Macalester College
Bulletin

CATALOG NUMBER

1932

Accredited by the North Central Association of Colleges and Secondary Schools.

Macalester College uses in its official publications a number of the reformed spellings recommended by the Simplified Spelling Board and now authorized by standard dictionaries.

SAINT PAUL, MINNESOTA

Entered April 29, 1905, at Saint Paul, Minn., as second class matter under Act of Congress, July 16, 1894.

Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 31, 1918.

Published Monthly except August and September
College Calendar

1932-1933

1932

June 8. Wednesday, 8:30 p. m., Recital, Conservatory of Music.
June 9. Thursday, 8:15 p. m., Senior Class Play.
June 10. Friday, 10:00 a. m., Annual Meeting of Board of Trustees.
June 10. Friday, 8:15 p. m., Senior Class Play.
June 11. Saturday, 11:00 a. m., Class Day Exercises.
June 11. Saturday, 6:30 p. m., Alumni Banquet.
June 12. Sunday, 4:00 p. m., Baccalaureate Sermon.
June 13. Monday, 10:30 a. m., Forty-third Annual Commencement.
June 13. Monday, 8:30 p. m., President’s Reception.
Sept. 13-14. Tuesday-Wednesday, Upper Class Registration.
Sept. 15. Thursday, 8:00 a. m., First Semester begins.
Nov. 24. Thursday, Thanksgiving Day.
Dec. 1. Thursday, Pi Phi Epsilon Initiation.
Dec. 16. Friday, 4:30 p. m., Christmas Vacation begins.

1933

Jan. 3. Tuesday, 8:00 a. m., Christmas Vacation ends.
Feb. 1. Wednesday, 8:00 a. m., Second Semester begins.
Mar. 3. Friday, Cap and Gown Day.
Apr. 13. Thursday, 4:20 p. m., Spring Vacation begins.
Apr. 20. Thursday, 8:00 a. m., Spring Vacation ends.
May 30. Tuesday, Memorial Day.
June 5-10. Monday-Saturday, Second Semester Examinations.
Administrative Staff

JOHN C. ACHESON, M. A., LL. D., President

RICHARD U. JONES, M. A., Sc. D., Dean of the College

MARGARET M. DOTY, M. A., Dean of Women

CLARENCE E. FICKEN, M. A., Dean of Men

JOHN P. HALL, B. A., Registrar

GEORGE E. SCOTTON, B. A., Field Representative

CARL A. JENSEN, Director of the Conservatory of Music

ELAINE GERBER, B. A., Secretary, Conservatory of Music

FRANK F. PASKEWITZ, B. A., Controller

MAUDE COMPEAU, R. N., Director of Health Service

SARAH E. MACKNIGHT, B. A., Secretary to the President

ALICE KINGERY, B. A., Secretary to the Registrar

FERNAM BUDOLFSON, Assistant to the Controller

HENRIETTA HOLLENDER, Secretary to the Controller

CHARLOTTE GRAHAM, Hostess, Wallace Hall

MRS. I. M. MURRAY, Hostess, Kirk Hall
Board of Trustees

Officers of the Board

C. H. Bigelow.................. President
C. V. Smith........................ First Vice-President
Carl T. Schuneman.................. Second Vice-President
Paul D. Schriber.................. Secretary
E. B. Kirk........................ Treasurer

TRUSTEES

Terms Expire June, 1932

W. J. McCabe.................. Duluth
B. O. Chapman.................. St. Paul
Carl T. Schuneman............. St. Paul
Paul D. Schriber.............. St. Paul
R. M. Weyerhaeuser............. St. Paul

Terms Expire June, 1933

E. B. Kirk.................. St. Paul
Watson P. Davidson............. St. Paul
F. R. Bigelow.............. St. Paul
C. L. Hilton.................. St. Paul
F. E. Weyerhaeuser........... St. Paul
F. R. Angell.................. St. Paul
Rev. Peter Erickson, D. D....... Wausau, Wis.

Terms Expire June, 1934

C. H. Bigelow.............. St. Paul
Geo. D. Dayton............... Minneapolis
Wm. P. Kirkwood............. St. Paul
C. V. Smith.................. Minneapolis
L. H. Williams............. Minneapolis
Rev. H. H. Baldwin......... St. Cloud
Rev. H. N. Wilson, D. D....... St. Paul

John C. Acheson, ex-officio

*Deceased
Committees of the Board of Trustees

Executive

JOHN C. ACHESON, ex-officio
C. H. BIGELOW, Chairman
PAUL D. SCHRIBER, Secretary
F. R. ANGELL
F. R. BIGELOW
B. O. CHAPMAN

GEO. D. DAYTON
E. B. KIRK
C. V. SMITH
H. C. SWEARINGEN
R. M. WEVERHAEUSER
F. E. WEVERHAEUSER

W. P. DAVIDSON

Investments

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WATSON P. DAVIDSON
C. V. SMITH

E. B. KIRK
PAUL D. SCHRIBER
L. H. WILLIAMS

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F. R. ANGELL
H. H. BALDWIN

W. P. KIRKWOOD
C. L. HILTON
F. E. WEVERHAEUSER
H. N. WILSON

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C. H. BIGELOW

CARL T. SCHUNEMAN
R. M. WEVERHAEUSER

Budget and Expenditures

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JOHN C. ACHESON
C. H. BIGELOW

E. B. KIRK
R. M. WEVERHAEUSER
L. H. WILLIAMS

Endowment and Buildings

C. H. BIGELOW, Chairman
JOHN C. ACHESON
B. O. CHAPMAN

PETER ERICKSON
CARL T. SCHUNEMAN
H. C. SWEARINGEN

F. E. WEVERHAEUSER

Annuities

C. V. SMITH, Chairman
F. R. BIGELOW

GEO. D. DAYTON
C. L. HILTON
WATSON P. DAVIDSON

Commencement

JOHN C. ACHESON, Chairman
W. P. KIRKWOOD
H. C. SWEARINGEN
College Faculty*

(The figures in parentheses indicate the year of beginning service for Macalester College)

JOHN CAREY ACHESON, President. (1924)
A. B., Centre College, 1898; A. M., 1900;
LL. D., Central University of Kentucky, 1913.

