examination will be admitted on probation. The probation period will continue for at least one semester.

Admission to Advanced Standing

Applicants from other institutions of collegiate rank must arrange for the transfer of credentials so that their credentials may be on file one month in advance of the day of registration. The following credentials must be filed with the Registrar:

- An official transcript of all high school and college credits showing the entire scholastic record; honorable dismissal or dismissals;
- and satisfactory completion of financial arrangements with the institution or institutions attended. No applicant may disregard his college record and apply for entrance in freshman standing.

The rank of advanced standing to which the student will be admitted will depend upon the quantity and quality of the work done in the other institution or institutions, the accreditation of the institution, and the conformity of the work to the degree program for which the student wishes to register. Courses in which the applicant has received the lowest passing grade will not be acceptable. These courses need not be repeated unless repetition be deemed necessary by the Dean or the Directors of the Departments. In all cases evaluation of credits for advanced standing will be provisional for at least one semester. The last thirty-two hours of work with C average must be completed in the University before receiving any degree.

Students dismissed for poor scholarship from the University or from other institutions will not be eligible for admission or readmission until after the lapse of at least one semester. In all cases admission or readmission and the conditions of such will be determined finally by the Committee on Admissions.

Registration

Fixed dates in each semester are reserved for registration and are to be found in the academic calendar in this catalogue. A late registration fee of five dollars ($5.00) will be charged if applicants or students do not register on the prescribed dates. After the beginning of classes any change in schedule of courses can be made only with the consent of the Dean or the adviser. No change in schedule may be made later than one week after the inception of classes. A fee of one dollar ($1.00) will be charged for each change unless the change be made upon recommendation of the Dean or the adviser. A student's program of studies may be restricted in the number and choice of courses or total number of credit hours if for any reason the Dean or the adviser shall consider such restriction necessary.

College Year

The college year begins the third week in September and includes thirty-six weeks, which are divided into two semesters of eighteen weeks each. There is a Christmas and an Easter recess. Classes are not held on legal holidays nor on the more solemn religious festivals of the Catholic Church.

Freshman Week

Recognizing the need of giving newly entering students an introduction to their work and University life, an orientation program is arranged and designated as Freshman Week. The program provides for conferences with members of the Committee on Student Advisement; aptitude and placement tests; registration and payment of fees; lectures on the use of the library; the existence and nature of student activities; health and military provisions; and the traditions of the University. All freshmen must register at 9:00 a.m. on Monday, September 8, in the Lobby of the Biology Building. Freshmen who fail to register at the prescribed time will be charged a late registration fee and also such special fees as are incurred by those who fail to take all prescribed tests and examinations at the designated time.

Student Housing

The student residence (Elet Hall) is under the supervision of the Jesuit Fathers and can accommodate one hundred students in single and double rooms. It is required that out-of-town students reside in Elet Hall. Any exception to the rule is made only by the President with the consent of the parent or guardian.

Counselling Service

The University strives to give each student as much individual attention as is possible. All students entering the College of Liberal Arts are required to consult with a member of the Committee on Student Advisement prior to registration for the purpose of selecting a suitable program of studies. At the time of registration the student is assigned an adviser and is called each month by this adviser for consultation in all that concerns his scholastic work. Freshmen are interviewed once each semester by the Dean of Freshmen. For spiritual and more personal guidance the University provides a Student Counsellor.

Student Health Service

Freshmen students are given a health examination. On the basis of this examination each student is advised of any need of
medical attention which may exist and is restrained from participation in extracurricular activities if necessity requires. Students in the advanced courses of military science receive the medical attention prescribed by the rules and regulations of the R.O.T.C.

Unit of Instruction

A unit of instruction is one hour a week for one semester. The unit is called a credit hour and is the measure of work in the College of Liberal Arts. A weekly two- or three-hour period of laboratory work is considered equivalent to one credit hour.

Grading System and Reports

At the end of each semester the parent or guardian receives by mail an estimate of the quality of the student's work in each of the courses which he has pursued. This estimate is based upon the combined results of examinations and class work and is expressed by the following symbols:

- **A**—Exceptional
- **B**—Above Average
- **C**—Average
- **D**—Inferior (but passing)
- **WP**—Withdrew passing
- **WF**—Withdrew failing
- **E**—Grade withheld pending re-examination
- **F**—Failure
- **X**—Absent from examination
- **I**—Grade withheld pending fulfillment of assignments

Quality Points

A candidate for a bachelor's degree must earn not only the number of credit hours (128) required for the bachelor's degree, but his work must possess a certain excellence which is measured by quality points.

The number of quality points is determined partly by the grade received and partly by the number of credit hours attached to the course. The grade points are as follows:

- **A**—Four points per credit hour
- **B**—Three points per credit hour
- **C**—Two points per credit hour
- **D**—One point per credit hour

The number of quality points which will be received for any course is the number of points attached to the grade received multiplied by the number of credit hours attached to the course. The scholastic standing of the student at the end of any semester is the ratio of the total number of quality points received to the total number of credit hours carried in that semester.

Examinations

If a student claims knowledge of a subject for which he cannot furnish an official record, a special examination may be given with the approval of the Dean and the Director of the Department.

Examinations in all courses are regularly held at the close of the semester. A student who has been absent from a closing examination will receive a grade of X if the excuse for the absence is acceptable to the Dean, otherwise the absentee will receive an automatic failure. Absence, however, does not excuse a student from the requirement of a special examination at a time determined by the Dean.

In continuous courses (two semester courses) a freshman student may receive a grade of E for the work of the first semester. This grade is given only when the instructor is of the opinion that a student's examination is below the standard of the student's class work. Such a student will be granted a period of six weeks to make up the deficiency. During this time the student will be given special instruction and direction by the instructor. At the end of the period a special examination will be given the student. The subsequent and substitute grade for E will always be D or F.

Written assignments are due at the time specified by the instructor. If extension is granted beyond the end of a semester, the student will be given the temporary grade of I. Unless completion of the assignments be made within two weeks after the close of a semester, the student will be recorded as having failed the course. The maximum grade which a student can earn in a course after having received an I in that course is C.

Censures

Any student whose scholastic standing does not attain a quality point ratio of 1.5 for each semester of the first year and of 1.75 for each semester of succeeding years is automatically placed on scholastic probation. This censure excludes the student from participation in any form of extracurricular activity with the exception of those activities which are of a religious nature, and demands a reduction in the hours which the student may carry. The censure will continue for at least one semester.

A student, whose quality point ratio is not so low as to warrant the censure of probation but which does not reach 2.0, will automatically be placed on the "warned" list. This censure does not demand a reduction of the student's load nor does it positively exclude the student from participation in extracurricular activities but such participation may be restricted at the discretion of the adviser or the Dean.

General failure in a majority of courses or continued low standing (below 2.0) is regarded as poor scholarship. At the discretion of the Dean, such a student will be excluded from registration in the Uni-
vessity for at least one semester. Permission to return after one semester or at any subsequent time will be granted only at the discretion of the Committee on Admissions.

If a student is placed under scholastic censure, the University assigns the right to change or limit the student's program of courses to the student's adviser or to the Dean. The same right will be exercised in the case of poor health or other circumstances unfavorable for study.

The University reserves the right to censure the conduct of any student on or off the campus in accord with the generally accepted norms of good behavior, Catholic practice, and Catholic principles of morality. This censure will be regarded as purely disciplinary and may take the form of correction, suspension, or dismissal which the President of the University, upon advice of the Committee on Student Problems, may deem appropriate. Suspension will carry with it the scholastic loss resulting from absence, and dismissal will mean the loss of that semester's credit. When a student incurs the disciplinary censure of dismissal, or withdraws while under the censure of suspension, the University has the right to declare, at the discretion of the President, the fact of disciplinary censure to the admissions officer of any educational institution to which the student may subsequently apply. In such cases the reason or reasons of censure will be stated only with the consent of the parent or guardian.

Withdrawal

If the student withdraws from any or all courses without permission of the Dean he receives an automatic failure. The student who withdraws from any or all courses with the requisite permission will receive a grade of W, if the withdrawal takes place within the first six weeks of the semester, or a grade of WP (withdrawn passing) or WF (withdrawn failing) if he withdraws after the first six weeks of the semester. Permission will be given only when application is made within two weeks after discontinuance. The grade WF is accounted as a failure in computing scholastic standing.

Honorable Dismissal

Honorable dismissal is voluntary withdrawal from the University with the consent of the Dean. All indebtedness to the University must be adjusted before a statement of honorable dismissal will be issued. The statement indicates that the student withdrew in good standing as far as character and conduct are concerned.

Student Classification

Students are classified as Sophomores who have at least twenty-four credit hours and forty-eight quality points; Juniors, who have a minimum of sixty-four credit hours and one hundred and twenty-eight quality points and have completed all lower division requirements; Seniors, who have ninety-six credit hours and one hundred and ninety-two quality points. The Freshman and Sophomore years are grouped as lower division years, Junior and Senior as upper division years.

Students are also classified as Part-time who carry less than twelve credit hours of work in any semester; as Unclassified, if they have not declared themselves as candidates for a degree; as Auditors, if their courses are not taken for college credit.

Attendance

No "cuts" are permitted in any of the classes or laboratory sessions. Tardiness is defined as absence when the roll is called. Tardiness will always be counted as one-half of an absence and, should the student fail to report his tardiness to the instructor at the end of the period, it will be recorded as an absence.

When the number of absences exceeds the number of credit hours attached to a course, the student is automatically suspended from the course and will be excluded by the instructor until reinstated by the Dean. If reinstatement is made, subsequent absences again exceeding the number of credit hours will automatically drop the student from the course. Readmission by the Dean after a student has been dropped from any or all courses will be made only in cases where there was a grave reason for the absences, such as serious illness. Permission to reenter any course, after the student has been dropped from the course, will never be granted, without special action and recommendation of the Committee on Absences, when accumulated absences have exceeded three times the number of credit hours.

If readmission is refused to an absentee who has been unavoidably absent, the instructor will assign a grade as in the case of a withdrawal with permission of the Dean. If the majority of absences were avoidable, a student, if reinstated after suspension, will not be able to earn more than a D grade. Readmission will not be granted to a student who has been dropped from a course for absences, the majority of which were avoidable, and the instructor will assign a grade as in the case of a withdrawal without permission of the Dean.

Avoidable absences on days preceding or following the Thanksgiving, Christmas, and Easter vacations will be doubled. Every absentee must report his absence to the Registrar's office prior to the return, if anticipated, or on the first day of return, and the reason of the absence must be filed with the report. Neither parent nor student will be warned of accumulating absences.
Transcript of Records

No transcript of records will be issued until all indebtedness to the University has been adjusted. The University will send one official transcript of a student's record to any educational institution to which a student or former student may wish to transfer. An unofficial transcript will be issued to a student or former student requesting it. Requests for such transcripts cannot promptly be complied with, if made during the time of registration or examinations. If more than one transcript is requested a charge of two dollars will be assessed for each transcript after the first.

Tuition and Fees

All communications concerning tuition and fees should be addressed to the Registrar of the University.

Tuition and fees must be paid in advance and on the day designated in the calendar as registration day. Attendance will not be permitted until all financial obligations have been completed. A deferred payment plan is available in meeting tuition. The tuition and fees for the entire year may be paid in four or nine equal instalments, but always in advance of the instalment periods. A service charge, payable in advance and covering the entire college year, will be made for deferred payments. A refund of tuition may be claimed in the case of withdrawal or dismissal. The amount refunded, however, will be diminished by twenty per cent of the total initial amount for each two weeks of attendance. Therefore, no refund will be made after the student has been in attendance for more than eight weeks. Fees will not be refunded. Application for refund must be made in writing. The amount of refund will be calculated from the date of application.

The tuition and fees are as follows:

**First Semester**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$75.00</td>
</tr>
<tr>
<td>Matriculation (payable once)</td>
<td>$6.00</td>
</tr>
<tr>
<td>Fee for each laboratory science</td>
<td>$5.00</td>
</tr>
<tr>
<td>Laboratory materials deposit (partially returnable)</td>
<td>$5.00-$10.00</td>
</tr>
<tr>
<td>R.O.T.C. bond and deposit (partially returnable)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Activities fee (includes health examination; subscription to The Xavier University News, The Xavier Athemecum, The Musketeer; admission to all home games; participation in intramural and intercollegiate athletics; library; membership in some organizations)</td>
<td>$16.00</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$75.00</td>
</tr>
<tr>
<td>Fee for each laboratory science</td>
<td>$10.00</td>
</tr>
<tr>
<td>Activities fee</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

The incidental and contingent fees are as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late registration (exclusive of special examinations, etc.)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Each special examination</td>
<td>$2.00</td>
</tr>
<tr>
<td>Special and extra courses (per credit hour)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Part-time students (per credit hour)</td>
<td>$6.00</td>
</tr>
<tr>
<td>Annual service charge (four instalment plan)</td>
<td>$2.00</td>
</tr>
<tr>
<td>Annual service charge (nine instalment plan)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Duplicate transcript</td>
<td>$2.00</td>
</tr>
<tr>
<td>Graduation fee</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

All fees are subject to change as conditions necessitate. Such changes take effect at once and apply to all students unless otherwise exempted.

Dormitory Expenses

A room in Elet Hall may be rented for one or two students. The rental charge of a room includes heat, light, water, furnishings (with the exception of blankets and towels), and care. A deferred payment plan is available in meeting the charges for board and room. The arrangement is similar to the plan of deferred payment of tuition and fees. A deposit of ten dollars ($10.00), not included in the rental charge, must accompany the verbal or written application of each prospective resident. This deposit will be kept as a damage fee and, therefore, returnable when the student withdraws or is graduated. It will not be returned if notice of cancellation of reservation is received after August 15. Reservation is made for one school year only, so that residence in a preceding year will not operate as a reservation for the following year. In case of withdrawal or dismissal any refund will be made strictly on the basis of a proportionate number of weeks of residence.

The dormitory expenses for the year 1941-42 are as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reservation deposit (returnable)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Single room (per semester)</td>
<td>$100.00</td>
</tr>
<tr>
<td>Double room (per semester)</td>
<td>$75.00</td>
</tr>
<tr>
<td>Meals (College Inn, per semester)</td>
<td>$180.00</td>
</tr>
</tbody>
</table>
Curricular Administration

Courses

Courses are grouped according to their basic or advanced content. Basic courses, which are ordinarily open to freshmen and sophomore students, are regarded as lower division courses. Upper division courses are open to junior and senior students.

Departments of Instruction

For the purposes of faculty administration and of classification of courses according to the nature of their subject matter, all courses are grouped in departments. In the college of Liberal Arts there are fourteen departments: Biology, Chemistry, Economics, English, History, Classical Languages, Modern Languages, Mathematics, Military Science, Philosophy, Physics, Psychology, Religion, Sociology.

Curricular Divisions

There is a larger grouping of departments into three curricular divisions. These divisions are made to facilitate inter-departmental administration and to integrate fields of study. The divisions are as follows:

<table>
<thead>
<tr>
<th>Languages</th>
<th>Social Sciences</th>
<th>Natural Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>English and Speech</td>
<td>Economics</td>
<td>Biology</td>
</tr>
<tr>
<td>Classical Languages</td>
<td>History</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Greek</td>
<td>Philosophy</td>
<td>Geophysics</td>
</tr>
<tr>
<td>Latin</td>
<td>Psychology</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>Religion</td>
<td>Military Science</td>
</tr>
<tr>
<td>French</td>
<td>Sociology</td>
<td>Physics</td>
</tr>
<tr>
<td>German</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lower Division Objectives

Before admission to upper division classification a student shall have completed a minimum of sixty-four hours with a C average. Excess quality points earned the first two years may not be applied to remove a quality point deficiency the last two years. Moreover, the student shall have attained:

- A mastery of English expression, both written and oral, and an adequate acquaintance with the masterpieces or types of English literature,
- A religious knowledge and religious orientation adequate for personal and apostolic Catholic living,
- A reading knowledge of at least one modern language,
- An acquaintance with scientific and mathematical thinking,
- An acquaintance with the history and principles of social institutions.