‡JAMES WALLACE, President Emeritus.
Professor of Biblical Literature on the
Frederick Weyerhaeuser Foundation. (1887)
A. B., University of Wooster, 1874; A. M., 1877; Ph. D., 1887;
LL. D., 1892; D. D., Macalester College, 1923.

ANDREW WORK ANDERSON, Professor of Philosophy. (1891)
A. B., University of Wooster, 1889; A. M., 1892.

GEORGE WILLIAM DAVIS, Professor of Social and Political Science. (1892-99. 1907)
Graduate Victoria University, Manchester, England;
Ph. D., Yale University, 1891; D. D., Macalester College, 1901.

DAVID NEWTON KINGERY, Professor of Mathematics and Astronomy. (1896)

JULIA MacFARLANE JOHNSON, Professor of English Literature and Old English. (1897)

JOHN PORTER HALL, Registrar.
Professor of Greek. (1897)
A. B., Princeton University, 1897.

RICHARD URIAH JONES, Dean of the College.
Professor of Chemistry. (1901)

HUGH STUART ALEXANDER, Professor of Geology. (1906)
A. B., Macalester College, 1899; A. M., University of Minnesota, 1905; Ph. D., 1931.

GLENN CLARK, Professor of English. (1912)
Ph. B., Grinnell College, 1905; A. M., Harvard University, 1908.

*The names are arranged according to seniority of appointment in each of the following groups: Professors, Associate Professors, Assistant Professors and Instructors.
‡On leave of absence.
OTTO THEODORE WALTER, Professor of Biology. (1923)
A. B., State University of Iowa, 1916;
A. M., 1917; Ph. D., 1923.

CHARLES JAMES RITCHEY, Professor of History. (1925)
A. B., Drake University, 1910; A. M., 1911; A. M., Yale University,
1913; Ph. D., University of Chicago, 1918.

INA ANNETTE MILROY, Professor of German. (1925)
Ph. D., University of Berlin, 1904.

FREDERIC GIBBS AXTELL, Librarian. (1903)
A. B., Wesleyan University, 1888; A. M., 1891.

AUGUSTA HALLIE CHALFANT, Associate Professor
of Spanish. (1916)
A. B., University of Minnesota, 1912; A. M., 1914.

MARGARET MacGREGOR DOTY, Dean of Women,
Associate Professor of English. (1920)
A. B., Macalester College, 1914; A. M., Columbia University, 1927.

CLARENCE ELWOOD FICKEN, Dean of Men.
Associate Professor of French. (1924)
A. B., Baldwin-Wallace College, 1916; A. M., Northwestern
University, 1917.

SAMUEL FLOYD FRANKLIN, Associate Professor
of Religion. (1925)
A. B., Princeton University, 1912; A. M., 1914; B. D., Princeton
Seminary, 1915; Ph. D., New York University, 1925.

EDWIN KAGIN, Associate Professor of Religion on the Thomas W.
Synnott Foundation. (1926)
A. B., Centre College, 1904; B. D., Kentucky Theological
Seminary, 1907; Th. M., Princeton Seminary, 1922;
A. M., Princeton University, 1923.

WALTER SCOTT RYDER, Associate Professor
of Sociology. (1927)
A. B., Acadia University, 1915; B. D., Rochester Theological Seminary,
1918; A. M., University of British Columbia,
1920; Ph. D., University of Chicago, 1928.

GRACE JANE LOVELL MAY, Associate Professor
of English. (1924)
A. B., University of Minnesota, 1904; A. M., 1917.

KENNETH LEEDS HOLMES, Associate Professor
of History. (1925)
A. B., Yale University, 1917; A. M., University of Louisville, 1925.
FRANK EARL WARD, Associate Professor of English. (1926)
A. B., Oberlin College, 1922; A. M., 1923.

CHESTER HINES SHIFLETT, Associate Professor of Chemistry. (1929)
A. B., Kingsfisher College, 1921; A. M., Clark University, 1923.

RUSSELL BYRON HASTINGS, Associate Professor of Physics. (1929)
A. B., Clark University, 1924; A. M., 1925.

GRACE BEE WHITRIDGE, Assistant Professor of Dramatic Art. (1900)
Graduate Boston School of Oratory, 1890; post-graduate, 1891;
Graduate New York Academy of Dramatic Art, 1899.

ALICE LEORA BERRY, Assistant Professor of Sociology, in charge of Social Work. (1925)
A. B., University of Minnesota, 1914; A. M., 1922.

CAREY MORGAN JENSEN, Assistant Professor of Mathematics. (1926)
A. B., University of Minnesota, 1918; A. M., 1920; Ph. D., 1924.

DAVID CLAIR PRIMROSE, Director of Physical Education for Men. (1926)
S. B., Bellevue College, 1911; B. P. E., Association College, Chicago, 1916.

HENRY LEVI ANDERSON, Assistant Professor of Education. (1926)
S. B., University of Minnesota, 1924.

BORGHILD SUNDHEIM, Assistant Professor of French. (1927)
S. B., University of Minnesota, 1925; A. M., 1927.

MARY GWEN OWEN, Assistant Professor of Dramatic Art. (1928)
A. B., Macalester College, 1923.

GEORGIANA PAINE PALMER, Assistant Professor of Latin. (1929)
A. B., Smith College, 1921; A. M., Smith College, 1924.

FORREST ALBERT YOUNG, Assistant Professor of Economics. (1929)
S. B., Monmouth College, 1922; A. M., University of Chicago, 1926.
RAYMOND DARWIN BURROUGHS, Assistant Professor of Biology. (1930)
A. B., Nebraska Wesleyan University, 1924;
A. M., Princeton, 1925.

ALAN GOWANS, Assistant Director of Athletics. (1930)
A. B., Cornell College, 1922.

MILTON DUNCAN McLEAN, Assistant Professor of Religion and Psychology. (1931)
S. B., University of Minnesota, 1921; D. B., Presbyterian Theological Seminary, Chicago, 1925;
A. M., University of Chicago, 1926.

SYNNEVA HOFLAND, Director of Physical Education for Women. (1931)
A. B., St. Olaf College, 1925; A. M., University of Wisconsin, 1930.

DOROTHEA SCHULTZ, Instructor in German. (1930)
Ph. B., University of Chicago, 1927; M. A., 1928.

HAROLD PAFF, Chemistry Laboratory Assistant. (1930)
A. B., Macalester College, 1929.

ALBERT PHILLIPS BEEDON
Teaching Fellow in English. (1931)
A. B., Macalester College, 1928; A. M., University of Minnesota, 1930.

WILLIAM O. HORNE, Debate Coach. (1931)
A. B., Clark University, 1913.
Committees of the Faculty

The President is ex-officio a member of each committee

### Curriculum

<table>
<thead>
<tr>
<th>R. U. Jones</th>
<th>C. E. Ficken</th>
<th>H. L. Anderson</th>
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<tr>
<td>A. W. Anderson</td>
<td>S. F. Franklin</td>
<td>C. J. Ritchey</td>
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<td>H. S. Alexander</td>
<td>C. A. Jensen</td>
<td>Borghild Sundheim</td>
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<td>W. S. Ryder</td>
<td>Margaret M. Doty</td>
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### Catalog

<table>
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<tr>
<th>J. P. Hall</th>
<th>K. L. Holmes</th>
<th>D. N. Kingery</th>
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### Social Affairs

<table>
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<tr>
<th>Margaret M. Doty</th>
<th>Grace B. Whitridge</th>
<th>Synneva Hofland</th>
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<td>Margaret M. Doty</td>
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<td>C. E. Ficken</td>
<td>Grace B. Whitridge</td>
<td>Synneva Hofland</td>
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<td>(also student members)</td>
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<td>D. C. Primrose</td>
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### Athletics

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<tr>
<th>C. E. Ficken</th>
<th>Synneva Hofland</th>
<th>R. B. Hastings</th>
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<tr>
<td>Glenn Clark</td>
<td>Synneva Hofland</td>
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<td>H. L. Anderson</td>
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### Publications

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<th>K. L. Holmes</th>
<th>F. E. Ward</th>
<th>Glenn Clark</th>
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<tr>
<td>Grace May</td>
<td>G. W. Davis</td>
<td>Dorothea Schultz</td>
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### Appointments

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<tr>
<th>H. L. Anderson</th>
<th>R. D. Burroughs</th>
<th>Forrest A. Young</th>
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<tr>
<td>J. P. Hall</td>
<td>E. Kagin</td>
<td>Alice Berry</td>
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### College Functions

<table>
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<tr>
<th>Grace B. Whitridge</th>
<th>F. G. Axtell</th>
<th>O. T. Walter</th>
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<tbody>
<tr>
<td>Mary Gwen Owen</td>
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<td>C. A. Jensen</td>
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### Religious Life and Activities

<table>
<thead>
<tr>
<th>E. Kagin</th>
<th>Augusta H. Chalfant</th>
<th>Julia M. Johnson</th>
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<tr>
<td>S. F. Franklin</td>
<td>Walter S. Ryder</td>
<td>Chester H. Shiflett</td>
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<tr>
<td>Milton McLean</td>
<td>W. F. Vance, ex-officio</td>
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### Chapel

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<tr>
<th>C. A. Jensen</th>
<th>Grace B. Whitridge</th>
<th>Georgiana Palmer</th>
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<td>H. S. Alexander</td>
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<td>(Also four student members)</td>
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Macalester College was opened on September 15, 1885. It is the outgrowth of two academies founded by the distinguished Minnesota pioneer missionary and educator, the Rev. Edward Duffield Neill, D. D. One of these schools was founded in St. Paul, in 1853; the other was established in Minneapolis, in 1873. Both were named after Mr. M. W. Baldwin, the famous locomotive builder, who was a close friend of Dr. Neill and a financial supporter of his first educational undertaking. In 1873 Dr. Neill solicited aid from Mr. Charles Macalester of Philadelphia for the purpose of developing the Baldwin School into an undenominational college of the New England type. The latter gave for this purpose the noted summer hotel at St. Anthony Falls, known as the Winslow House. In appreciation of this gift the proposed institution was named Macalester College, March 5, 1874.

Failing in his effort to secure adequate endowment for this college for men only, Dr. Neill asked the Synod of the Presbyterian Church of Minnesota to adopt this college as a denominational institution. On October 15, 1880, by action of the Synod, it passed under Presbyterian control. The trustees of the college, in 1883, donated to the institution the forty acres on which it is now established. They then sold the Winslow House and from the proceeds thereof, in 1884, erected the east wing of the present main building. The same year the Synod completed an endowment of $25,000 for the president’s chair, and in 1885 the institution was opened to students.

From 1889 to 1898 Macalester College graduated one hundred men students. In 1893 the college was made coeducational.

In 1900 there was a reorganization of the Board of Trustees. In 1904 the first endowment campaign for $300,000 was launched, which was completed in 1911, and two buildings erected on the campus, the Carnegie Science Hall and Wallace Hall, dormitory for women. In 1916 the endowment fund was increased by $250,000.

Subsequent financial campaigns and gifts have increased the college endowment to $1,574,344.00. With the erection of several more buildings, the Gymnasium, 1924, Kirk Hall, men’s dormitory,
1927, central heating plant, 1926, president's residence, 1927, and the acquisition of other property and buildings, the value of the campus and buildings is now $1,215,969.75.

Presidents of Macalester College

REV. THOMAS A. McCURDY, * D. D., 1884-1890.
REV. DAVID JAMES BURRELL, * D. D., 1890-1891.
REV. ADAM WEIR RINGLAND, D. D., 1892-1894.
JAMES WALLACE, Ph. D., LL. D., 1894-1906.
JOHN CAREY ACHESON, A. M., LL. D., 1924.