Upper Division Objectives

At the close of his sophomore year and with the approval of the adviser, the candidate for a degree will select a field of study in which he will complete approximately half of his upper division courses. This field of study will be referred to as the field of concentration. The purpose of the field of concentration is to give the student a comprehensive grasp of some field of knowledge, to grant a wider scope to his particular interests and talents, and to lay an adequate undergraduate foundation for graduate or professional study. The student will come under the scholastic supervision of the director of the department in which the concentration emphasis or major is placed.

The content of upper division courses is suited to the mature student. As a consequence, the student’s approach and methods of study shall be such as to display in all fields self-activity and sanely independent work and thought, and in the field of concentration a penetration and organization which will obtain for the student an undergraduate but thorough grasp of the field. After the completion of his lower division work, to obtain the upper division objectives, a student is required to carry a minimum of sixty-four credit hours with a C average. No credit will be granted toward a degree for more than forty hours in any one department.

Field of Concentration

This term is used to signify an upper division student’s specialized study. Taken in its entirety and in terms of credit hours it constitutes approximately half of the student’s upper division work; therefore, from thirty to forty credit hours. The field of concentration is so organized under the direction of the student’s adviser that about two-thirds of these credit hours (not less than eighteen) are in the upper division courses of some one department. The remaining courses of the field of concentration are in the nature of supporting courses, that is, directly or indirectly contributing to the scope and breadth of the field, and may be taken in one or more departments.
Concentration Major

The term concentration major is used to signify the particular emphasis in a field of concentration, and is understood to embrace those upper division courses which constitute the student's principal study and are found in one department. The minimum quantity of work required for a concentration major in any department is eighteen credit hours of upper division courses, approved by the director of the department and completed with an average of C. The concentration major will suppose the completion of at least six credit hours (C average) of lower division work in the department in which the student is concentrating. In the Department of Modern Languages this six credit hour requirement, however, is not satisfied by beginning courses or their equivalent.

Major and Minors

The term major is sometimes used synonymously with concentration major. It is also applied to the student himself who has selected a particular department of instruction from which to choose the major portion of his concentration courses. The term is also used to designate a selected group of courses representing a student's specialization, which group, taken in relation to two other groups, constitutes the "major and minors system" for distributing and restricting a student's academic interests within a particular curriculum.

According to the system of major and minors, the major represents four years of work in some one department, amounting in quantity to not less than twenty-four credit hours of work, and possessing the quality of a C average or better. The minors are two other groups of courses; one called the first or related minor, the other, the second or unrelated minor. The related minor requires three years of work (not less than eighteen credit hours, C average) in a department which is in the same curricular division as the department from which the student has selected his major.

The unrelated minor is also a sequence of courses pursued over the space of three years to the amount of at least eighteen credit hours, C average. The unrelated minor, however, is ordinarily selected from a department which is not in the same curricular division as the major.

Students who anticipate a teaching career will be required to plan their programs of studies according to the major and minors system. Their choice of major and minors, however, must be made with the approval of the Dean.

General Graduation Requirements

In addition to the requisites of a particular program, a candidate for the bachelor's degree must fulfill the following requirements:

The candidate shall have completed an accepted program of studies in which the quantity of academic work, measured in credit hours, is not less than one hundred and twenty-eight credit hours, and in which the quality of academic work, measured in quality points, has a minimum value of two hundred and fifty-six quality points, or an average of C in the hours earned.

The candidate shall have completed all lower division objectives.

The candidate shall have fulfilled the lower division and upper division objectives in the matter of distribution of courses.

The candidate shall have successfully completed not less than eighteen credit hours in philosophy and psychology courses, except for the degree of Bachelor of Literature.

The candidate, if a Catholic, shall have successfully completed eight credit hours in formal Religion courses and eight credit hours in Christian Culture courses.

The candidate shall have completed the last thirty-two credit hours (C average) in the University and in courses accepted by the College of Liberal Arts.

The candidate shall have submitted, on or prior to March 8, a written thesis. The topic shall have been approved or assigned on or before October 20. The thesis shall fulfill all general and particular prescriptions of the adviser and shall be accepted or rejected on or before April 1.

Application for degrees shall be filed in form with the Registrar not later than April 15.

No student will be considered a candidate for a degree who has any deficiency at the beginning of the second semester of his senior year, and who has less than one hundred and twelve credit hours or less than the number of quality points equivalent to a C average in the hours earned.

The University reserves the right to modify its graduation and other academic requirements as may seem necessary from time to time. It will be obligated only during the academic year of the student's registration by requirements published in the catalogue for that year.

Graduation Honors

Honors are awarded on the basis of outstanding moral and intellectual attainment. A student who has earned a quality point average of 3.75 in his last two years at the University is graduated Summa Cum Laude; one who has earned 3.50, Magna Cum Laude; one who has earned 3.25, Cum Laude. These honors are announced
at Commencement and are inscribed on the diplomas of those students meriting the honors. Honors are conferred only when the student has completed the last two years in the University. An exception will be made in the case of students transferring from another Jesuit institution.

Residence

Candidates for degrees must spend at least the last year in residence at Xavier University. Residence is the personal presence at the University of a student carrying a normal weekly load. To establish residence of a year for a bachelor’s degree at the University, a student ordinarily must complete one fourth of the total number of hours required for graduation.

Attendance at Commencement

All candidates for degrees must be present at the Commencement Exercises to receive their diplomas.

Degrees

The University will confer a bachelor’s degree upon any candidate of the College of Liberal Arts who has successfully completed an accepted program of studies, and who has fulfilled, prior to graduation, all degree requirements, both general and particular. The undergraduate degrees conferred by the University on candidates of the College of Liberal Arts are the degrees of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, and Bachelor of Literature; and Bachelor of Business Administration (Evening Division).

Bachelor of Arts

The degree of Bachelor of Arts is conferred on the candidate whose field of concentration has been in any one of the three curricular divisions. The prescribed subjects together with the corresponding minimum quantities for the program of studies leading to this degree are as follows:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hrs.</th>
<th>Subject</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>30</td>
<td>Latin (C average)</td>
<td>12</td>
</tr>
<tr>
<td>Christian Culture</td>
<td>8</td>
<td>Military Science</td>
<td>8</td>
</tr>
<tr>
<td>English</td>
<td>12</td>
<td>Philosophy and Psychology</td>
<td>18</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
<td>Religion</td>
<td>8</td>
</tr>
<tr>
<td>Modern Language or Greek</td>
<td>8</td>
<td>Speech</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics or Science</td>
<td>6-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Bachelor of Science

The degree of Bachelor of Science is conferred on the candidate whose field of concentration has been in the Division of Social Sciences or the Division of Mathematics and Natural Sciences. The minimum program requirements for such a degree with concentration in the Division of Mathematics and Natural Sciences are as follows:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hrs.</th>
<th>Subject</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>30</td>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry</td>
<td>8</td>
<td>Military Science</td>
<td>8</td>
</tr>
<tr>
<td>Christian Culture</td>
<td>8</td>
<td>Philosophy and Psychology</td>
<td>18</td>
</tr>
<tr>
<td>English</td>
<td>12</td>
<td>Physics</td>
<td>8</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
<td>Religion</td>
<td>8</td>
</tr>
<tr>
<td>Modern Language</td>
<td>8</td>
<td>Speech</td>
<td>2</td>
</tr>
</tbody>
</table>

Bachelor of Philosophy

The degree of Bachelor of Philosophy is conferred on a candidate whose concentration has been in the Division of Languages or the Division of Social Sciences and whose program has included the following subjects and corresponding minimum quantities:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hrs.</th>
<th>Subject</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>30</td>
<td>Military Science</td>
<td>8</td>
</tr>
<tr>
<td>Christian Culture</td>
<td>8</td>
<td>Philosophy and Psychology</td>
<td>18</td>
</tr>
<tr>
<td>English</td>
<td>12</td>
<td>Religion</td>
<td>8</td>
</tr>
<tr>
<td>History</td>
<td>12</td>
<td>Science</td>
<td>8</td>
</tr>
<tr>
<td>Modern Language</td>
<td>8</td>
<td>Speech</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Bachelor of Literature

The degree of Bachelor of Literature is conferred on a candidate whose concentration has been in the Division of Languages and whose program has included the following subjects and corresponding minimum quantities:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hrs.</th>
<th>Subject</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>30</td>
<td>Modern Language</td>
<td>6</td>
</tr>
<tr>
<td>English</td>
<td>12</td>
<td>Latin</td>
<td>12</td>
</tr>
<tr>
<td>Greek</td>
<td>12</td>
<td>Science or Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
<td>Speech</td>
<td>4</td>
</tr>
</tbody>
</table>

Bachelor of Arts

<table>
<thead>
<tr>
<th></th>
<th>Hrs.</th>
<th></th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>3</td>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Latin</td>
<td>4</td>
<td>Latin</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics or Science</td>
<td>3-4</td>
<td>Mathematics or Science</td>
<td>3-4</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
</tr>
<tr>
<td>Greek or Modern Language</td>
<td>4</td>
<td>Greek or Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>Religion</td>
<td>2</td>
<td>Religion</td>
<td>2</td>
</tr>
<tr>
<td>*Fundamental English</td>
<td>0</td>
<td>*Fundamental English</td>
<td>0</td>
</tr>
</tbody>
</table>

18-19

<table>
<thead>
<tr>
<th></th>
<th>Hrs.</th>
<th></th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>3</td>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
</tr>
<tr>
<td>Psychology (Gen.)</td>
<td>4</td>
<td>Psychology (Gen.)</td>
<td>2</td>
</tr>
<tr>
<td>Religion</td>
<td>2</td>
<td>Religion</td>
<td>2</td>
</tr>
<tr>
<td>Elective</td>
<td>3-4</td>
<td>Elective</td>
<td>3-4</td>
</tr>
</tbody>
</table>

17-18

<table>
<thead>
<tr>
<th></th>
<th>Hrs.</th>
<th></th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy (Metaphys.)</td>
<td>3</td>
<td>Philosophy (Metaphys.)</td>
<td>3</td>
</tr>
<tr>
<td>Christian Culture</td>
<td>2</td>
<td>Christian Culture</td>
<td>2</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Latin</td>
<td>4</td>
<td>Latin</td>
<td>4</td>
</tr>
<tr>
<td>Concentration</td>
<td>6</td>
<td>Concentration</td>
<td>6</td>
</tr>
</tbody>
</table>

18

<table>
<thead>
<tr>
<th></th>
<th>Hrs.</th>
<th></th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy (Ethics)</td>
<td>3</td>
<td>Philosophy (Ethics)</td>
<td>3</td>
</tr>
<tr>
<td>Christian Culture</td>
<td>2</td>
<td>Christian Culture</td>
<td>2</td>
</tr>
<tr>
<td>Concentration</td>
<td>9</td>
<td>Concentration</td>
<td>9</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

17

*Students who are deficient in English must take this course.
### Bachelor of Philosophy

#### FRESHMAN

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>3</td>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>Religion</td>
<td>2</td>
<td>Religion</td>
<td>2</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td><em>Fundamental English</em></td>
<td>0</td>
<td><em>Fundamental English</em></td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

#### SOPHOMORE

| Economics      | 3    | Economics      | 3    |
| English        | 3    | English        | 3    |
| Military Science | 2   | Military Science | 2    |
| Psychology (Gen.) | 4  | Religion       | 2    |
| Religion       | 2    | Speech         | 2    |
| Elective or U. S. History | 3 | Elective or U. S. History | 3 |
|                | 17   |                 | 17   |

#### JUNIOR

| Philosophy (Metaphys.) | 3    | Philosophy (Rat'l Psych.) | 3    |
| Christian Culture      | 2    | Christian Culture        | 2    |
| English                | 3    | English                  | 3    |
| Concentration          | 6    | Concentration            | 6    |
| Elective               | 3    | Elective                 | 3    |
|                        | 17   |                          | 17   |

#### SENIOR

| Philosophy (Ethics)    | 3    | Philosophy (Ethics)      | 3    |
| Christian Culture      | 2    | Christian Culture        | 2    |
| Concentration          | 9    | Concentration            | 9    |
| Elective               | 3    | Elective                 | 3    |
|                        | 17   |                          | 17   |

*Students who are deficient in English must take this course.

### Bachelor of Science (Natural Sciences)

#### FRESHMAN

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>3</td>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>Religion</td>
<td>2</td>
<td>Religion</td>
<td>2</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
<td>4-5 Science</td>
<td>5</td>
</tr>
<tr>
<td><em>Fundamental English</em></td>
<td>0</td>
<td><em>Fundamental English</em></td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>18-19</td>
<td>18</td>
</tr>
</tbody>
</table>

#### SOPHOMORE

| English        | 3    | English        | 3    |
| Military Science | 2   | Logic          | 2    |
| Physics        | 4    | Military Science | 2    |
| Psychology (Gen.) | 4  | Religion       | 2    |
| Religion       | 2    | Science        | 4    |
| Science        | 4    | Speech         | 2    |
|                | 19   |                | 19   |

#### JUNIOR

| Philosophy (Metaphys.) | 3    | Philosophy (Rat'l Psych.) | 3    |
| Christian Culture      | 2    | Christian Culture        | 2    |
| English                | 3    | English                  | 3    |
| Concentration          | 6-8  | Concentration            | 6-8  |
| Elective               | 3    | Elective                 | 3    |
|                        | 17   | 17-19                    | 17   |

#### SENIOR

| Philosophy (Ethics)    | 3    | Philosophy (Ethics)      | 3    |
| Christian Culture      | 2    | Christian Culture        | 2    |
| Concentration          | 9    | Concentration            | 9    |
| Elective               | 3    | Elective                 | 3    |
|                        | 17   |                          | 17   |

*Students who are deficient in English must take this course.
**Bachelor of Science (Accounting and Economics)**

**FRESHMAN**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>3</td>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
<td>4</td>
</tr>
<tr>
<td>Religion</td>
<td>2</td>
<td>Religion</td>
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<tr>
<td>Science</td>
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<tr>
<td><em>Fundamental English</em></td>
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</tbody>
</table>

**SOPHOMORE**

| Accounting   | 3    | Accounting      | 3    |
| Economics    | 3    | Economics       | 3    |
| English      | 3    | English         | 3    |
| Military Science | 2  | Military Science | 2   |
| Psychology (Gen.) | 4  | Military Science | 2   |
| Religion     | 2    | Religion        | 2    |
| Speech       | 2    |                |      |
|               | 17   |                 | 17   |

**JUNIOR**

| Philosophy (Metaphys.) | 3 | Philosophy (Rat'1. Psych.) | 3 |
| Christian Culture     | 2 | Christian Culture          | 2 |
| English               | 3 | English                    | 3 |
| Concentration         | 6 | Concentration              | 6 |
| Elective              | 3 | Elective                   | 3 |
|                       | 17 |                           | 17 |

**SENIOR**

| Philosophy (Ethics) | 3 | Philosophy (Ethics) | 3 |
| Christian Culture   | 2 | Christian Culture   | 2 |
| Concentration       | 9 | Concentration       | 9 |
| Elective            | 3 | Elective            | 3 |
|                     | 17 |                     | 17 |

*Students who are deficient in English must take this course.

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**Pre-Legal Curriculum**

Students applying for admission to law schools must have completed a minimum of two years of collegiate work, i.e., sixty-four hours at Xavier University. Many law schools now demand a minimum of three years of collegiate preparation before beginning law. The following outline of curriculum will meet the three year requirement.