Form of Bequest

The corporate name of the institution is Trustees of Macalester College.

Legal Form of Bequest.—I give and bequeath to the Trustees of Macalester College of St. Paul, Minnesota, duly incorporated under the laws of Minnesota, the sum of ............... dollars.

Location

Macalester College is located in Macalester Park, in the Midway District of St. Paul, within easy access of the business centers of both St. Paul and Minneapolis. The public libraries and churches in both cities are open to the students and opportunities to hear the best in music and art—the Symphony Concerts, offerings of the Schubert Club, the St. Paul Institute, the University Concert course, opera and drama, are advantages which may be enjoyed by the students.

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue.

Buildings

The Main Building contains classrooms, library and administration offices.

The Carnegie Science Hall is the gift of Mr. Andrew Carnegie. The first floor is devoted to physics and geology; the second to biology, mathematics and astronomy; and the third to chemistry.

Conservatory of Music, located on Summit Avenue, contains a recital hall, office and practice rooms.

*Deceased
Kirk Hall, a dormitory for men, is located on the corner of Lincoln and Snelling Avenues. It is of American Colonial style of architecture, built on the quadrangle plan in nine sections, each opening onto the central court. In most cases the rooms are arranged to provide a study-room with two, and sometimes three, adjoining bedrooms. There are also some single study-bedrooms. The building will accommodate 142 students. One section contains kitchen, dining-room and a community room.

Wallace Hall, a dormitory for women students, was built in 1907 and named for James Wallace, now president-emeritus of the college. This three-story, fire-proof brick building contains rooms for 80 students. The drawing-rooms furnish opportunity for both informal and the more formal social activities. Although it is modern in equipment, the Hall is old enough to have built up about its family life many traditions and pleasant customs.

The students of Wallace Hall participate, in cooperation with the hostess who resides in Wallace Hall, in student government. Students who have a sense of responsibility and who wish to share the responsibility for their own activities will find here every encouragement for the development of self-government, as well as a comfortable home during their college residence.

Rice Hall, named in memory of Rev. Daniel Rice, D. D., a former professor and trustee, is a frame building facing the campus, the first floor of which is equipped for the College Health Service, containing hospital rooms, diet kitchen, small dispensary as well as nurse's quarters.

The Gymnasium, of American Colonial design, is thoroly modern and complete, a structure 83 by 188 feet. The main gymnasium floor is surrounded by a running track and spectators' balcony. The first floor also contains offices for the athletic directors of men and women, check rooms, a kitchen adequate for large social events and apparatus rooms. The second floor provides two rooms for boxing, wrestling and social events. The basement contains a standard swimming pool, hand ball courts, a field sports room and locker rooms.

Shaw Athletic Field, which was dedicated at the opening of the school year in 1909, was named in honor of Professor Thomas Shaw, former President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.
Library

The Edward D. Neill Library contains about 20,600 volumes and is located on the ground floor of the main building. In Carnegie Science Hall are department libraries.

One hundred and thirty-five periodicals are on file in the Library or in the department libraries.

Toward maintenance of the Library there is set apart each semester two dollars and fifty cents of each tuition fee.

Henry L. Moss, a former trustee of the college, and his wife, bequeathed to the college an endowment which yields an income of $450 for the Library.

The Library is open during the college year as follows: Monday to Friday, from eight to six and from seven to nine-twenty o'clock; Saturday, from eight to six o'clock; holidays, from nine to twelve and one to five o'clock.

Other Library Privileges

The St. Paul Public Library contains, in its central building and permanent branches, 260,000 volumes. Of first importance in the central building is the Social Science Reference room, which contains the library’s resources in economics, politics, sociology, education and social work. There is also a reference room for the useful arts and one for the fine arts, including music. This library is located within fifteen minutes' ride by street car from Macalester College. Students may draw books for home use.

The James Jerome Hill Reference Library has a most carefully chosen collection of books on all subjects except law and medicine. In a special room is a noteworthy map collection. This library supplements the resources of other accessible libraries and affords unusual opportunities for study and research. College faculties and students are requested to use it freely. The James Jerome Hill Reference Library forms the east wing of the Public Library Building.

The Library of the Minnesota Historical Society contains about 175,000 books and pamphlets. It specializes in Americana, particularly that of the West, Northwest and Canada. It has one of the largest collections in genealogy and biography in the United States; extensive collections in American church history, local history and travel; and the most complete collection in existence relating to the Scandinavians in America. The Manuscript Depart-
ment of the Society, with its important material, is open to qualified college students. The Historical Society building is located near the State Capitol.

Other libraries open to students are the State Law Library, 112,000 volumes, the Minneapolis Public Library, which has 368,000 volumes in its central building and the University of Minnesota Library.

Registration

Students are required to register by the beginning of each semester. In case of delay in registration beyond the registration days indicated in the college calendar, a fine of one dollar is imposed for the first day and fifty cents for each subsequent day. No excuses are granted for late registration. Students may register by mail on deposit of tuition fee, subject to the entrance requirements stated on page 29.

For the first semester of the college year freshmen present themselves for registration on Monday morning of the opening week. On Monday afternoon and continuing through Tuesday and Wednesday will be given a series of lectures on subjects of vital importance to new students by the President and various members of the faculty. On Tuesday registration of sophomores, juniors and seniors begins and extends through Wednesday. Registration without penalty ends Wednesday.

Second semester registration occurs on the Monday and Tuesday immediately preceding the second semester.

The matter of excess registration is to be referred to the deans.

The student who has failed in half the work of one semester, counted by hours, may not register for the following semester.

Students who in their freshman year have earned no honor points and students who have completed two years of work and have not earned 16 honor points may not re-register.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

The prospective student should procure from the college an application blank in which his high school credits should be entered by the principal or superintendent and mailed by the proper school authority to the Registrar. A character recommendation is required.
Examinations and Reports

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the close of each semester.