**FRESHMAN**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>History</td>
<td>3</td>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics of Finance</td>
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<td>Mathematics of Finance</td>
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<tr>
<td>Military Science</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
</tr>
<tr>
<td>Modern Language</td>
<td>4</td>
<td>Modern Language</td>
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<tr>
<td>Religion</td>
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<tr>
<td>Science</td>
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<td><em>Fundamental English</em></td>
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**SOPHOMORE**

| Economics   | 3    | Economics       | 3    |
| English     | 3    | English         | 3    |
| History (U. S.) | 3  | History (U. S.) | 3    |
| Military Science | 2  | Logic           | 2    |
| Psychology (Gen.) | 4  | Military Science | 2   |
| Religion    | 2    | Religion        | 2    |
| Speech      | 2    | Speech          | 2    |
| Elective    | 2    | Elective        | 2    |
|             | 19   |                 | 19   |

**JUNIOR**

| Accounting   | 3    | Accounting      | 3    |
| Christian Culture | 2  | Christian Culture | 2   |
| English      | 3    | English         | 3    |
| U. S. Const. History | 3  | U. S. Const. History | 3   |
| Philosophy (Metaphys.) | 3 | Philosophy (Rat'1. Psych.) | 3 |
| Philosophy (Ethics) | 3  | Philosophy (Ethics) | 3    |
|                | 17   |                 | 17   |

*Students who are deficient in English must take this course.*
Pre-Medical Curriculum

The minimum requirement for admission to standard schools of medicine is two years of collegiate preparation in an approved college, i.e., sixty-four credit hours at Xavier University. This preparation which presupposes the regular high school units, prescribes a year of English, biology, physics, and inorganic chemistry; a semester of organic chemistry; and electives to make up the sixty-four hours of academic studies. An average of C is required in all prescribed subjects.

Many medical schools now require a minimum of three years of collegiate preparation; others require a Bachelor's degree before beginning medicine; still others have special entrance requirements. Hence, each prospective medical student is advised to acquaint himself with the requirements of the medical school by corresponding with the registrar of the school he intends to enter, and to plan his pre-medical work accordingly.

FRESHMAN

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<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Chemistry</td>
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<td>Chemistry</td>
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<tr>
<td>History</td>
<td>3</td>
<td>History</td>
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<tr>
<td>Mathematics (Trig.)</td>
<td>3</td>
<td>Mathematics (Alg.)</td>
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<tr>
<td>Military Science</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
</tr>
<tr>
<td>Modern Language</td>
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<tr>
<td>Religion</td>
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<td>*Fundamental English</td>
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<th>First Semester</th>
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<th>Second Semester</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>Biology</td>
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<td>Biology</td>
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<tr>
<td>English</td>
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<tr>
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<tr>
<td>Physics</td>
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<td>Physics</td>
<td>4</td>
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<tr>
<td>Psychology (Gen.)</td>
<td>4</td>
<td>Religion</td>
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<td>Religion</td>
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<td>Speech</td>
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*Students who are deficient in English must take this course.

Pre-Dental Curriculum

Since dental schools frequently have certain special entrance requirements in accordance with State Board regulations, the student should acquaint himself with these by corresponding with the registrar of the school he intends to enter.

The minimum requirement for entrance to standard schools of dentistry is two years of collegiate preparation. The college work must include a year of biology, English, inorganic chemistry, physics, and a semester of organic chemistry. An average of C is required in these courses. The following curriculum will meet the minimum requirements for entrance to standard schools of dentistry.

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<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>4</td>
<td>Biology</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>Chemistry</td>
<td>3</td>
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<tr>
<td>History</td>
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<td>History</td>
<td>3</td>
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<tr>
<td>Mathematics (Trig.)</td>
<td>3</td>
<td>Mathematics (Alg.)</td>
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<tr>
<td>Military Science</td>
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<td>Military Science</td>
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<tr>
<td>Religion</td>
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<tr>
<td>*Fundamental English</td>
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<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Chemistry (Org.)</td>
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<td>Chemistry (Quant.)</td>
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</tr>
<tr>
<td>English</td>
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<td>English</td>
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</tr>
<tr>
<td>Military Science</td>
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<td>Physics</td>
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<tr>
<td>Psychology (Gen.)</td>
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<td>Religion</td>
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<tr>
<td>Religion</td>
<td>2</td>
<td>Speech</td>
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*Students who are deficient in English must take this course.
Pre-Engineering Curriculum

Strictly speaking there is no collegiate preparation demanded by colleges of engineering. However, many of the engineering colleges have basic preparation before the engineering students take up the work of their specialized fields. The following curriculum will meet the two-year requirements of such engineering colleges as that of the University of Detroit.

FRESHMAN

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Chemistry</td>
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<tr>
<td>Mathematics</td>
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<td>Mathematics</td>
<td>4</td>
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<tr>
<td>Mechanical Drawing</td>
<td>2</td>
<td>Descriptive Geometry</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
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</tr>
<tr>
<td>Religion</td>
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SOPHOMORE

<table>
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<tr>
<th>First Semester</th>
<th>Hrs.</th>
<th>Second Semester</th>
<th>Hrs.</th>
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<tr>
<td>English</td>
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<td>3</td>
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<tr>
<td>Mathematics (Diff. Calc.)</td>
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<td>Logic</td>
<td>2</td>
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<td>Physics</td>
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18 19

Departments and Courses

Introductory Notes

The courses of instruction are numbered in accord with a unified plan. Lower division courses are numbered 1 to 99. Within the lower division numbers, the numbers 30 to 99 generally indicate that the course is open to sophomores. Upper division courses are numbered from 100 to 199. Courses given in the first semester are usually designated by an odd number; second semester courses by an even number. Double numbers, when used, indicate that the first semester course is prerequisite for the second semester course and that both must be satisfactorily completed to obtain credit for either course. In most departments the courses are grouped in decades according to sequence, content, or some other plan of sub-division. In computing minimum requirements for a major, the Senior Tutorial Course 199 may not be counted.

Key Symbols

The following is a list of the key letters used to indicate the different departments of instruction:

<table>
<thead>
<tr>
<th>Biology</th>
<th>Bl</th>
<th>Latin</th>
<th>Lt</th>
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<tbody>
<tr>
<td>Chemistry</td>
<td>Ch</td>
<td>Mathematics</td>
<td>Mt</td>
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<tr>
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<td>MS</td>
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<td>Economics</td>
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<td>Philosophy</td>
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<td>Physics</td>
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<td>Psychology</td>
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<td>Rl</td>
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<tr>
<td>Greek</td>
<td>Gk</td>
<td>Sociology</td>
<td>So</td>
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<tr>
<td>History</td>
<td>Hs</td>
<td>Spanish</td>
<td>Sp</td>
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<tr>
<td>Speech</td>
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Biology (Bl)

The courses which are offered in the Department of Biology emphasize classification and experimentation, together with a knowledge of the development of the science and an appreciation of its content and methods. They are also designed to serve the purposes of pre-medical and pre-dental students and to give an adequate basis for graduate study and research.
INTRODUCTORY BACTERIOLOGY. Two credit hours. Prerequisites: Ch 3 and 4. Morphology and physiology of bacteria and related micro-organisms. Lecture and three hours of laboratory.

GENERAL BACTERIOLOGY. Two credit hours. Prerequisites: Ch 101 and 102. Laboratory methods; cultivation and observation; biochemical reactions. Lecture and three hours of laboratory.

PATHOLOGICAL BACTERIOLOGY. Two credit hours. Prerequisite: Bl 121 or 122. Morphological and cultural characteristics; immunity and serum reactions; diagnostic procedure. Lecture and three hours of laboratory.

MICROSCOPIC TECHNIQUE. Two credit hours. Prerequisites: BI 101 and 112. Methods of preparing biological material for microscopic study. Four hours of laboratory.

COMPARATIVE HISTOLOGY. Four credit hours. Prerequisite: Bl 112. A general course in histology; comparative elements; functional aspect. Two lectures and four hours of laboratory.

BIOLOGY OF INHERITANCE. Four credit hours. Prerequisite: one year of biology. The history and development of the knowledge of inheritance. Factual information is substantiated by experiment. Theoretical interpretations are evaluated and applied. Three lectures and two hours of laboratory.

GENERAL PHYSIOLOGY. Four credit hours. Prerequisites: BI 101, Ch 3 and 4. Physico-chemical phenomena applicable to living organisms. Two lectures and four hours of laboratory.

GENERAL PHYSIOLOGY. Four credit hours. Prerequisite: Bl 161. A continuation of Bl 161. Physiology of the various animal systems. Two lectures and four hours of laboratory.

THE CHURCH AND SCIENCE. Two credit hours. The relations between the Church and the scientific world. The question of the incompatibility of religion and science. The Church’s contributions to science. The philosophy of science.

THEORY OF EVOLUTION. Two credit hours. Prerequisite: one year of biology. A discussion of the history and validity of theories of organic evolution.

Bl 3 and 4 are required as an introduction to all upper division courses with the exception of Bl 193. In exceptional cases Bl 1 may be counted as a partial fulfillment of this requisite. A concentration major must include Bl 101, 112, 193, and 199. However, in computing minimum requirements for the major, Bl 198 may not be counted.

1. INTRODUCTION TO BIOLOGY. Four credit hours. The fundamental concepts and principles of biological science. The nature of life; the biology of the cell; the morphology and physiology of representative plants and animals. Ecological and genetical considerations are emphasized. Three lectures, two hours of laboratory.

2. INTRODUCTION TO PHYSIOLOGY. Four credit hours. This course is designed to give practical and general information in human physiology. The anatomy of the diverse organ systems is discussed as an aid to understanding bodily function. Three lectures, two hours of laboratory.

3. GENERAL ZOOLOGY. Four credit hours. A course in the fundamentals of zoology. Classification, structure, function, and development of the animals in the invertebrate phyla. Two lectures, one quiz, and four hours of laboratory.

4. GENERAL ZOOLOGY. Four credit hours. A continuation of Bl 3, with the animals of the chordate phylum as objects of study. Two lectures, one quiz, and four hours of laboratory.

6. BIOLOGY SURVEY. Milford Division. Two credit hours. Cultural interpretations of the biological sciences.

Upper Division Courses

101. COMPARATIVE ANATOMY OF THE VERTEBRATES. Four credit hours. A study of vertebrate homologies. Two lectures, one quiz, and four hours of laboratory.

112. GENERAL AND VERTEBRATE EMBRYOLOGY. Four credit hours. Review of the phenomena of early embryonic development. Intensive study of amphibian, bird, and mammal embryos; organogeny of chick and pig embryos. Two lectures and four hours of laboratory.

115. ADVANCED EMBRYOLOGY. Four credit hours. Prerequisite: Bl 112. A comprehensive study of the relationships of invertebrate and vertebrate embryos. Two lectures and four hours of laboratory.
199. **Senior Tutorial Course.** Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

### Chemistry (Ch)

The purpose of the courses in Chemistry is both cultural and professional. The general student is given an appreciation of the fundamental principles of the science; the major is offered training in laboratory technique and a progressive program covering the elements of inorganic, organic, analytic, and physical chemistry to acquaint him with the basic divisions of the science.

A concentration major in this department must include Ch 101, 102, 115, 116, and 199.

1, 2. **Introduction to Chemistry.** Eight credit hours. A cultural course in the science of chemistry; foundations of the science; development; uses; methods. Three lectures, two hours of laboratory.

3. **General Inorganic Chemistry.** Four or five credit hours. Experimental lectures combined with discussion of problems and laboratory work. Two lectures, one quiz, four or six hours of laboratory.

4. **General Inorganic Chemistry.** Four or five credit hours. A continuation of Ch 3. The laboratory work will include the equivalent of Ch 31. Two lectures, one quiz, four or six hours of laboratory.

6. **Chemistry Survey. Milford Division.** Two credit hours. Cultural interpretations of the science of chemistry.

31. **Qualitative Analysis.** Four credit hours. Lectures and laboratory. Six hours per week.

### Upper Division Courses

101. **Organic Chemistry.** Four credit hours. Prerequisites: Ch 3 and 4. Two lectures, one quiz, four hours of laboratory work per week.

102. **Organic Chemistry.** Four credit hours. Prerequisite: Ch 101. Two lectures, one quiz, four hours of laboratory work per week.

106. **Qualitative Organic Chemistry.** Two credit hours. Prerequisite: Ch 102. The systematic identification of pure organic compounds and simple mixtures. Four hours of laboratory work per week.

107. **Type Reactions of Organic Chemistry.** Two credit hours. Prerequisite: Ch 102. A more detailed study of the important reactions of organic chemistry. Two lectures per week.

115. **Quantitative Analysis.** Four credit hours. Prerequisites: Ch 3 and 4. Lectures and laboratory work. Eight hours per week.

116. **Quantitative Analysis.** Four credit hours. Prerequisite: Ch 115. Lectures and laboratory work. Eight hours per week.

121. **Elementary Physical Chemistry.** Two credit hours. Prerequisites: Ch 101 and 115. Primarily a course for majors and pre-medical students who have not had Mt 151 and 152. Two lectures.

122. **Elementary Physical Chemistry.** Two credit hours. A laboratory course to accompany Ch 121.

125. **Physical Chemistry.** Four credit hours. Prerequisites: Ch 102, 115, Mt 151, 152, Ph 3 and 4. Two lectures and four hours of laboratory work.

126. **Physical Chemistry.** Four credit hours. A continuation of Ch 125. Two lectures and four hours of laboratory work.

127. **Chemical Calculations.** Two credit hours. Prerequisite: Ch 116. A further development of problems suggested by other courses.

151. **Inorganic Preparations.** Two, three, or four credit hours. Prerequisite: Ch 115. Laboratory preparation of various classes of compounds to develop technique and to illustrate the methods employed in the preparation of pure inorganic compounds.

152. **Organic Preparations.** Three credit hours. Prerequisites: Ch 101, 102, 115. Library, conference, and laboratory work. Six hours of laboratory work per week.
153. **Advanced Inorganic Chemistry**. Two credit hours. Prerequisite: Ch 115. Two lectures.

154. **Advanced Inorganic Chemistry**. Two credit hours. Prerequisite: Ch 163. Two lectures.

160. **Biochemistry**. Four credit hours. Prerequisites: Ch 102 and 115. Two lectures and four hours of laboratory work per week.

190. **Journal Reading**. Two credit hours. Prerequisite: Junior classification. Introduction to the use of science literature. Discussion of minor chemical problems. Required readings and reports.

Admission to upper division Greek courses will require two units of high school Greek and the completion of one year of lower division work. A student having no high school Greek will be required to complete two years of lower division work. An exception will be made for English and History majors who wish to take Gr 181 and 185.

Upper division Latin courses will presuppose four units of high school Latin and one year of lower division work. A student who has only two units of high school Latin will be required to take two years of lower division work as a prerequisite for upper division work. An exception is made with regard to Lt 181 and 185 for English and History majors.

**Greek (Gk)**

1, 2. **Elementary Greek**. Eight credit hours. A course in Greek syntax with suitable readings for those beginning the study of Greek. Two semesters.

5, 6. **Introduction to Greek Literature**. Four or six credit hours. Prerequisites: Gk 1 and 2 or equivalent. An intensive course in syntax and selected readings as a preparation for a more extensive study of Greek. Two semesters.

7. **Xenophon**. Three credit hours. Prerequisites: Gk 1 and 2 or equivalent. Selections from the *Cyropaedia* or *Anabasis*.

8. **St. Luke**. Two credit hours. Prerequisites: Gk 1 and 2 or equivalent. A reading of the *Acts of the Apostles* and the *Gospel according to St. Luke*.

11. **Homer**. Three credit hours. Elements of the Homeric dialect and metre; the city of Troy; the Homeric Question. Readings from the *Iliad*.

12. **Herodotus**. Three credit hours. Prerequisites: Gk 1 and 2 or equivalent. Greek historiography. Lectures on the nine books of Herodotus' *History*. Book VII is read in Greek.

13, 14. **Greek Composition**. Two or three credit hours. A basic course in Greek composition. Two semesters.

17. **Xenophon and Lysias**. Two or three credit hours. Prerequisite: Gk 7 or equivalent.

18. **Homer**. Three credit hours. Prerequisite: Gk 7 or equivalent. Selected portions of the *Odyssey*.

21. **Plato**. Three credit hours. Prerequisite: two years of Greek. Plato's philosophy. Lectures on the *Dialogues*. The *Apology*, *Crito*, and *Phaedo* are read.

**Classical Languages**

The Greek and Latin languages are the direct media of acquaintance with unified ancient culture. Only in a study of the literature of both languages can a complete concept be had of the mythology and philosophy, as well as the oriental origins of this early western culture. The interrelationship of epic, drama, oratory, prose, and poetry reveals the intimate influence of the Greek mind on the Roman mind. It is desirable, therefore, that majors in either of these two languages lay their field of concentration in the Department of Classical Languages, thereby supporting the literature of one language with the literature of the other, and preserving the natural unity of their combined cultural content.