Students who secure a passing mark in a course are graded as follows: A, B, C or D, which mean excellent, good, fair and poor, respectively. Students who do not reach a passing mark are graded as follows: Con, I or F. Con, meaning condition, implies that the student has failed in the final examination and that the deficiency may be removed by his passing in a second examination to be given later. If, however, a student's class grade is D, an F may be given on failure in one examination. I means that the mark is withheld by the instructor because the work required has not been completed. F means failure in term grade. In cases of failure students may secure credit only by repeating the course. A Con becomes an F upon failure to pass the second examination.

Conditions incurred in courses of the first semester must be removed by examination within the first two weeks of the second semester; conditions incurred in courses of the second semester must be removed within the first two weeks of the following semester.

For private and condition examinations a fee of fifty cents shall be paid for each examination at the office of the accountant. Private examinations will be authorized by the faculty only, and for the most urgent reasons stated in writing.

Degrees

Graduates of the College of Liberal Arts receive the degree of Bachelor of Arts. The degree of Bachelor of Music is granted to students who fulfill the requirements for such degree in the Conservatory of Music.

Prizes

Noyes Prize.—Mrs. D. R. Noyes has given $2,000, the interest of which is used as prizes for student scholarship. These are awarded to the first honor students of the senior, junior and sophomore classes.

Stringer Prize.—In honor of the memory of her husband, Mrs. E. C. Stringer bequeathed $500, the income from which is awarded each year to that student of the college, who, having not fewer than
fourteen recitations a week, wins the first place in the preliminary oratorical contest, and represents the college in the state contest.

**Paul Prizes In Extemporaneous Speaking.**—In 1917 Rev. W. F. Paul of Minneapolis established the Paul Contest in Extemporaneous Speaking to be held annually during Commencement Week. For this purpose he offers each year prizes totaling $50, divided into three prizes of $30, $15 and $5.

**Funk Prizes.**—For the encouragement of intensive and original studies in history, Mrs. Lydia C. Funk offers $100 annually in three prizes of $60, $25 and $15. Contestants must be members of the senior class, majoring in history and having a standing in the department of at least B.

**Scholarships**

**Silliman Scholarship.**—Offered by Mr. H. B. Silliman, of Cohoes, N. Y., the income of which is assigned by the Presbyterian Board of Christian Education to a student named by the college.

**Wallace Scholarship.**—A gift of $10,000 by Dr. James Wallace and family in memory of Mrs. James Wallace, the interest of which is devoted to a general scholarship.

**Synodical Scholarship.**—This is made up of gifts from churches and individuals throughout the state and amounts to $2,300, the interest of which is devoted to general scholarships.

**Williams Brothers Scholarship.**—Louis H. and Charles R. Williams, of Minneapolis, have given $1,000, the income from which is for the aid of a student selected by the faculty.

**Biology Scholarship.**—In memory of her husband, Dr. Archibald MacLaren, Mrs. Kathrine MacLaren, of St. Paul, contributes $50 to aid a student in the department of biology, who is selected by the head of this department.

**Scott Scholarship.**—Mr. William H. Scott, of Philadelphia, gives $60 for a scholarship awarded by the faculty.

**McCabe Scholarship.**—Bequeathed by Edward Everett McCabe of the class of 1914 and accepted as a general scholarship.

**Crawford Scholarship.**—A gift of $1,000 in memory of Ira Leslie Crawford, the income from which is devoted to a general scholarship.

**Myers Scholarship.**—S. F. W. Myers has given, in memory of his son, Carl Bertram Myers, $1,000, the income from which is devoted to a general scholarship.
Students who receive the benefits of the above scholarships, which are assigned by the college, are required to repay same if they leave the institution before graduation.

Shaw Scholarship.—Given by Professor Thomas Shaw, of St. Paul, the interest of which is devoted to a scholarship for a nominee of the Central Presbyterian Church of St. Paul.

Webb Scholarship.—Mr. E. A. Webb, deceased, gave $1,000, the interest of which is to aid a candidate from the Central Presbyterian Church, St. Paul.

Winona Scholarship.—The First Presbyterian Church has given $1,000, the interest of which is to aid a candidate nominated by this church.

The H. W. Coffin Scholarship.—Established by Mrs. Mary E. Coffin of Duluth, the income of which is to be used by relatives of the H. W. Coffin family, young people from the Glen Avon Presbyterian Church, Duluth, or for students for the ministry or missionary service. Beneficiaries of said scholarship to be given precedence in the order named.

Macalester Scholarship of St. Paul Presbytery.—Amounting now to $1,139, the interest of which is to aid a student nominated by the Presbytery of St. Paul.

James Mulvey Memorial Scholarship.—Founded by the Misses Jessie and Edna Mulvey in memory of their father; amounts total $2,500. Interest to aid a student for the ministry or missionary service or other worthy student selected by the donors or by the faculty.

The Merriam Park Presbyterian Church Scholarship.—The sum of $3,000, given by the Merriam Park Presbyterian Church of St. Paul, the income from which is awarded to a student selected by the church.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry, and to men and women candidates for missionary service.

Rhodes Scholarships.—In order to keep this well-known bequest before the minds of present or prospective students it is briefly mentioned. Any male student who is a citizen of the United States, unmarried, not less than nineteen nor more than twenty-four years of age and who has reached the end of his sophomore year of
study, may be a candidate for one of the Minnesota scholarships. This insures to the winning contestant a three years’ residence in Oxford University, England.

**Loan Funds**

**Faculty Women’s Club.**—A fund of $2,000, held by the Faculty Women’s Club, is used for short period loans, preferably to junior and senior students.

**Paul A. Ewert.**—Bequeathed in the will of Paul A. Ewert of the class of 1894, the sum of $5,000, the income from which is to be used in helping worthy students.

**Knox Memorial.**—An endowment of $2,500, the income from which shall be given as a loan to some student named by Mrs. Jane Knox of Jackson, Minnesota.

**The Harry Phillips Memorial.**—The sum of $100 has been provided by Mrs. Mildred Phillips Kindy in honor of the late Professor Harry Phillips, founder and for many years head of Macalester College Conservatory of Music. This is to be used as a loan fund to worthy music students.

**The Harmon Foundation.**—This is a fund to give financial aid to those students who, without it, would be forced to discontinue their college course. The fund is administered by the Harmon Foundation through a committee of the faculty. Loans may be granted to deserving students in amounts not to exceed $200, at six per cent interest. The cooperative feature of the plan obviates the giving of collateral. Repayment of the loan is made in installments commencing not later than one year after the student leaves college. This fund is not available for freshmen.

**The Board of Christian Education.**—A fund administered for the same purpose and in the same manner as the Harmon Loan Fund.

**Dames of the Round Table.**—This is a fund of $300, established in memory of Mrs. Jennie E. Straight, to be used for loans, without interest, to students. A loan from this fund is to be repaid not later than one year after the student has left college. An extension may be granted at the discretion of the college with the consent of the donors.

**New England Women.**—The St. Paul Colony of New England Women offers to a young woman of New England ancestry a loan of $100 without interest. Application for this loan should be made through the Dean of Women.

**Maria Sanford.**—A loan fund maintained under the auspices of the Minnesota Daughters of the American Revolution. Available
for any worthy junior or senior in any accredited Minnesota college. Application should be made thru the Dean of Women.

William F. Rodgers Memorial.—A fund of $5,000, bequeathed by Mr. William F. Rodgers, the income of which is available for student loans.

L. D. Coffman.—A fund the principal of which is to be used as a general loan fund. Interest received from students on this fund is applied to increase the principal.

James Faricy.—A fund the principal of which is to be used as a general loan fund. Interest received from students on this fund is applied to increase the principal.

Department Foundations

The Weyerhaeuser Foundation.—Founded by Mr. Frederick Weyerhaeuser, and increased by members of his family, totaling $100,000, to be devoted to the development and maintenance of the Department of Religion.

The Synnott Foundation.—A gift of $50,000 from Thomas W. Synnott, held in trust by the Board of Christian Education of the Presbyterian Church, U. S. A., for the maintenance of the Department of Religion.

The Martin Foundation.—The gift of John C. Martin in 1908 of $10,000 to be used in the Department of Religion.

The Moss Foundation.—A gift from Henry L. Moss now totaling $7,464.77, income from which is to be used for the maintenance of the Library.

The Henry D. Funk Memorial Foundation.—Established by Mrs. Lydia A. Funk, a gift of $10,000, income from which is to be devoted to the development of the Department of History.

Student Activities

Approval of the Controller is required for the incurring of debts in excess of $10.00 in any student activity.

The Y. M. C. A. has a membership of about eighty students. It holds its regular meeting every Tuesday morning. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students.

The Y. W. C. A. offers social, educational and religious advantages to the women of the college. It binds all the women together
into one common fellowship thru its regular Tuesday morning meetings, mission and Bible study classes as well as social affairs.

**Literary Societies.**—In the college there are nine literary societies under the general oversight of the faculty. Hyperion society admits to membership both men and women; Athenaean, Adelphian and Eulogian societies admit men and Chi Phi Delta, Clionian, Philotian, Thalian and Platonian societies, women.

**The Quill Club.**—The American College Quill Club is a writer's organization established in various American Colleges for the purpose of encouraging literary effort and criticism. It is not an honorary body—admission is by original manuscript only, with due consideration given to the character of the applicant for responsibility and sustained effort. Active members are also drawn from the faculty. The local chapter is known as Cen Rune.

**The Macalester Players** is a group within the Department of Expression, whose object is to stimulate and develop an appreciation of the best in drama. Several plays are given each year, coached by the head of the department.

**Debate and Oratory.**—All matters pertaining to debate and oratory are in charge of Pi Kappa Delta.

The college takes part in the State Intercollegiate Contest in Oratory and is a member of the State Intercollegiate Debate League. A preliminary home contest is held for each of these contests, for which suitable prizes are offered.

**Pi Kappa Delta.**—This is a national honorary fraternity, organized to give recognition to those who distinguish themselves in public speaking, and to promote interest in forensics.

The local Chapter interests itself in all forms of forensics, and has assumed the secretariatships of the Minnesota High School Discussion League and the High School League in Extemporaneous Speaking.

**Interscholastic Forensic Competition.**—Macalester College has taken a great interest in developing a more natural, effective manner of public speaking among the high schools of the state. To further that end it organized the Minnesota High School Discussion League which is now starting on its seventeenth year, and the High School League in Extemporaneous Speaking which is starting on its fifteenth year.

**College Glee Club.**—This is a men's organization, firmly established and with a splendid record of accomplishment in the
eighteen years of its existence. The club is under the direction of a faculty adviser.

**Aeolian Chorus.**—A well-established undergraduate organization of women under the direction of a faculty adviser.

**The M Club** was organized December 9, 1913. It was founded to keep those who have won the letter in touch with one another and to foster athletics. When a Macalester student has earned an M he becomes a member on the payment of one dollar initiation fee.

**Sigma Delta Psi.**—This is the national athletic fraternity which stands for the comprehensive intelligent development of physical training for college men. The Macalester Chapter was established February 18, 1925.

No literary society or other student organization may be established without the consent of the faculty.

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**Pi Phi Epsilon Society**

The society was organized in 1914 with twenty charter members. The aim of the society is to stimulate scholarship and intellectual interests in the college. It regards scholarship, intellectual leadership, originality and character as the requisites for eligibility to membership.

At graduation active members become graduate members of the society, and are entitled to all its privileges except voting. Members of the faculty are honorary members of the society.

The executive committee of the society is composed of the officers together with a faculty representative.