However, though such unity be a prime objective in the study of the Classical Languages, a student may choose one language as a major to the exclusion of the other and yet not lack breadth of educational aim. For in addition to the educational discipline of diction, structure, style, and the mental power of analysis found in the processes of translation, each language contains a complete literature, by which the student, inevitably contrasting the pagan mind with the Christian mind, cannot but find new values in Christian culture.

Selection of courses for a concentration major will be done with the advice of the Director of the Department.
123, 124. GREEK STYLE. Two credit hours. An advanced course in Greek prose composition illustrative of word usage and types of style. Two semesters.

23, 24. GREEK PROSE COMPOSITION. Two or four credit hours. General application and mastery of Greek syntax.

27. PLATO. Two or three credit hours. Plato's theory of ideas as illustrated in the *Euthyphro*, *Meno*, and *Phaedo*.

*Upper Division Courses*

101. LYSIAS. Three credit hours. Selected speeches of Lysias. Three entire speeches are read for structure and style.

102. ATTIC ORATORS. Three credit hours. The development of Attic prose and oratory as illustrated by selections from Lysias, Isocrates, Aeschines, and Demosthenes.

103. DEMOSTHENES. Three credit hours. The excellence of Greek oratory. The *Crown* is read.

104. DEMOSTHENES. Three credit hours. A continuation of Gk 103.

108. DEMOSTHENES. Three credit hours. Factors in the decline of Athens. Selections from the *Philippics* and the *Olynthiacs*.

113, 114. GREEK STYLE. Two credit hours. An advanced course in Greek prose composition for practical illustration of the elements of style. Two semesters.

123, 124. GREEK STYLE. Two credit hours. An advanced course in Greek prose composition illustrative of word usage and types of style. Two semesters.

131. GREEK LYRIC POETS. Three credit hours. Characteristics of Greek lyric poetry. Selections from Pindar, Bacchylides, and the *Melic* poets.

141. THUCYDIDES. Three credit hours. A study of the Sicilian expedition and the beginning of Attic prose. Books six and seven are read.

151. HOMER. The *Iliad*. Three credit hours. A study of the Greek epic. Books I to XII are read.

152. HOMER. The *Iliad*. Three credit hours. A comparative study of Latin, English, and Greek epics. Books XIII to XXIV are read.

161. SOPHOCLES. Three credit hours. A reading of the *Oedipus Tyrannus* or *Antigone* as types of Greek drama. Other selected plays of Sophocles.

162. EURIPIDES. Three credit hours. A study of the choral metres and the origin and development of Greek tragedy.

163. AESCHYLUS. Three credit hours. The development of the Greek drama. A reading of at least one play.

164. ARISTOPHANES. Three credit hours. A reading of the *Birds* or the *Frogs* with lectures on Greek comedy.

171. PLATO. Two credit hours. A critical appraisal of the first great *Utopia*. With the exception of one book, the whole *Republic* will be read in translation.

181. POLITICAL AND SOCIAL INSTITUTIONS OF ATHENS AND ROME. Three credit hours. Assigned readings in Latin, Greek, and English translation with lectures and discussions.

182. AESCHINES AND DEMOSTHENES. Three credit hours. The *Embassy* and the *Crown* are read as illustrations of the foreign policy of Athens during the time of Philip.

185. CLASSICAL ARCHAEOLOGY. Two credit hours. Lectures on the architecture, sculpture, ceramics, and domestic antiquities of Greece and Rome.

187, 188. HISTORY OF CLASSICAL LITERATURE. Four or six credit hours. A study of Greek and Latin literature for comparisons, contrasts, and influence.

199. SENIOR TUTORIAL COURSE. Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

**Latin (Lt)**

1. ELEMENTARY LATIN. No credit. An intensive study of syntax and selected readings for those beginning the study of Latin. Supplementary theme work. Four hours per week. Two semesters.

5. CICERO. Four credit hours. Prerequisites: Lt 1 and 2 or two units of Latin. Orations against Catiline with a review of syntax and practice in Latin prose composition.
6. **VERGIL.** Four credit hours. Prerequisite: Lt 5 or equivalent. Books I and II of the *Aeneid* are studied for metrical reading, translation, and some literary characteristics. Accompanied by exercises in Latin prose composition.

11. **Livy.** Three credit hours. Prerequisites: Lt 5 and 6 or equivalent. Books XXI and XXII are read for a study of Livy's style in contrast with that of the Ciceronian period. Discussion of Livy's reliability as an historian.

12. **Cicero.** Three credit hours. Prerequisites: Lt 5 and 6 or equivalent. The *Pro Milone* is studied with special attention to its rhetorical qualities. Discussion and analysis of Cicero's argument and logic.

13, 14. **Latin Composition.** Two credit hours. Arnold's *Latin Prose Composition.* Exercise I to XXIV or special composition exercises. Two semesters.

15, 16. **Latin Conversation.** Four credit hours. Practice in informal oral expression as an aid to the understanding of Latin lectures. Two semesters.

21. **Pliny and Seneca.** Three credit hours. Prerequisite: one year of college Latin. A comparative study of the letters of these Roman authors with reference to Roman life under the early emperors.

22. **Horace.** Three credit hours. Prerequisite: one year of college Latin. Selected *Odes* and *Epodes* are studied for the lyric qualities of Latin poetry. The influence of Horace on modern poets is discussed.

23. **Horace.** Three credit hours. A general introduction to the works of the poet, with a selected reading of examples from the *Sermones, Epistulae, Epodi,* and *Carmina* respectively.

25, 26. **Latin Conversation.** Two credit hours. Formal and informal oral expression in the Latin language. Two semesters.

29. **Cicero.** Three credit hours. Prerequisite: one year of college Latin. The historical settings and oratorical style of *Pro Marcello* and *Pro Ligario.*

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**Upper Division Courses**

101. **Roman Oratory.** Three credit hours. The excellence of Roman Oratory as illustrated in Cicero's *Pro Milone, De Oratore,* and *Orator;* Quintilian's *Institutio Oratoria;* St. Augustine's *De Doctrina Christiana, Liber Quartus.*

111. **Livy.** Two or three credit hours. A reading of Livy's *First or Third Decade.*

112. **Tacitus.** Two or three credit hours. A special study of Tacitus as an historian and stylist with readings from the *Agricola, Germania,* and the *Dialogus de Oratoribus.*

113, 114. **Advanced Latin Composition.** Two or four credit hours. Prerequisites: Lt 13 and 14. Arnold's Latin Prose Composition or equivalent. Exercises XXIV to L. Two semesters.

115, 116. **Latin Speech.** Two or four credit hours. An advanced course in formal and informal Latin speech employing the principles of Lt 118 and 119. Two semesters.

117. **Caesar and Sallust.** Two or three credit hours. Roman history and memoirs. The *Bellum Jugurthinum* and *De Bello Civili.*

118. **Roman Historians.** Two or three credit hours. The historical method and contributions of Roman historians with readings from Nepos, Caesar, Sallust, Livy, Tacitus, and Suetonius.

121. **Cicero.** Two or three credit hours. Readings from selected letters which reveal the personality and times of Cicero. Characteristics of classical epistolary style.

122. **Introduction to a Study of the Latin Fathers.** Three credit hours. Selections from Tertullian, Cyprian, Lactantius, Minucius Felix, Jerome, Ambrose, Augustine, Gregory, and Bernard.

123, 124. **Latin Style.** Two or four credit hours. Translations of standard English excerpts into Latin with special attention to the Latin period, use of metaphor, and other elements of style. Two semesters.

125, 126. **Latin Style.** Two or four credit hours. The writing of Latin essays with special attention to types of Latin style.

127. **Cicero.** Two or three credit hours. A study of Cicero as an essayist. *De Amicitia* and *De Senectute.*
128. **SENECA.** Three credit hours. Political and social life under the Caesars. Stoicism and Christianity. *Epistulae Morales* and selections from the *Moral Essays* of Seneca.

181. **HORACE.** Two or three credit hours. An intensive study of the *Odes*; meter and versification; sources and inspirations. Special attention to methods of teaching Horace.

182. **VERGIL.** Two or three credit hours. A study of pastoral and didactic poetry. *Eclogenae, Georgica*, and other early works of Vergil.

135. **EARLY CHRISTIAN POETS.** Three credit hours. A selection of fourth, fifth, and sixth century poems and hymns.

141. **HORACE.** Two or three credit hours. Characteristics of the Roman satire. The importance of the *Ars Poetica* in the field of literary criticisms.

142. **JUVENAL.** Two or three credit hours. Selections from the *Satires* of Juvenal.

151. **VERGIL.** Three credit hours. Prerequisite: Lt 5 or the equivalent. An intensive study of the literary qualities of the *Aeneid*, with special attention to methods of teaching the *Aeneid*. Discussion of Vergil's influence on English literature.

152. **VERGIL.** Three credit hours. A literary appreciation of the *Aeneid*. Books VII to XII are read.

161. **ANCIENT ROMAN COMEDY.** Two or three credit hours. Characteristics of Roman Comedy. The *Captivi* of Plautus and the *Phormio* or *Andria* of Terence are read.

171. **CICERO.** Two or three credit hours. A study of the philosophy of Cicero as revealed in *Disputationes Tusculanae* and *Somnium Scipionis*.

172. **CICERO.** Two or three credit hours. A study of the ethical principles of Cicero as illustrated in the *De Officiis*.

173. **CICERO.** Two credit hours. A discussion of his philosophical writings in their relation to the Greco-Roman philosophical schools. The dialogue, *de Finibus Bonorum et Malorum*, will be analyzed.

181. **POLITICAL AND SOCIAL INSTITUTIONS OF ATHENS AND ROME.** Three credit hours. Assigned readings in Latin, Greek, and English translation with lectures and discussions.


183. **CLASSICAL ARCHAEOLOGY.** Two credit hours. Lectures on the architecture, sculpture, ceramics, and domestic antiquities of Greece and Rome.

185, 186. **LATIN LITERATURE.** Four or six credit hours. A history of Latin literature from the beginning to the end of the second century, A.D. Lectures and readings from the authors. Two semesters.

187, 188. **HISTORY OF CLASSICAL LITERATURE.** Four or six credit hours. A study of Greek and Latin literature for comparisons, contrasts, and influence. Two semesters.

198. **SPECIAL STUDY.** Two credit hours. The content of the course varies from year to year with the needs and abilities of individual students. Usually the intensive study of a literary period, type, individual writer, historical epoch, or institutional activity will be prescribed.

199. **SENIOR TUTORIAL COURSE.** Two credit hours. A course of directed readings and undergraduate research required of all majors in their senior year.

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**Economics (Ec)**

In addition to the general and two-fold aim of instruction in theory and practice, the Department of Economics has the following specific objectives: to contribute to the cultural objectives and scope of a liberal education; to give a general but thorough knowledge and appreciation of economic life; to prepare majors for professional study in the field of business administration; to offer an undergraduate basis for graduate study in economics; to inform the student of Christian contributions to the solution of economic problems; to integrate the science of economics with principles of Christian culture and philosophy.

Ec 31, 32, 51, and 52 are introductory to upper division courses in economic theory and practice respectively. Concentration majors may place an emphasis either on economic theory or economic practice. They may, too, distribute the entire field of concentration equally between the two classifications. Majors will plan the distribution of their concentration courses with the advice of the Director of the Department.
1. **ECONOMIC RESOURCES.** Two or three credit hours. A study of natural resources, the history of their development, their geographical location, their industrial use, as a background for the study of economics.

2. **HISTORY OF COMMERCE.** Two or three credit hours. This course supplements the purpose of Ec 1. After a survey of ancient and modern commerce, the international economic factors are presented which have affected the development of the foreign and domestic commerce of the United States.

31. **ECONOMIC HISTORY OF THE UNITED STATES.** Two or three credit hours. The economic results of territorial expansion, growth of wealth and population, and other historic factors are surveyed for the purpose of understanding sectional interests, and the development of economic theories and institutions in the United States.

32. **PRINCIPLES OF ECONOMICS.** Three credit hours. A basic study of the production, distribution, and consumption of commodities; markets; theories of wealth, money, prices; distribution of income.

33, 34. **PRINCIPLES OF ECONOMICS.** *Evening Division.* Four credit hours. Two semesters.

50. **INTRODUCTORY ACCOUNTING.** *Evening Division.* Four credit hours.

51, 52. **INTRODUCTORY ACCOUNTING.** Six credit hours. Classification of accounts, negotiable instruments, adjustments and other accounting procedures are studied as an introduction to the commercial system of accounting. Two or three lectures, two hours of laboratory work. Two semesters.

*Upper Division Courses*

101. **CURRENT ECONOMIC PROBLEMS.** Three credit hours. The course presents the problems of extension of government, taxation, the business cycle, international business relations, labor, capital, monetary standards, unemployment, housing, and relief. Economic factors in proletariat and capitalistic dictatorships are analyzed.

103. **LABOR PROBLEMS.** Two or three credit hours. Labor organization; collective bargaining; labor movements; government and labor; employee and employer attitudes; types of labor and associated problems. The Papal Encyclicals.

104. **TRANSPORTATION.** Two or three credit hours. Survey of the history of transportation. Types of carriers. Regulations and policies. Principles of rate-making.
181. **ECONOMICS OF DISTRIBUTION.** Three credit hours. A study of the elements of distribution in a capitalistic economy. The topics include: Marketing functions; wholesaling; retailing; financing; transportation; the various types of retail institutions.

182. **PROBLEMS OF DISTRIBUTION.** Two or three credit hours. Prerequisite: Ec 181. The purpose of this course is to enlarge upon the economic questions presented in Ec 181. The problems include the spread between production costs and costs to consumers; types of wholesaling and retailing; survey of sales projects; finance of distribution; reduction of costs.

183. **SALESMANSHIP.** *Evening Division.* Two credit hours. The nature, scope, and development of selling with an analysis of principles and technique; the psychology of approach and presentation; the relation of the product to the market.

184. **SALESMANSHIP.** *Evening Division.* Two credit hours. Comprises actual classroom demonstrations to determine various sales appeals; to show the proper development of the sales presentation; the strategy of closing a sale and good will cultivation.

185. **SPECIALIZED SALESMANSHIP.** *Evening Division.* Two credit hours. An analysis of advanced problems in selling, with relation to the types of buying motives and classes of buyers; detailed study of selling organizations and of merchandising and sales campaigns.

186. **SALES MANAGEMENT.** *Evening Division.* Two credit hours. Responsibility of sales management to business and to society. Paying, selecting, and training salesmen. Assigning territory, sales plans, strategy, quotas, budgets, and costs. Sales wastes and inefficiencies. Co-ordination of sales effort with other departments.

187. **FOREIGN TRADE.** *Evening Division.* Two credit hours.

188. **FOREIGN TRADE.** *Evening Division.* Two credit hours.

189. **TRAFFIC MANAGEMENT.** *Evening Division.* Three credit hours.

190. **ADVERTISING.** Two or three credit hours. A non-technical study of the various types of advertising as factors in the economics of distribution.

191. **ADVERTISING.** *Evening Division.* Two credit hours. Basic principles of advertising; history and purposes of advertising; copywriting; visualization; art and layout; a comprehensive study of the mechanics of advertising involved in printing, type-setting, photo-engraving.

192. **ADVERTISING.** *Evening Division.* Two credit hours. A continuation of Ec 191. Scheduling of advertisements; selection and use of advertising media; complete campaigns.

193. **ADVANCED ADVERTISING.** *Evening Division.* Two credit hours. A thorough exposition of copy technique; writing copy; copy and layout.

194. **ADVANCED ADVERTISING.** *Evening Division.* Two credit hours. A continuation of Ec 193.

195, 196. **INTERMEDIATE ACCOUNTING.** Six credit hours. Prerequisite: Ec 51 and 52. This course treats of fundamental processes: working papers; statements; investments; tangible and intangible fixed assets; corrections and analyses. Two lectures, two hours of laboratory work. Two semesters.

197, 198. **INDUSTRIAL ACCOUNTING.** Four or six credit hours. Pre-requisites: Ec 151 and 152. A course of study in the control and cost of materials, labor, and other elements involved in industrial production. Cost systems and cost reports are examined and discussed. Two semesters.