The undergraduate members are:

| Wilbur Wilford Bloom                      | Arlene Catherine Ledvina            |
| Everett Benjamin Coulter                  | Dorothy MacWilliams                 |
| Wenzil Kermit Dolva                      | Leland Macumber                     |
| David Martin Fulcomer                    | Elizabeth Jean Manuel               |
| William Martin Goetzeiger                | Myrtle Grace Maxwell                |
| Frances Foster Hanley                    | Gladys Caroline Nyquist             |
| Emma Frances Harrison                    | Horace Albert Nystrom               |
| Elizabeth Vincent Hunt                   | Jane Marie Robertson                |
| Harold John Jerabek                      | Gertrude Rulkoetter                 |
| Evelyn Beatrice Kallaheir                | Armin Herbert Steinhauser           |
| Margaret Ruth Klingbeil                  | Gertrude Adelaide Waits             |
| Helen Emma Krauss                        | Henrietta Susanne Williams          |
| Evangeline Naomi Larson                  | Anna Catherine Wilson               |
Religious Life and Exercises

Macalester was founded as a Christian college. The atmosphere of the college has always been warmly religious. The Young Men's and Young Women's Christian Associations are large and active. The city offers much opportunity for religious work. In keeping with the purpose of the founders of the college the faculty makes the following requirements:—(1) Courses in Religious Education; (2) attendance at the chapel exercises. Attendance at Sunday church service is expected of all students. Students connected with churches either by membership or sympathies are expected to attend the church of their preference.

Personnel Records

Personnel records are kept for all students. Individual histories are compiled, including grades, certain English and college aptitude tests, health reports, faculty reports, extra-curricular activities, and conferences which are held concerning questions of scholastic work, matters of group interest, and personal problems.

These records are on file in the office of the Dean.

Teachers' Bureau

The faculty committee on appointments maintains a bureau for the placement of graduates in the field of public school teaching. There is no fee for this service. Particulars may be found under Department of Education.

Publications

The following publications are issued from the college:—

The Macalester College Bulletin, devoted to the advertisement and advancement of the institution.

The Mac, a biennial publication devoted to college interests published by the students.

The Mac Weekly, a student newspaper established in 1914. It gives expression to student opinion upon matters of college life, and accounts of all college events.

The Gateway, a literary magazine published by the members of the college Quill Club.
Health Service

The college provides this service to safeguard the health of students. The department works in close cooperation with the Department of Physical Education. Entrance medical and physical examinations are held jointly and the records are used in both departments for follow-up work and for making up classes in corrective exercises. In cases where it seems advisable, further clinical examinations may be required. These examinations are designed to discover defects or tendencies which may and should be corrected; to protect the individual against work for which he is physically unqualified; and to guard the college community against communicable disease. No student may report for classes before his medical and physical examinations are completed. Appointment cards are given by the Dean at the time of registration. Special stress is laid on everything pertaining to health welfare and a sound physical development.

The college maintains a well-equipped infirmary in Rice Hall. The Health Director, a graduate nurse, is in residence, and her service is available for all students suffering from minor illnesses or injuries. The nurse acts under the direction of a physician in all cases.

An appropriation is made for this service from the tuition charge, which covers entrance medical examinations, nursing care in all minor illnesses, all office consultations, medicine and dressings, and the use of the infirmary for a period of one and one-half days a semester. For a longer period the rate is $1.00 a day.

Arrangements will be made with hospitals in the city for all cases of contagion and surgery or of prolonged or serious illness. The expense of this service is borne by the patient.

Expenses

Tuition and fees are due and payable at the beginning of each semester, before completion of registration and before the student is admitted to classes. A student may, however, pay his account in installments, one-third at time of entrance, and the balance in three equal monthly payments. A flat charge of 2% of the sum of all installments is added to the first one to cover the costs to the college of this deferred payment service. A loan fund, administered by the
President at his discretion, is available for a limited number of students who cannot satisfy these requirements.

<table>
<thead>
<tr>
<th>Tuition, regular student</th>
<th>Semester $100.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special student, ten hours or less, Semester hour</td>
<td>7.00</td>
</tr>
</tbody>
</table>

Special Fees—

- Biology 101, 102, 121, 122, 204 with laboratory, 301, 302, 304 with laboratory, 305 5.00
- Biology 112, 204 2.50
- *Chemistry 101-102, 103-104, 201, 202, 309-310, 331-332, 305 8.00
- Geology 1.00
- Physics 101-102 2.50
- Physics 201-202, 221, 301-302, 411 5.00
- Change of Course 1.00
- Guarantee Fee (Dormitories) 5.00
- Diploma 5.00

*This is a deposit fund. The actual fee charged will be based upon the cost of material.

†A fee of $7.00 is charged for each credit hour in excess of eighteen.

A fee of $5.00 is charged for each course audited without credit.

An exchange fee will be charged on all out-of-town checks.

From each tuition fee the administration makes an appropriation of $12.50 a semester for library, health service and student activities.

Refunds are not granted during the last six weeks of any semester except for illness. Two weeks are added to the date of cancellation for refund purposes.

In case of prolonged illness which removes the student from college for a period of a month or more, refunds are made on tuition, board and room from the end of a two weeks' period following the beginning of illness according to the records of the college nurse.

There are no refunds on portions of tuition which are applied to student activities.

Students who fail to meet accounts when due are denied class room privileges until reinstated upon satisfactory settlement with the Controller.

If a student leaves the institution at any time after entrance without the approval of the faculty, or because he has been suspended or dismissed, no tuition is refunded.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Credits will be withheld until all obligations are met.
Special Rates

1. Sons and daughters of ministers of any denomination are allowed a rebate of twenty per cent each semester on tuition.

2. All candidates for the ministry, of whatever church or denomination, are allowed a rebate of twenty per cent each semester on tuition upon the following conditions:

   (a) Candidates for the Presbyterian ministry shall be under the care of presbyteries, and shall present to the Department of Religious Education certifications to this fact from the clerks of the presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

   (b) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated in the event of their abandoning their purpose to enter the ministry.

Rooms and Board

Room rents and board are paid in the manner prescribed for tuition and fees. The college dormitories and commons are closed during Christmas vacation. Fees include room rent and board during the shorter vacations. Special permission may be granted for residence in Kirk Hall during Christmas vacation through application to the house director.