199. **FEDERAL INCOME TAXATION.** Two or three credit hours. A study is made of revenue tax laws and principles of taxation. Practical problems for individuals, partnerships, estates, and corporations; preparation of tax returns. Gift and social security taxes.

200. **FEDERAL INCOME TAXATION.** Two or three credit hours. A continuation of Ec 199.

201, 202. **OHIO AND FEDERAL TAXATION.** Two credit hours. Capital stock, franchise, and other corporation taxes. Social security taxes. Property, inheritance, and gift taxes.

203. **GIFT, ESTATE, AND INHERITANCE TAXES.** *Evening Division.* Two credit hours.
161. **Survey of Accounting Systems.** Three credit hours. Prerequisites: Ec 151 and 152. This course is intended to supplement the study of the commercial system of accounting. It includes the systems used by banks, railroads, and government.

162. **Managerial Accounting.** Two or three credit hours. Sources of data and statistics are studied with reference to forecasting and the preparation of business budgets.

163. **Advanced Accounting Problems.** Evening Division. Three credit hours. Specialized accounting problems encountered in defalcations, reorganizations, consolidations, finance, and other fields are covered in this course.

164. **Auditing.** Evening Division. Three credit hours. Purpose and classes of audits; detailed procedure in the verification of original records; special consideration in the audit of cash; accounts receivable; inventories; plant; liabilities; capital stock and surplus; analysis of accounts and preparation of working papers; certified statements and reports.

165. **C. P. A. Review.** Evening Division. Three credit hours. Lectures in theory, auditing, practical accounting, and business law.

166. **C. P. A. Review.** Evening Division. Three credit hours. A continuation of Ec 155.

170. **Money and Banking.** Three credit hours. The purpose of this course is to acquaint the student with the theory of money and credit, banking structure in the United States, and the functions of banks.

172. **Corporation Finance.** Two or three credit hours. A study of the financial problems of the modern corporation from the viewpoints of the investor, the company, and the public.

173. **Public Finance.** Two or three credit hours. Taxation; fiscal systems; revenue; expenditure; indebtedness.

174. **Credits and Collections.** Evening Division. Three credit hours. Discusses problems of credit granting; analysis of information; ratios and control; the relation to the sales department; development of credit and collection system based on the needs of the business.

175. **Fire Insurance and Its Allied Lines.** Evening Division. Three credit hours. Hazards covered; legal transfer of risk; rates; types of carrier organizations; production; underwriting; adjustment of losses; prevention; cooperative organizations; governmental regulation and taxation.

176. **Casualty Insurance and Surety Bonding.** Evening Division. Two credit hours. Hazards covered; legal transfer of risk; rate; types of carrier organizations; production; underwriting; adjustment of losses; prevention; cooperative organizations; governmental regulation and taxation.

177. **Marine Insurance.** Ocean and Inland. Evening Division. Two credit hours.

178. **Inland Marine Insurance.** Evening Division. Two credit hours.

180, 182. **Business Law.** Four or six credit hours. A survey of the Anglo-American legal system with particular reference to the legal controls of business.

183. **Elementary Law and Contracts.** Evening Division. Three credit hours. Law defined; statutory and common law considered; form of law; the judicial system; administrative boards and commissions. Formations of contract; the interpretation, construction, operation, and discharge of contracts.

184. **Agency.** Evening Division. Three credit hours. Nature and formation of agency; the duties and rights arising out of agency; kinds of agencies; termination of relationship.

185. **Corporations.** Evening Division. Two credit hours. Creation and organization of private business corporations; stocks and stockholders; directors and officers; creditors; powers of a corporation; foreign corporations; trusts and monopolies; dissolution of corporations.

186. **Partnerships and Negotiable Instruments.** Evening Division. Two credit hours. Nature and formation of partnerships; rights and obligations of partners. Nature of negotiable instruments; bills of exchange; promissory notes and checks; elements essential to negotiability.

187. **Bailments, Carriers, and Sales.** Evening Division. Two credit hours. Definitions; rights and obligations of ordinary bailees; extraordinary bailees; bills of lading and warehouse receipts. Formation of contract of sale; performance of the contract.
188. **PROPERTY AND BANKRUPTCY. Evening Division.** Two credit hours. Real and personal property; acquisition of title; transfer by conveyance. History and purposes of bankruptcy legislation; acts of bankruptcy; duties and rights of bankrupt; discharge; general law of debtor and creditor.

195. **SOCIAL RECONSTRUCTION.** Two credit hours. The general problem of rebuilding the social order. The Catholic social movement. The Papal social program. Ineffective remedies. The state and social reconstruction. Practical programs of action. Given also as So 150.

199. **SENIOR TUTORIAL COURSE.** Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

### Education (Ed)

**Milford Division**

The purpose of the courses in Education is to provide for the required preparation of those who plan to teach in secondary schools. The courses are open to students of the Milford Division. The Department does not provide programs for undergraduate majors in Education.

101. **INTRODUCTION TO EDUCATION.** Two credit hours. A survey of the field of education for the purpose of orienting the student so as to enable him to pursue the courses in education with more profit.

102. **PRINCIPLES OF EDUCATION.** Three credit hours. Aims, materials, and methods. The four elements. Pupil differences. Modern educational tendencies. The value and use of tests.

110. **HISTORY OF EDUCATION.** Three credit hours. A brief survey of educational theory, institutions, and practice during ancient and modern times with special emphasis on contemporary education.

120. **PHILOSOPHY OF EDUCATION.** Three credit hours. The principles underlying Christian education. The relative values of different educational agencies and curricula when tested by these principles.

130. **CHARACTER EDUCATION.** Two credit hours. Hereditary and environmental factors. Ideals of conduct. Choices, motive, sanction, habit, emotion, and instinct.

141. **VERGIL'S Aeneid.** Three credit hours. Described as Lt 151.

142. **TEACHING OF LATIN IN SECONDARY SCHOOLS.** Two or three credit hours. This course treats of the objectives of secondary school Latin, methods of presentation, and devices to maintain interest. It consists of lectures and the teaching of classes by each student with subsequent class discussion.

145. **JESUIT METHODS OF TEACHING.** Two credit hours. A study of the Ratio Studiorum. Comparison with other modern methods of teaching.

150. **OBSERVATION OF TEACHING.** One credit hour. A systematic observation of classes taught in St. Xavier High School.

151. **STUDENT TEACHING.** Credit to be arranged. The teaching of thirty prepared recitations under the supervision of a critic teacher.

155. **HIGH SCHOOL ADMINISTRATION.** Three credit hours. The problems, aims, organization, and administration of public and private secondary schools. Faculty, student, and parent interrelationships. Teachers. Surveys and agencies.

### English (En)

During Freshman Week the freshman must take an English placement test. If this test reveals weaknesses in his use of language, he must register for FE (Fundamental English), a no-credit, remedial course designed to improve his reading habits, his writing, and his speech. If he does not need such a review, he is exempted from all FE sessions except those devoted to speaking in public and to debating.

Whether or not so exempted, the freshman must pass the semester and the mid-term tests in FE. An exempted student receives a syllabus designating the matter for these examinations. If a student averages less than C on the year's tests, he must, at the discretion of the director of the department, either repeat FE or complete En 3 and 4 (Rhetoric and Composition). Until he meets this requirement, he is ineligible for any other English course. Unsatisfactory work in FE, therefore, materially increases his graduation load, and makes it almost impossible for him to include English as a major or a minor in his field of concentration.

Throughout the student's years at Xavier expression will be emphasized not only in English classes but in all others. In evaluating
recitations, papers, and tests instructors are to consider errors in English, the assumption being that unless a student can effectively express his knowledge, he does not fully possess it. In exceptional cases even an upperclassman may be required to return to FE for corrective training.

As a sophomore, the student ordinarily enters En 31 and 32, which are prerequisite to all upper division courses in the department. During the year the various approaches to the understanding and the enjoyment of literature are set forth, and are applied to poems and to plays. In these the student considers the expository, the lyric, and the narrative elements, and should easily transfer the critical principles concerning them to the essay and the story.

For his upper division courses the student, particularly if he is majoring in English, should consult the director of the department, who will assist him in selecting courses that will best supplement his educational background.

F. E. FUNDAMENTAL ENGLISH. No credit. A corrective course for those who are deficient in the fundamentals of language. In addition to course assignments the student is directed in the composition of assignments for other departments. The work of freshman debating groups is integrated with this course.

1, 2. CORRECT ENGLISH. Evening Division. Four credit hours. An intensive course treating of syntax, spelling, punctuation, idiomatic usage, pronunciation, sentence structure, the paragraph, diction, and theme building. Two semesters.


5. NEWS WRITING. Two credit hours. A consideration of news, news sources, news values, and the methods of writing the various types of news stories.

6. NEWSPAPER REPORTING. Two credit hours. Methods employed by reporters in getting and reporting news.

7. THE ESSAY. Three credit hours. Prerequisite: A marked proficiency in composition. Practice in essay writing with lectures on the nature, types, and development of the essay. Readings in the essay literature of England and America.

21, 22. BUSINESS ENGLISH. Evening Division. Four credit hours. Fundamentals of correct and effective letter writing, types of business correspondence, and the making of business reports are surveyed and practiced.

31. POETICS. Three credit hours. This course reviews the principles of versification and the fixed forms. The nature of poetry, the kinds of poetical devices, and the means of critical evaluation are set forth, and are illustrated by readings from English and American authors.

32. THE DRAMA. Three credit hours. This course presents the principles and technique of the drama, the types of classic and of modern drama, the historical development of the forms, and the technique of the theatre. To illustrate these, representative plays of periods and types are read.

33, 34. SURVEY OF ENGLISH LITERATURE. Evening Division. Four credit hours. Two semesters.

Upper Division Courses

101. ADVANCED COMPOSITION. Three credit hours. This course is for students particularly interested in writing. Guidance will be given in organizing and expressing the results of investigation and of evaluation. In exceptional cases more creative work may be done. Methods of composition used in contemporary periodicals will be determined.

102. ADVANCED COMPOSITION. Three credit hours. A continuation of En 101.

103. EDITORIAL WRITING. Evening Division. Two credit hours. The function of the editorial, its place in the newspaper, the editorial writer's responsibility to society and his opportunity for constructive service; the editorial page and its make-up.

106. FEATURE ARTICLES. Evening Division. Two credit hours. A study of newspaper and magazine special feature articles, types, sources, titles, and illustrations.

111. AESTHETICS AND LITERARY CRITICISM. Three credit hours. The philosophical basis of aesthetics, the elements of taste, the aesthetic effects, critical standards, and a study of the schools of criticism will be presented.
112. **POETRY.** Three credit hours. For students who have not completed En 31. The several critical approaches to understanding and appreciating poetry will be surveyed and applied to selections from each of its types. Original poems will be required.

114. **DEVELOPMENT OF ENGLISH PROSE.** Three credit hours. The development of forms, of thought currents, and of style in English prose from Lyly to the present will be analysed.

116. **ORATORY.** Three credit hours. This course includes an historical survey of oratory, the analysis of some orations, and an outline of the theory of oratory. Practice in writing and delivering formal and informal addresses will be afforded.

120. **DEVELOPMENT OF THE DRAMA.** Three credit hours. For students who have not completed En 32. The evolution of the drama through its various periods, dramatic technique at present, and plays from the major dramatists will be included.

121. **MODERN DRAMA.** Three credit hours. This course will be confined to English and American Drama, with emphasis on reading. Influences and development are studied.

125. **THE SHORT STORY.** Three credit hours. This course presents the principles of story writing and the evolution of the American, the English, and the continental short story. The technique of the more important writers will be analyzed.

137. **WORLD LITERATURE.** Three credit hours. This course includes general studies, based on translations of standard works of Greek, Latin, Oriental, Italian, French, German, Spanish, and Russian literature.

139. **GREEK LITERATURE.** Three credit hours. This course summarizes the types, the periods, and the ideas of Greek literature. Selections in translation from Homer, the philosophers, the dramatists, the historians, and the lyric poets will be read.

141. **SURVEY OF ENGLISH LITERATURE.** Three credit hours. This course includes studies in the periods of English Literature, in the ideas presented, in the forms chosen to express these ideas, and in the life reflected by them.

142. **SURVEY OF ENGLISH LITERATURE TO 1750.** Three credit hours. Similar to En 141 but in much greater detail.

143. **SURVEY OF ENGLISH LITERATURE SINCE 1750.** Three credit hours. A continuation of En 142.

145. **CHAUCER.** Three credit hours. This course is intended to offer an analysis of *The Canterbury Tales* and their sources. A study of the language and life of fourteenth century England is offered with readings.

150. **SHAKESPEARE.** Three credit hours. This course is an introduction to the study of Shakespeare: his life, influences, sources, development. About ten representative plays will be studied, and others will be assigned for supplementary reading.

151. **SHAKESPEARE.** Evening Division. Three credit hours. Plays to be studied will be chosen from the periods during which Shakespeare composed his historical plays and his comedies.

152. **SHAKESPEARE.** Evening Division. Three credit hours. A continuation of En 151.

155. **MILTON.** Two or three credit hours. Milton's shorter poems, *Paradise Lost, Paradise Regained, Sampson Agonistes,* and some prose will be studied.

160. **THE EIGHTEENTH CENTURY.** Three credit hours. English neo-classicism, 1700 to 1750. The poetry, the rising periodical literature, the satire, the religious and political controversial literature, and the rise of the novel will be studied.

165. **VICTORIAN POETRY.** Three credit hours. English life and thought, 1830 to 1900, will be illustrated by the study of Tennyson, the Brownings, the Rossettis, Morris, Swinburne, Arnold, Meredith, and other poets.

166. **THE ROMANTIC MOVEMENT.** Three credit hours. English life and thought, 1750 to 1830. Readings from the forerunners of romanticism, from Burns, Blake, Cowper, Crabbe, Wordsworth, Coleridge, Keats, Byron, Shelly, and Scott, and from essayists, Lamb, Hunt, and Southey.

170. **VICTORIAN PROSE.** Three credit hours. A continuation of English 170 in purpose. Readings will be chosen from Carlyle, Ruskin, Newman, Arnold, Huxley, Dickens, and Thackeray. Lectures will survey the lesser essayists and novelists.
The Department of History and Political Science aims at a threefold purpose: (a) informational, assisting students to obtain an accurate knowledge of past events by a familiar use of the best secondary and primary sources; (b) disciplinary, developing intellectual perspicacity in an untiring quest for truth and critical acumen in evaluating evidence; (c) cultural, promoting an objective but sympathetic attitude toward personages and problems of various times; improvement of both taste and historical imagination.

MODERN PROSE. Two or three credit hours. This course is intended to acquaint students with representative English and American prose since 1900. Readings from the novel, the short story, the essay, the drama, and biography are chosen.

MODERN POETRY. Two or three credit hours. British and American poetry from the late nineteenth century to the present, with a study of influence on the twentieth century poetry, and an evaluation of movements and poets according to principles studied in En 31.

SURVEY OF AMERICAN LITERATURE. Three credit hours. Studies in the periods of American literature, in the ideas presented, in the forms chosen to express those ideas, and in the life reflected by them.

NEWMAN. The Idea of a University. Two credit hours. A study of Newman's position in the educational life of his times and after, of the philosophical basis of the Idea of a University, and of its literary and religious aspects.

MODERN CATHOLIC WRITERS. Two credit hours. A review of the work of the principal Catholic prose writers of England and America since Newman and Brownson.

CHESTERTON. Two credit hours. A study of the life and work of Gilbert K. Chesterton as a man of letters and as expositor of the Catholic Faith.

TUTORIAL COURSE. Credit to be arranged. A course of directed reading and undergraduate research for the writing of term-papers and other major assignments.

SENIOR TUTORIAL COURSE. Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

Speech (Ex)

The courses in speech are administered by the Department of English. No speech course, however, will be accepted in the Department of English as a substitute for any English course.

1. PRINCIPLES OF SPEECH. One to three credit hours. A study of elemental factors governing good speech content and speaking habits in address; organization and development of ideas; correct and distinct oral diction, vocal form, posture, platform manners.

History and Political Science

The Department of History and Political Science aims at a threefold purpose: (a) informational, assisting students to obtain an accurate knowledge of past events by a familiar use of the best secondary and primary sources; (b) disciplinary, developing intellectual perspicacity in an untiring quest for truth and critical acumen in evaluating evidence; (c) cultural, promoting an objective but sympathetic attitude toward personages and problems of various times; improvement of both taste and historical imagination.

Hs 1 and 2 are introductory in the Department and are required of all undergraduates except pre-medical students who may substitute Hs 5 and 6. Concentration majors should be planned with a certain unity; hence programs of history majors must be approved by the Director of the Department.

History (Hs)

1. MODERN EUROPE, 1500-1830. Three or four credit hours. The purpose of this course is to provide a background not only for work in history, but also in literature, philosophy, and the sciences. It is a comprehensive survey of the political, social, and economic history of Europe from the sixteenth century.

2. MODERN EUROPE, 1830-1939. Three or four credit hours. A continuation of Hs 1.

5. AMERICAN HISTORY TO 1865. Two or three credit hours. An examination of the influences which have shaped the social, economic, and political history of the United States from the colonial period to the end of the Civil War.
6. **American History Since 1865.** Two or three credit hours. A continuation of Hs 5. Discusses the personages and the movements which have contributed to a unified national life and the expansion of the United States as a world power.

**Upper Division Courses**

101. **Survey of Ancient History.** Three credit hours. Egypt, Babylonia, Assyria, Persia, the Greek city states, the Roman Republic and the Roman Empire. Social, economic, and constitutional developments receive special attention.

102. **Critical Periods in Ancient History.** Three credit hours. The achievements of the Age of Pericles, Plato, and the Sophists; Alexander and the spread of Hellenism; the Roman Republic and the Augustan Era. Emphasis is placed upon culture and literature.

111. **Early Middle Ages, 300-1300.** Two or three credit hours. The outstanding personages and events during the period when Europe became Christian. Social and economic trends are stressed.

112. **Late Middle Ages, 1300-1500.** Two or three credit hours. A continuation of Hs 111 with particular attention to the new secularism observable in the fourteenth and fifteenth centuries.

113. **English History to 1603.** Three credit hours. An explanation of the complex factors of English history from the earliest times to the death of Elizabeth with special reference to political events and social conditions.

114. **English History Since 1603.** Three credit hours. A continuation of Hs 113 with emphasis upon the struggle for constitutional government and the rise and effects of the Industrial Revolution.

115. **English Constitutional History.** Three credit hours. An examination of the development of the English constitution from Anglo-Saxon and the Norman times to the present. The evolution of the English Parliament.

116. **English Social and Economic History.** Three credit hours. Prerequisite: Hs 115. Beginning with an inquiry into English feudalism and the manor, a study is made of the nature of medieval commerce, the growth of towns, the effects of exploration, the Industrial Revolution and its transformations.

131. **History of Spain.** Three credit hours. The history of Spain from prehistoric times to the present day. Emphasis on cultural achievements.

134. **Latin America.** Three credit hours. A survey of the political and social history of Latin America since 1492.

141. **The American Colonies, 1492-1763.** Three credit hours. Discovery and exploration of North America; Spanish, French, and English settlements. Early political, economic, and social conditions in the colonies.

151. **The United States, 1763-1865.** Three credit hours. The American Revolution. The Confederation, and the Constitution. Washington, Hamilton, and the Federalists; Jefferson, Madison, and the Republicans; the era of Andrew Jackson; the slavery question; the Civil War.

152. **The United States, 1865-1936.** Three credit hours. Prerequisite: Hs 151. The problem of Reconstruction; westward expansion; the railroads; the developments in agriculture and industry; the rise of the cities; modern inventions and their influence upon American life, culture, and society. The United States becomes a world power.

161. **Constitutional History of the United States.** Three credit hours. A discussion of the American form of government from the end of the colonial period to the administration of Franklin D. Roosevelt.

171. **The Renaissance.** Two credit hours. The cultural achievements of European society between 1300 and 1600 with some attention to social and economic changes.

172. **The Protestant Revolt and the Catholic Reform.** Two credit hours. Prerequisite: Hs 171. The religious upheaval of the sixteenth century which destroyed the unity of Christendom; Lutheranism, Calvinism, Anglicanism; Zwingli and the Anabaptists; the Council of Trent and Catholic Reform.

181. **History of Russia.** Three credit hours. The history of Russia from the earliest times to the Bolshevist Revolution of 1918; Communist Russia under Lenin and Stalin.
187. **The World Since 1914.** Two or three credit hours. Beginning with a study of conditions which led to the World War, the course is concerned with the War and its effects, the peace treaties, the attempt to apply the principle of collective security by the League of Nations, the temporary triumph of democracy.

188. **The World Since 1914.** Two or three credit hours. A continuation of Hs 187 with interest directed to the growth of Communism in Russia, Fascism in Italy, and Nazism in Germany.

191. **Current History.** Two credit hours. The object of this course is to take up events of current interest and apply to them the methods of historical evidence and research.

192. **Current History.** Two credit hours. A continuation of Hs 191 with the same aims and methods.

199. **Senior Tutorial Course.** Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

**Political Science (Po)**

7. **American Government.** Three credit hours. The essential features and organization of national, state, and local government. The constitutional basis of government, federalism, the mechanisms of popular control, the legislative process, administrative organization and problems.

8. **American Government.** Three credit hours. A continuation of Hs 7.

**Upper Division Courses**

107. **Public Administration.** Two credit hours. A general survey of American governmental principles, and a study of the Federal Constitution and the organization and functions of the national government. The principles of state government; the relations of state and federal government.

108. **Political Parties.** Two credit hours. The development of political parties in the United States. Importance and operations of this extra-constitutional element in American government. State parties and practical policies in local government.

110. **Political Thought.** Three credit hours. A review of political ideas from Plato to Adolf Hitler, with emphasis on the more influential theorists. Required reading of sources.

**Mathematics (Mt)**

The courses in Mathematics are intended to aid in the development of exact and rigorous methods of thought; to give the student the mathematical background and preparation necessary in every field of science and business; to prepare for teaching or for graduate work in mathematics or science.

Mt 3, 4, and 6 are required as prerequisites for upper division courses. A concentration major must include Mt 151, 152, 153, 154, and 199.

D1. **Mechanical Drawing.** Two credit hours. Use of lettering; an introduction to orthographic projection. Six hours of drawing room practice each week.

D2. **Descriptive Geometry.** Four credit hours. The theory of projection drawing: orthographic, perspective, and pictorial. Problems in projection of points and lines, and problems involving planes. Intersection and development of surfaces. One lecture and nine hours of drawing room practice.

D4. **Mechanical Drawing.** Three credit hours. Working drawings. Detail and assembly drawings of simple machines or structures. Blue-printing from tracings.

1, 2. **Mathematics of Finance.** Six credit hours. Algebraic operations; logarithms; the principles of interest and discount with applications to annuities, amortization and sinking funds, capitalization, depreciation, valuation of bonds, life insurance, and allied topics. Two semesters.

3. **Trigonometry.** Three credit hours. Definitions of the trigonometric functions, their mutual relations; solution of right and oblique triangles; logarithms; trigonometric equations and identities; inverse functions; graphs of the functions; applications.

4. **College Algebra.** Three credit hours. Review of fundamental operations and principles; quadratic equations; systems of quadratics; variation; progressions; logarithms; permutations and combinations; probability; determinants; complex numbers; theory of equations; partial fractions.
6. **ANALYTIC GEOMETRY.** Three credit hours. Prerequisites: Mt 3 and 4. Cartesian and polar coordinates; loci and their equations; discussion of the properties of the straight line and of the conic sections.

7, 8. **TRIGONOMETRY, ALGEBRA, AND ANALYTIC GEOMETRY.** Six or eight credit hours. The subject matter is the same as Mt 3, 4, 6. There is additional instruction in the use of the slide rule.

32. **PLANE SURVEYING.** Three credit hours. Prerequisite: Mt 3. Elementary theory and practice with sufficient field work to insure familiarity with the ordinary surveying instruments and methods; mapping; solution of problems.

**Upper Division Courses**

111, 112. **THEORETICAL MECHANICS.** Six credit hours. Described as Ph 111 and 112.

124. **MATHEMATICAL STATISTICS.** Three credit hours. Prerequisites: Mt 1 and 2 or Mt 4. Representation of statistical data; averages; dispersion; correlation; skewness; sampling; the normal curve; empirical equations; applications.

142. **THEORY OF EQUATIONS.** Three credit hours. Determinants; systems of linear equations; theorems on the roots of equations; roots of unity; construction of roots; numerical solutions and symmetric functions.

151. **DIFFERENTIAL CALCULUS.** Three credit hours. Fundamental notions of variables, functions, limits, derivatives, and differentials; differentiation of the ordinary algebraic, exponential, and trigonometric functions with geometric applications to maxima and minima, curvature, inflexions and envelopes; Taylor's formula.

152. **INTEGRAL CALCULUS.** Three credit hours. The nature of integration; elementary processes and integrals; geometric applications to area, length, volume, and surface; partial derivatives and multiple integrals; use of infinite series in integration.

153. **ADVANCED CALCULUS.** Three credit hours. Prerequisite: Mt 152. Special topics in the differential and integral calculus.

154. **DIFFERENTIAL EQUATIONS.** Three credit hours. Prerequisite: Mt 152. Solution of ordinary differential equations; applications to geometry and physics. Solution in series.

161. **SOLID ANALYTIC GEOMETRY.** Three credit hours. An introductory treatment of the point, plane, straight line and surface of revolution; analysis of the general equation of the second degree; systems of coordinates.

162. **PROJECTIVE GEOMETRY.** Three credit hours. Line coordinates; principle of duality; metric and projective properties; double ratio; collineation and involution.

197. **SPECIAL READING AND STUDY FOR ADVANCED STUDENTS.** Credit to be arranged.

199. **SENIOR TUTORIAL COURSE.** Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

**Military Science (MS)**

There are two objectives in the sequence of courses offered by the Department of Military Science. The first of these objectives is to qualify the students for positions of leadership in time of national emergency. A second objective is to be found in the earnest endeavor of the Department to inculcate a knowledge of the duties and privileges of citizenship, as well as an interest in the history, traditions, and ideals of the American form of government. There are physical and mental benefits which constitute real and visible assets to the individual.

The complete program of instruction comprises two years of lower division or basic courses and two years of upper division or advanced courses. The technique of Motorized Field Artillery is the principal content of all courses.

The basic courses are designed to acquaint the student with the fundamentals of the arm; to develop initiative, confidence, and ability; to prepare for the instruction of untrained citizens in the duties of privates, corporals, and sergeants, and to train squads and sections for, and lead them in, combat.

The advanced courses qualify a limited number of selected students for commissions in the Officers' Reserve Corps. Admission to MS 101 will depend on the fulfillment of the following conditions:

a. The applicant shall have filed a request with the Director within the dates annually announced.
b. The applicant shall have completed MS 1, 2, 31, and 32. Equivalence of basic courses completed in some other arm will be determined by the Director.

c. The applicant shall have demonstrated exceptional qualities of leadership and scholarship.

d. The applicant shall have agreed to perform six summer-weeks of experimental work at camp after the completion of MS 101 and 102. This work must be done under designated military supervision.

e. The applicant must have a working knowledge of trigonometry and the use of logarithms.

Further information regarding all courses will be found in the Corps Regulations issued by the Department.


31, 32. **SECOND YEAR BASIC.** Four credit hours. Fire control instruments; battery communications; duties of the members of BC detail. Leadership. Operation and maintenance of Field Artillery motor transport. Two lectures, three hours of field work. Two semesters.

**Upper Division Courses**


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**Modern Languages**

The courses of the Department are in the French, German, and Spanish languages. The nature of the courses and their content are such as to secure the following sequence of objectives:

a. A reading knowledge sufficient to fulfill the lower division objective in the field of modern language.

b. A mastery of grammar and syntax, and an acquaintance with the elements of style as an immediate preparation for the study of literature. This objective will also include an ability to converse with correct pronunciation and natural inflexion.

c. A knowledge and appreciation of the literature of the language.

d. An acquaintance with the history and culture of the people from which the language comes.

Because a reading knowledge of at least one modern language is a prescribed objective of the lower division, a reading test will be given freshman students, who enter with two or more high school units in modern language, to determine whether or not their previous preparation will satisfy the requirement.

Freshman students will be required to take two semesters of reading courses.

Two years of lower division work or the equivalent will be required as a prerequisite to upper division courses. Majors and other students who take upper division courses in the Department of Modern Languages will be advised in the selection of courses by the Director.

**French (Fr)**

1. **READING COURSE.** Three or four credit hours. A systematically progressive course designed to give the student facility in reading such popular French reading matter as newspapers and magazine articles. The course will emphasize sight reading with only a minimum of grammar.

2. **READING COURSE.** Three or four credit hours. A continuation of Fr 1.

31. **INTERMEDIATE READING COURSE.** Three or four credit hours. A study of grammar and syntax with reading and composition as an introduction to upper division work.

32. **INTERMEDIATE READING COURSE.** Three or four credit hours. A continuation of Fr 31.
### Upper Division Courses

**101.** **Advanced Composition.** Two or three credit hours. An advanced course in syntax and composition.

**102.** **Advanced Composition.** Two or three credit hours. An advanced course in stylistics.

**121.** **Modern French Prose.** Three credit hours. The study of novels and short stories by modern prose writers: Erckmann-Chatrian, Bazin, Corneille, Chateaubriand and others.

**124.** **The Short Story.** Three credit hours. The reading and study of representative short story writers.

**131.** **Oratory.** Three credit hours. A study of French orators and their works: Bossuet, Bourdaloue, Massillon, and Fléchier.

**141.** **Poetry of the Nineteenth Century.** Three credit hours. Readings from Alfred de Vigny, Alfred de Musset, Lamartine, and others.

**152.** **Drama.** Three credit hours. A reading of dramas chosen from such authors as Corneille, Molière, Racine, and others.

**161.** **French Literature.** Three credit hours. French literature from early times to the close of the reign of Louis XIV.

**162.** **French Literature.** Three credit hours. French literature in the seventeenth, eighteenth, and nineteenth centuries.

**166.** **The Mystic Literature of France.** Three credit hours. A study of this type of literature from the time of the Council of Trent to the Encyclopedists.

**175.** **French Civilization.** Three credit hours. Medieval French society. Cultural tradition. Modern political and social institutions.

**181.** **Contemporary Catholic Writers.** Three credit hours. The Catholic spirit in French literature. The Catholic literary revival in France.

**199.** **Senior Tutorial Course.** Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

### German (Gr)

**1.** **Reading Course.** Three or four credit hours. A systematically progressive course designed to give the student facility in reading simple German. Elements in phonetics and grammar.

**2.** **Reading Course.** Three or four credit hours. A continuation of Gr 1.

**31.** **Intermediate Reading Course.** Three or four credit hours. This study is based on comprehensive readings of modern prose with special emphasis on vocabulary building, idioms, and grammar review.

**32.** **Intermediate Reading Course.** Three or four credit hours. A continuation of Gr 31.

**33.** **Scientific German.** Two or three credit hours. For students who wish to acquire a facility in the reading of scientific literature.

**34.** **Scientific German.** Two or three credit hours. Individual consultation. Outside reading and reports. The material to be read will be selected to suit the needs of the individual student.

### Upper Division Courses

**101.** **Advanced Composition.** Two or three credit hours. An advanced course in syntax and composition.

**102.** **Advanced Composition.** Two or three credit hours. An advanced course in stylistics.

**111.** **Modern German Literature.** Three credit hours. Selected works of representative writers since 1890. Gerhart Hauptmann, Thomas Mann, and others.

**112.** **Modern German Literature.** Three credit hours. A continuation of Gr 111.

**121.** **German Prose Writers.** Three credit hours. The study of novels and short stories by German prose writers: Freytag, Hauff, Herbert, Stifter, Novalis, Brentano, Eichendorff.

**152.** **The German Drama.** Three credit hours. Dramas of Goethe, Schiller, and Lessing, characteristics of the German drama with a survey of its development.
161. **GERMAN LITERATURE.** Three credit hours. The development, forms, and characteristics of German literature before the eighteenth century. Selected readings.

162. **GERMAN LITERATURE.** Three credit hours. The literature of the eighteenth and nineteenth centuries.

163. **SCHILLER.** Two credit hours. Schiller's life and works, and the literary movements of the nineteenth century are studied.

164. **GOETHE.** Two or three credit hours. Lectures and readings in Goethe's works, together with a study of his life and times.

199. **SENIOR TUTORIAL COURSE.** Two credit hours. A course of directed reading and research required of all majors in their senior year.

**Spanish (Sp)**

1. **READING COURSE.** Three or four credit hours. A systematically progressive course designed to give the student facility in reading such popular Spanish reading matter as newspapers and magazine articles. The course will emphasize sight reading with a minimum of grammar.

2. **READING COURSE.** Three or four credit hours. A continuation of Sp 1.

31. **INTERMEDIATE READING COURSE.** Three or four credit hours. A study of grammar and syntax with reading and composition as an introduction to upper division work.

32. **INTERMEDIATE READING COURSE.** Three or four credit hours. A continuation of Sp 31.

**Upper Division Courses**

101. **ADVANCED COMPOSITION.** Two or three credit hours. An advanced course in syntax and composition.

102. **ADVANCED COMPOSITION.** Two or three credit hours. An advanced course in stylistics.

121. **THE EARLY SPANISH NOVEL.** Two or three credit hours. A study of the early Spanish novel, including the *Novelas de Caballeras, Novelas de Amores,* and *Novelas Moriscas.*

123. **THE SPANISH NOVEL OF THE NINETEENTH CENTURY.** Two or three credit hours. An introduction to the romantic novel to be followed by a study of the *Novela de Transicion, Novela Realista,* and *Novela Naturalista,* with readings from Fernán Caballero, Alarcón, Pereda, Valera, Coloma, Pardo Bazán, and Valdés.

124. **THE SPANISH NOVEL OF THE TWENTIETH CENTURY.** Two or three credit hours. A study of the novel since 1900. Readings from Blasco Ibáñez, Valle-Inclán, Pío Baroja, Ricardo León, and others.

141. **EARLY SPANISH POETRY.** Two or three credit hours. A study of the *Petrarquistas* and *Tradicionalistas.* Escuela Salmantina and Escuela Sevillana. Gongorismo and Conceplismo.

142. **EIGHTEENTH CENTURY POETRY.** Two or three credit hours. A study of Moratín, Cadalso, Iriarte, Samaniego, Jovellanos, Quintana, Cienfuegos, and others.

143. **NINETEENTH CENTURY POETRY.** Two credit hours. The romantic poets, particularly, Martínez de la Rosa, Espronceda, Zorrilla, Bécquer, Campoamor, Núñez de Arce.

144. **MODERN SPANISH POETRY.** Two or three credit hours. Modernismo, Creacionismo, and Surrealismo. Casal, Rubén Darío, Chocano, Valencia, Lugones, Freyre, Herrera Reissig, Nervo, Rueda, and Unamuno will be read.

161. **Drama del Siglo de Oro.** Two or three credit hours. The drama of Spain's Golden Age. A special study of Lope de Vega, Alarcón, Tirso de Molina, and Calderón.

162. **THE DRAMA OF THE NINETEENTH CENTURY.** Two or three credit hours. After a brief introduction to the romantic drama, Gorostiza, Bretón de los Herreros, López de Ayala, Tamayo y Baus, Dicenta, Echegaray, Guimerá, and Galdós will be read.

154. **THE DRAMA OF THE TWENTIETH CENTURY.** Two or three credit hours. This course treats of Benavente, Linares Rivas, Marquina, Sierra, Álvarez Quintero, Arniches, Muñoz Seca, Gomez de la Serna.

161. **SPANISH LITERATURE.** Three credit hours. The period between the Crónicas and the Siglo de Oro.

162. **SPANISH LITERATURE.** Three credit hours. The period between the Siglo de Oro and the romantic movement.
31, 32. INTRODUCTION TO PHILOSOPHY. Evening Division. Four credit hours. The empirical study of the mind and its normative sciences. The theory of knowledge and the philosophy of man. The metaphysics of the physical world and of Infinite Being.

34. LOGIC. Two or three credit hours. The science of clearness, correctness, and order in the fundamental operations of the intellect. The course is integrated with Ex 1 so as to acquire habits of correct thinking.

Upper Division Courses

100. METAPHYSICS OF REALITY. Three credit hours. An analytic study of the ultimate principles of being, together with the theories of act and potency, good and evil, substance and accident, space, time, and causation.

105. METAPHYSICS OF MATTER. Three credit hours. An inductive philosophy which, accepting the discoveries of empirical sciences, establishes the hylomorphic construct of inorganic matter.

106. METAPHYSICS OF INFINITE BEING. Three credit hours. An inductive inquiry into the question of Infinite Reality and culminating in the philosophy of Infinite Being. A purely rational study of the nature and properties of Infinite Being.

111. PHILOSOPHY OF MAN. Three credit hours. On the basis of empirical psychology a philosophical analysis is made of an immaterial life-principle, of hylomorphic human nature, and of the unity of the human being.

112. PHILOSOPHY OF KNOWLEDGE. Three credit hours. The problems of truth, certitude, and error. The objective criteria and principles of knowledge. A critical evaluation of scepticism, idealism, ultra-realism, and associated theories of knowledge.

131. PRINCIPLES OF ETHICS. Three credit hours. A logical construct of the primary and secondary norms of human conduct on the basis of the philosophy of man and the metaphysics of Infinite Being.

132. INDIVIDUAL AND SOCIAL ETHICS. Three credit hours. A philosophical exposition of the rights and duties of the individual on the basis of ethical norms. Origin and theories of society. The social, economic, and political relationships of the individual.

151. PHILOSOPHY OF ANCIENT GREECE. Two or three credit hours. Derivations of pre-Socratic thought. The transition from romantic to the rationalistic world-view. Critical study of the Greek idealists. The philosophy of Aristotle.

152. THE RISE OF SCHOLASTICISM. Two or three credit hours. The post-Aristotelian systems. The philosophy of St. Augustine. The development of the Scholastic system. Albertus Magnus.

153. AQUINAS AND THE MODERN REACTIONS. Two or three credit hours. Scholastic philosophy as presented by St. Thomas Aquinas. Reactions in Bacon's inductive and Descartes' deductive systems. Idealism, pantheism, and empiricism.

175. SPANISH CIVILIZATION. Three credit hours. Early Spanish society. Cultural traditions. Political and social institutions of modern Spain.

199. SENIOR TUTORIAL COURSE. Two credit hours. A course of directed reading and research required of all majors in their senior year.
154. **KANT, KANTIANISM, AND EVOLUTION.** Two or three credit hours. Transitional stages from German idealism to materialism. The positivistic attitude. Pragmatism and evolution. Neo-scholastic reaction.


185. **Summa Contra Gentiles.** Two credit hours. A reading and discussion of this work of St. Thomas Aquinas.

190. **ADVANCED STUDY.** Credit to be arranged. Directed reading in some field of philosophy for advanced students.

199. **SENIOR TUTORIAL COURSE.** Two credit hours. A course of directed reading and research required of all majors in their senior year.

**Physics (Ph)**

The educational benefits to be derived from a study of the science of physics are training in scientific method, acquaintance with the historical development of physical science, and a knowledge of the applications of physical laws which play so large a part in modern life. In the lower division courses emphasis is laid on the intelligent comprehension of basic principles rather than on description of interesting applications. The upper division courses are intended as a preparation for science teaching or for graduate work in the physical sciences.

As an introduction to upper division work in the Department of Physics, concentration majors will be required to complete Ph 3, 4, Ch 3 and 4. Ph 1 and 2 may be counted toward a science requirement but not as a preparation for a science major. A working knowledge of the differential and integral calculus must be acquired during the first year's work in the major. With the approval of both departments, courses in physical chemistry to the extent of six credit hours may be counted toward the major.

1. **INTRODUCTION TO PHYSICAL SCIENCE.** Four credit hours. A study of the basic laws and principles of physics with their applications in the modern world. Stress is put on the cultural aspects of the subject rather than on technical details. Three lectures, two hours of laboratory.

2. **INTRODUCTION TO ASTRONOMY AND EARTH SCIENCE.** Four credit hours. An introductory course designed to acquaint the student with the fundamental phenomena, laws, and processes in the physical universe. Three lectures, two hours of laboratory.

3, 4. **GENERAL PHYSICS.** Eight credit hours. Mechanics, molecular physics, heat, sound, light, magnetism, electricity, and radiation. Three lectures, one quiz, and two hours of laboratory. Two semesters.

6. **PHYSICS SURVEY. Milford Division.** Two credit hours. Cultural interpretations of the science of physics.

7. **METEOROLOGY AND NAVIGATION.** Four credit hours. Theoretical and practical treatment of meteorology and navigation of aircraft.

**Upper Division Courses**

107. **AERODYNAMICS AND NAVIGATION.** Six credit hours.

111, 112. **THEORETICAL MECHANICS.** Six credit hours. Elementary theory of the statics, kinetics, and dynamics of particles and rigid bodies. Two semesters.

121. **HEAT.** Three credit hours. The thermal properties of matter; theory of heat conduction; kinetic theory of matter; introduction to thermodynamics.

142. **PHYSICAL OPTICS.** Three credit hours. Lectures and experimental demonstrations dealing with the phenomena of reflection, refraction, diffraction, interference, polarization, dispersion, and spectroscopy.

151. **ELECTRICITY AND MAGNETISM.** Three credit hours. A lecture course giving a mathematical treatment of the theory and applications of electricity and magnetism.

162. **INTRODUCTION TO MODERN PHYSICS.** Three credit hours. Lectures and discussions of some of the more important concepts of physics with special emphasis on recent developments.

To supply an essential requirement in the cultural development of the trained man; to provide a fair acquaintance with concepts necessarily employed in the social sciences; to give point and direction to the efforts of the learner along the line of self-management: these are the aims of the group of courses in this Department.

The study of human nature is not the least important element in the mental acquisitions of a cultured man, not only because of the intrinsic worth of such discipline, but also because of the many and unavoidable applications of the same in the fields of ethics, social endeavor, and everyday practical life. The balance of personality and judgment possessed by the truly cultivated man is derived in large measure from the self-knowledge which is made possible by a fair understanding of human nature. That this study should regularly include the course in the Philosophy of Man (Pl 111) is the conviction shared by the best Neo-scholastic tradition.

While psychology is not offered as a concentration major, enough scope is possible within the course offerings to round out a social science major.

Ps 31 is a basic requirement in all curricula and is a prerequisite for all other courses in psychology.

Upper Division Courses

101. Psychology of Childhood. Two or three credit hours. The developmental stages of motor and mental abilities. Habit-formation, discipline, and instruction. Social behavior and personality adjustment.


132. Applied Psychology. Two or three credit hours. A continuation of Ps 131.


145. Social Psychology. Two or three credit hours. Social tendencies and behavior. Social institutions and the individual. Cooperativeness, imitation, public opinion. Social control and order.

151. Modern Psychological Problems. Two or three credit hours. Development of modern psychological thought from Descartes and Locke. Relations of psychology and modern sciences. Psychological fads; mental healing.
MODERN PSYCHOLOGICAL PROBLEMS. Two or three credit hours. A continuation of Ps 151.

FOUNDATIONS OF PERSONALITY. Two or three credit hours. The dynamic foundations of personality. The role of instinct and emotion. The Ego-problem and personal identity.

PERSONALITY PROBLEMS. Two or three credit hours. Special attention to the problem of self-determination in relation to the environment.

INTRODUCTION TO PSYCHOLOGY OF RELIGION. Two credit hours. The object, method, and recent evolution of religious psychology. The nature and psychical structure of religious experience, and its relation to other psychical experiences, individual and social, normal and abnormal.

Religion (RI)

It is a basic principle of Jesuit education that the moral and religious training of youth must go hand in hand with intellectual development. It is not enough merely to integrate fields of knowledge with religion by the introduction of religious and spiritual points of view. Formal instruction is also necessary if the student is to have a religious knowledge adequate for Catholic life and leadership.

Catholic students will be required to complete eight credit hours of Religion in the lower division. These courses will ordinarily be RI 11, 12, 31, and 32. Freshmen who have not had formal religious instruction during high school will take RI 1 and 2 in place of RI 11 and 12.

In keeping with the religious purpose of the College, non-Catholic students will be required to take RI 3 and 4. The content of these courses is such as to meet the desire for religious instruction without the elements of controversy.

All students will be required to complete eight credit hours in Christian Culture courses.

1. FOUNDATIONS OF CHRISTIANITY. Two credit hours. A résumé of the rational foundations of Christianity, the nature of man, and the necessity of religion.

2. AUTHORITY OF THE CHURCH. Two credit hours. An explanation of the divine origin of the Catholic Church and its infallible authority to teach in matters of faith and morals.

3. FOUNDATIONS OF NATURAL RELIGION. Two credit hours. An approach to religion in the light of reason. Survey of history of religion. The principles of certitude, the existence of God, the nature of man, the necessity of religion, moral responsibility. (Required of non-Catholic students.)

4. CHARACTER FORMATION. Two credit hours. The nature of the will, principles, motives, proper choice and incultation of ideals; habits, their making and unmaking; case-records. (Required of non-Catholic students.)

5. AN INTRODUCTION TO THE OLD TESTAMENT. Two credit hours. Content, divisions, authorship, specific purpose, and literary form of the historical, poetical, didactic, and prophetic books. Natural and supernatural revelation; biblical inspiration. Canon of Old Testament and rules of interpretation. Selected readings.

6. AN INTRODUCTION TO THE NEW TESTAMENT. Two credit hours. The authorship, distinctive pattern, purpose, message, and style of the four Evangelists; similarities and divergences. The Acts of the Apostles and selections from the Epistles. Problems of critical text and accurate translation.

7. CHRISTIAN ORIGINS. Two credit hours. Prerequisite: Previous religious training in high school. Philosophical and historical foundation of the truths of Christianity. Proofs of the existence of God, the insufficiency of natural religion, the probability and signs of revelation, and the historical value of the Gospels.

8. THE CHURCH. Two credit hours. Prerequisite: RI 11. The divine authority of the Church of Christ proved by arguments drawn from history and reason. The claims of Christ to divinity, the establishment of His Church, its divine authority, characteristics and identification; the government of the Church, papal primacy and infallibility. The act of faith and the virtue of faith.

9. AUTHORITY OF THE CHURCH. Two credit hours. An explanation of the divine origin of the Catholic Church and its infallible authority to teach in matters of faith and morals.

10. INTRODUCTION TO PSYCHOLOGY OF RELIGION. Two credit hours. The object, method, and recent evolution of religious psychology. The nature and psychical structure of religious experience, and its relation to other psychical experiences, individual and social, normal and abnormal.

11. CHRISTIAN ORIGINS. Two credit hours. Prerequisite: Previous religious training in high school. Philosophical and historical foundation of the truths of Christianity. Proofs of the existence of God, the insufficiency of natural religion, the probability and signs of revelation, and the historical value of the Gospels.

12. THE CHURCH. Two credit hours. Prerequisite: RI 11. The divine authority of the Church of Christ proved by arguments drawn from history and reason. The claims of Christ to divinity, the establishment of His Church, its divine authority, characteristics and identification; the government of the Church, papal primacy and infallibility. The act of faith and the virtue of faith.

15, 16. A STUDY OF CHRIST. Two or four credit hours. A study of the Gospel texts, exegesis of passages, geography and customs of Palestine in relation to events in the life of Christ; comparative study of various commentators, ancient and modern.
CREATION AND REDEMPTION. Two credit hours. Prerequisite: One year of college religion. A rational explanation of revealed truth concerning the nature of God. The creation of the universe, the theory of evolution as an explanation of its origin; the origin, elevation, and fall of man. The Incarnation, Christ's Redemption of the human race, the fruits of His life and death applied to the individual by grace. Actual and habitual grace.

THE SACRAMENTS. Two credit hours. Prerequisite: RI 31. The meaning, number, condition of validity, effects, and the necessity of the Sacraments in general. The Sacraments in particular. Special emphasis is given to the understanding, appreciation of, and the manner of participating in the Holy Sacrifice of the Mass.

THE FAMILY. Two or three credit hours. A study of the history, development, social needs, and normal standards of family life. The problems of divorce and birth control in relation to family stability. The family, the state, and the Church. Given as So 126.

MENTAL HYGIENE. Two or three credit hours. The problem of prevention of mental disorder. The mental hygiene movement. Normality, conflict, adjustment. The neurotic personality and personality problems. Self-control and the contented life. Given as Ps 134.

EARLY CHRISTIAN POETS. Three credit hours. A selection of fourth, fifth, and sixth century poems and hymns. Given as Lt 135.

REBUILDING THE SOCIAL ORDER. Two credit hours. An analysis and discussion of the papal encyclicals on the condition of the working classes and the reconstruction of the social order. Given as So 150 and Ec 195.

The Mystic Literature of France. Three credit hours. A study of this type of literature from the time of the Council of Trent to the Encyclopaedists. Given as Fr 166.

THE PROTESTANT REVOLT AND THE CATHOLIC REFORM. Two credit hours. The religious upheaval of the sixteenth century which destroyed the unity of Christendom; Lutheranism, Calvinism, Anglicanism; Zwingli and the Anabaptists; the Council of Trent and Catholic Reform. Given as Hs 172.

INTRODUCTION TO PSYCHOLOGY OF RELIGION. Two credit hours. The object, method, and recent evolution of religious psychology. The nature and psychical structure of religious experience, and its relation to other psychical experiences, individual and social, normal and abnormal. Given as Ps 172.

CONTEMPORARY CATHOLIC WRITERS IN FRANCE. Three credit hours. The Catholic spirit in French literature. The Catholic literary revival in France. Given as Fr 181.


SUMMA CONTRA GENTILES. Two credit hours. A reading and discussion of this work of St. Thomas Aquinas. Given as Pl 185.
190. **Newman. The Idea of a University.** Two credit hours. A study of Newman's position in the educational life of his times and after, of the philosophical basis of the *Idea of a University*, and of its literary and religious aspects. Given as En 190.

191. **Modern Catholic Writers.** Two credit hours. A review of the work of the principle Catholic prose writers of England and America since Newman and Brownson. Given as En 191.

192. **Chesterton.** Two credit hours. A study of the life and work of Gilbert K. Chesterton as a man of letters and as expositor of the Catholic Faith. Given as En 192.

193. **The Church and Science.** Two credit hours. The relations between the Church and the scientific world. The question of the incompatibility of religion and science. The Church’s contributions to science. The philosophy of science. Given as Bl 193.


**Sociology (So)**

The courses in the Department of Sociology are planned to meet the need of intelligent interest in the social structure; to acquaint the student with the problems of the social order; to correlate in the student mind the purposes and work of social agencies; to test proposed programs of reform and reconstruction in the light of science, philosophy, and religion; to prepare concentration majors for graduate and professional study in the fields of sociology and social work.

So 31 and Ec 32 are introductory to upper division courses. Concentration majors should support their courses in sociology with courses in the departments of philosophy, psychology, economics, and history under the direction of the Department of Sociology.

126. **The Family.** Two or three credit hours. A study of the history, development, social needs, and normal standards of family life. The problems of divorce and birth control in relation to family stability. The family, the state, and the Church.

132. **Individual and Social Ethics.** Three credit hours. The application of the general principles of ethics to particular, individual, and social rights and obligations; the right to life, honor, property; the rights and obligations of domestic society, marriage and divorce; civil society, its nature and forms; the rights of civil authority; Church and State; the ethics of international relations, peace and war. Given as PI 132.

134. **Social Ethics.** Three credit hours. An application of Christian ethics to economic phenomena and the social life of man. The social aspect of property and labor. Contractual relationship; woman's rights; capital and labor; strikes, lockouts and boycotts; public ownership and control; monopolies and modern finance; public health, control and education, traffic, etc.

140. **Educational Sociology.** Two credit hours. The school as a social institution. The relation of education to economics, social and political change.


149. **Senior Tutorial Course.** Two credit hours. A course of directed reading and research required of all majors in their senior year.

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**Statistics**

Commencement, June 5, 1940

**INVOCATION** ................... Rt. Rev. Msgr. Robert J. Sherry

**Valedictory** ................... John James Bruder, '40

**Commencement Address** ........... President Dennis F. Burns, S.J.

**Announcements** ................. The Most Rev. John T. McNicholas, Archbishop of Cincinnati

**Academic and Military Awards**

*Downtown College*

The Jesuit Centennial Essay, first place .......... Dorothy M. Coyle
The Accounting Award ....................... Herbert L. Bill
The Kappa Sigma Mu Accounting Award .. Lawrence P. Haverkamp
The Philosophy Award ....................... John B. Connaughton
The Kasimu Academic Award .................. Robert J. Partusch
The English Award ................................ Alma R. Cunningham
The Kasimu Membership ..................... Helen E. Blessinger

*Evanston Division*

The Senior Philosophy Medal ........ Jerome Marcellus Graham, '40
The Junior Philosophy Key ................. Joseph Henry Schuster, '41
The Religion Medal ......................... Irvin Franklin Beumer, '41
The Freshman-Sophomore Religion Key .. James Leahy Lemkuhl, '42
The English Award ......................... Jerome Marcellus Graham, '40
The Latin Medal ................................ Edward Aloysius Foy, '40
The French Award .......................... Robert Matthew Weber, '41
The German Award ......................... Paul Joseph Centner, '40
The Biology Key ............................. James Joseph Clear, '40
The Alpha Chi Sigma Award ................. Russell Norman Clark, '42
The Alpha Chi Sigma Award ................ Robert Anthony Benkeser, '42
The Military Scholarship Award . William John Francis Roll, Jr., '41
The Oratorical Medal ......................... William Leo Blum, '42
The Debate Medal ................................. Melvin Joseph Tepe, '40
The Intramural Debating Award .......... Robert Edward Inkrot, '40

**Certificates and Commissions**

**Certificates and Commissions, Field Artillery, O.R.C., U.S.A.**

Bernard Lawrence Baumann Raymond John Bockertette
Paul Clement Beckman .......................... John James Bruder
Leonard Alfred Bernens .................... Bernard Joseph Brungs
Degrees in Course

**Milford Division**

**BACHELOR OF LITERATURE**

Albert Jerome Clifford, S.J., *cum laude*
Joseph Joel de Vault, S.J., *magna cum laude*
Delmar Robert Douch, S.J.
John Joseph Drolet, S.J.
Vincent Cornelius Horrigan, S.J., *magna cum laude*
Louis Stephen Kaluszka, S.J.,
Daniel Joseph Sullivan, S.J.

**BACHELOR OF SCIENCE IN COMMERCE**

Bernard Lawrence Baumann
Herbert Carl Beckert
Leonard Alfred Bernens
Robert William Berling
Charles Joseph Blunt
Andrew Ramon Craffey
Albert William Efkeman, *cum laude*
Otto Charles Ernst, Jr.
Eric Joseph Espel, *cum laude*
Stanley Aloysius Flick
Albert William Geselbracht
Robert Paul Goesling
Robert Joseph Goldcamp
Edward Henry Willenborg

**BACHELOR OF ARTS,** in absentia

Sister Mary of St. Tarcisius Blust, R.G.S.
Sister Mary St. John Evangelist De Gries, R.G.S.
Sister Mary John of the Cross Heilbock, R.G.S.
Sister Mary of St. Sylvester Killoran, R.G.S.
President of the University

DOCTOR OF LETTERS

George Hermann Derry

Degrees Conferred August 3, 1940

BACHELOR OF ARTS

Paul Clement Beckman
John James Bruder,
summa cum laude
Bernard Joseph Brungs
Francis Philip Burke
Edward Aloysius Foy

Jerome Marcellus Graham
Elmer Joseph Gruber
Melvin Joseph Tepe
Richard John Weingartner
Raymond John Wilson, Jr.
John Walter Woestman,
cum laude

Degrees, causa honoris

DOCTOR OF LAW

Hulbert Taft

DOCTOR OF LETTERS

George Hermann Derry

BACHELOR OF SCIENCE IN COMMERCE

Harry Alexander Burke

BACHELOR OF PHILOSOPHY

James Beard Rees

Presidents of the University

Year President
1840-47 Rev. J. A. Elet, S.J.
1847-48 Rev. J. E. Blox, S.J.
1848-51 Rev. J. De Blieck, S.J.
1851-53 Rev. George A. Carrell, S.J.
1853-56 Rev. I. Boudreaux, S.J.
1856-61 Rev. M. Oakley, S.J.
1861-65 Rev. John Schultz, S.J.
1865-69 Rev. W. H. Hill, S.J.
1869-71 Rev. Thomas O'Neil, S.J.
1871-74 Rev. Leopold Bushart, S.J.
1874-78 Rev. Edward A. Higgins, S.J.
1878-79 Rev. Thomas O'Neil, S.J.
1879-81 Rev. R. J. Meyer, S.J.
1881-84 Rev. John I. Coghlan, S.J.
1884-85 Rev. Henry Moeller, S.J.
1885-87 Rev. Edward A. Higgins, S.J.
1887-93 Rev. Henry Schapman, S.J.
1893-96 Rev. A. J. Burrows, S.J.
1896-1900 Rev. Michael J. O'Connor, S.J.
1900-07 Rev. Albert A. Diercke, S.J.
1911-16 Rev. Francis Heiermann, S.J.
1922-26 Rev. Hubert S. Brockman, S.J.
1926-30 Rev. Hugo F. Sloctemeyer, S.J.
1934-40 Rev. Dennis F. Burns, S.J.
1940- Rev. Celestin J. Steiner, S.J.

BACHELOR OF SCIENCE

Harry Alexander Burke

BACHELOR OF PHILOSOPHY

James Beard Rees

THE ALUMNI ORATORICAL MEDAL

Year Winner
1918 John B. Hardig
1919 No Contest
1920 No Contest
1921 John C. Danahy
1922 Leo J. Grote
1923 James J. O'Grady
1924 Thomas J. Manion
1925 James C. Glenn
1926 George Murray Paddock
1927 Carl R. Steinbicker
1928 Edward J. McGrath
1929 Morse J. Conroy
1930 William J. Wise
1931 Edward A. C. Doering
1932 Alvin E. Ostholthoff
1933 Robert J. Helmick
1934 Charles S. Blase
1935 James E. Shaw
1936 Leonard C. Gartner
1937 Vincent Edward Smith
1938 G. Daniel Bruch
1939 Phillip Kevin Horrigan
1940 William Leo Blum
1941 Frank Welsh Burke

THE VERKAMP DEBATE MEDAL

Year Winner
1902 Charles H. Schroder
1903 Charles H. Schroder
1904 William A. Dowd
1905 William A. Dowd
1906 Francis A. Nurre
1907 Nicholas J. Hoban
1908 Vincent L. Gallagher
1909 William V. Schmiedecke
1910 James W. O'Hara
1911 Paul J. Sweeney
1912 Paul J. Sweeney
1913 Herbert G. Ehring
1914 James E. O'Connell
1915 Charles H. Purdy
1916 John E. Reardon
1917 Raymond J. McCoy
1918 James J. O'Grady
1919 No Contest
1920 No Contest
1921 John C. Danahy
1922 Leo J. Grote
1923 James J. O'Grady
1924 Thomas J. Manion
1925 James C. Glenn
1926 George Murray Paddock
1927 Carl R. Steinbicker
1928 Edward J. McGrath
1929 Morse J. Conroy
1930 William J. Wise
1931 Edward A. C. Doering
1932 Alvin E. Ostholthoff
1933 Robert J. Helmick
1934 Charles S. Blase
1935 James E. Shaw
1936 Leonard C. Gartner
1937 Vincent Edward Smith
1938 G. Daniel Bruch
1939 Phillip Kevin Horrigan
1940 William Leo Blum
1941 Frank Welsh Burke
Intercollegiate Latin Essay Contest

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<td>Herman H. Herzog</td>
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<td>1911-12</td>
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<td>1920-21</td>
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<td>Thomas Gaines</td>
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<td>1922-23</td>
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<td>Francis A. Arlinghaus</td>
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Intercollegiate English Essay Contest

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<td>Year</td>
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<td>Vincent E. Smith</td>
</tr>
<tr>
<td></td>
<td>Seventh</td>
<td>Edward J. Kennedy, Jr.</td>
</tr>
<tr>
<td>1938-39</td>
<td>Tenth</td>
<td>Jerome M. Graham</td>
</tr>
<tr>
<td>1939-40</td>
<td>Ninth</td>
<td>Jerome M. Graham</td>
</tr>
<tr>
<td></td>
<td>Tenth</td>
<td>John J. Bruder</td>
</tr>
<tr>
<td>1940-41</td>
<td>Fifth</td>
<td>Robert G. Kissel</td>
</tr>
</tbody>
</table>
Register of Students

1940-1941

Key of Symbols
E, College of Liberal Arts at Evanston; M, College of Liberal Arts at Milford; D, Downtown College, Evening Division; Ms, Summer Session, 1940, Milford; Es, Summer Session, 1940, Evanston; 1, Freshman; 2, Sophomore; 3, Junior; 4, Senior; U, Unclassified.

118

119
Summary of Enrollment
1940-1941

Regular Session

<table>
<thead>
<tr>
<th>College of Liberal Arts, Evanston:</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tbody>
<tr>
<td>Seniors</td>
<td>56</td>
<td>0</td>
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<tr>
<td>Juniors</td>
<td>88</td>
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<td>88</td>
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<tr>
<td>Sophomores</td>
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<tr>
<td>Freshmen</td>
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<tr>
<td>Unclassified</td>
<td>47</td>
<td>3</td>
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<thead>
<tr>
<th>College of Liberal Arts, Milford:</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tbody>
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<td>Seniors</td>
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<tr>
<td>Juniors</td>
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<td>0</td>
<td>21</td>
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<tr>
<td>Sophomores</td>
<td>28</td>
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<td>28</td>
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<td>Freshmen</td>
<td>27</td>
<td>0</td>
<td>27</td>
</tr>
<tr>
<td>Unclassified</td>
<td>10</td>
<td>0</td>
<td>10</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Downtown College</th>
<th>Men</th>
<th>Women</th>
<th>Total</th>
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<tbody>
<tr>
<td>Evanston</td>
<td>50</td>
<td>4</td>
<td>54</td>
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<tr>
<td>Milford</td>
<td>95</td>
<td>0</td>
<td>95</td>
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<tr>
<td>Grand Total</td>
<td>1187</td>
<td>483</td>
<td>1670</td>
</tr>
<tr>
<td>Duplications</td>
<td>98</td>
<td>0</td>
<td>98</td>
</tr>
<tr>
<td>Net Total</td>
<td>1089</td>
<td>483</td>
<td>1572</td>
</tr>
</tbody>
</table>

Summer Session, 1940

| Evanston                          | 50  | 4     | 54    |
| Milford                           | 95  | 0     | 95    |
| Grand Total                       | 1187| 483   | 1670  |
| Duplications                      | 98  | 0     | 98    |
| Net Total                         | 1089| 483   | 1572  |
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Jesuit Educational Association
Colleges and Universities

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Spring Hill College, Spring Hill

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Loyola University, Los Angeles
University of Santa Clara, Santa Clara
University of San Francisco, San Francisco

COLORADO
Regis College, Denver

DISTRICT OF COLUMBIA
Georgetown University, Washington

ILLINOIS
Loyola University, Chicago

LOUISIANA
Loyola University, New Orleans

MARYLAND
Loyola University, Baltimore

MASSACHUSETTS
Boston College, Boston
Holy Cross College, Worcester

MICHIGAN
University of Detroit, Detroit

MISSOURI
Rockhurst College, Kansas City
St. Louis University, St. Louis

NEBRASKA
The Creighton University, Omaha

NEW JERSEY
St. Peter's College, Jersey City

NEW YORK
Canisius College, Buffalo
Fordham University, New York

OHIO
John Carroll University, Cleveland
Xavier University, Cincinnati

PENNSYLVANIA
St. Joseph's College, Philadelphia

WASHINGTON
Gonzaga University, Spokane
Seattle College, Seattle

WISCONSIN
Marquette University, Milwaukee
XAVIER UNIVERSITY
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