Wallace Hall—

<table>
<thead>
<tr>
<th>Board, per semester, each person</th>
<th>$112.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room rent, per semester, each person</td>
<td>62.50</td>
</tr>
</tbody>
</table>

Kirk Hall—

<table>
<thead>
<tr>
<th>Board, per semester, each person</th>
<th>112.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room rent, per semester, each person</td>
<td>$55.00 to 65.00</td>
</tr>
</tbody>
</table>

Students actually working for board and room off the campus are not required to live in the dormitory.

Students are charged for their rooms by the semester and until they are formally vacated and keys surrendered. Each dormitory tenant is held responsible for the rent for the entire semester, whether he has occupied the room continuously or not.

Each tenant is required to deposit $5.00 (including deposit for key) as a guarantee against damage to college property, and to keep this deposit at that amount while in college. From this fund are deducted (1) charges for damage for which he is personally responsible;
(2) charges (pro rata) for damage done by unknown hands. The surplus, if any, is refunded to the students at the end of the year, or when they leave college.

**Rooms**

There are two types of rooms in Kirk Hall: a study with two or three adjoining single bedrooms; and one room comprising both study and bedroom.

Each student is provided with the following equipment: a study table, two chairs, a three-quarter bed with mattress and pillow, a combination dresser and wardrobe with mirror, sheets and pillow cases, curtains for all windows. Students must provide their own blankets, towels, rugs and any additional fixtures they may desire. Such additional furniture must be of a quality comparable with that supplied by the college and is subject to the approval of the house director.

In Wallace Hall each room has single beds, mattresses, pillows, sheets and pillow cases, dresser, study table, two rockers, two study chairs and a lavatory with hot and cold water.

The drawing of rooms in the dormitories will take place on the first Tuesday in May for those who live in the dormitories. On the second Tuesday in May for those who do not live in the dormitories. After the third Tuesday application for rooms from outside will be filled. Drawings will be under the direction of the Deans.

Application for room in the dormitories should be made by the first of May to the college office. Reservation fee is $10.00. This is applied on the student’s account at the time of registration. Rooms will not be held later than the opening of the term unless the room rent is advanced for the period of delay. In case applicants fail to come the reservation fees will not be returned. Rooms will be assigned in the order of application.

Students who do not live at home or with relatives are required to room in a college dormitory, insofar as accommodations are available, unless they are officially permitted to live elsewhere. Application for such permission should be made to the Dean of Women or Dean of Men.

If all dormitories are filled, students may secure living accommodations from a list of rooms approved by the college authorities.
Such students are expected to conform to the general social regulations in force in the college dormitories. Change in residence shall be made only when officially approved.

**Self-Support**

Students desiring to do something toward defraying their own expenses can usually find a way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way thru college, provided the summer vacation is improved to increase his income.

There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student’s fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the newcomer is cheerfully made. Address all communications to Employment Bureau, Macalester College, St. Paul.

For women students, there are many opportunities each year to assist in homes near the campus. The uniform rate of four hours’ service a day in exchange for room and board has been established, and about thirty girls avail themselves of this opportunity every year. Further information may be secured from the Dean of Women.
Entrance Requirements

General Statement

Macalester College is a member of the Association of American Colleges, the North Central Association of Colleges and Secondary Schools and is on the approved list of the Association of American Universities and the American Association of University Women. Entrance requirements are in harmony with the standards of the North Central Association of Colleges and Secondary Schools.

The satisfactory completion of fifteen units of properly coordinated work is required for admission to the freshman class of the college. The following units are required: four in English (or three in English and two in a foreign language), one in Algebra and one in Geometry. Not more than three units in vocational subjects (including Agriculture, Commercial Work, Domestic Science and Manual Arts) may be presented. Exception to this last requirement may in rare cases be made on the ground of otherwise superior fitness for college work and only upon approval by the faculty. It is strongly recommended that the student submit two or more units of consecutive work in some foreign language. By a unit is meant five recitation periods a week in a subject, carried throughout a year of thirty-six weeks. The recitation periods must be not less than forty minutes in length.

The college requires certain English and college aptitude tests of all freshmen. Students who have taken the tests given by the Association of Minnesota Colleges are exempt from these tests upon entering.

Admission by Certificate

From Accredited High Schools and Academies.—Graduates of accredited high schools and academies requiring a four-year course are admitted without condition to the freshman class, subject to the requirement of the preceding paragraph. Accredited schools are those on the list of the North Central Association of Colleges and Secondary Schools, the list of Minnesota high schools prepared by the State Superintendent and similar lists of the high schools of other states.
From Accredited Three-Year Senior High Schools.—
Graduates of senior high schools, covering the tenth, eleventh and
twelfth grades, are admitted without condition, provided they have
in this time completed eleven or twelve units in the senior high
school and provided that the subjects taken in the senior high
school, together with the work done in the junior high school,
satisfy the subject requirements stated above.

Applicants for admission to the freshman class should apply
to the Registrar for the Applicant’s Blank, which should be filled out
by the principal of the high school or academy in which their courses
were taken, and mailed by him to the Registrar.

Admission by Examination

Students not presenting certificates as provided for above must
present a course of study equal to a four-year high school course.
Such students will be examined in the course presented by them and
will be admitted to freshman standing on passing the examination
satisfactorily. These examinations will be given on the Monday
and Tuesday preceding the opening of the college in September.

Preparation for Entrance

The following suggestions respecting high school courses are
not mandatory, but may be of value to future college students, now
in high school or academy.

Suggested Units.—Students intending to major in Groups I,
II or IV (see page 33), are advised to present the following units for
entrance:

English 4
Latin 4
Modern Language 2

Algebra 1½ or 1
Geometry 1½ or 1

The remaining units may be selected from the following:

Botany ½ or 1
Chemistry 1
Civics ½
French 2
German 2
Greek 2

History 1 or 2
Manual Training ½ or 1
Physical Geography ½ or 1
Physics 1
Physiology ½ or 1
Zoology ½ or 1

Students intending to major in Group III are advised to present
the following ten units:

English 4
German or French 2
Chemistry or Physics 1

Algebra 1½
Geometry 1½
The remaining five units may be selected from the following:

- Botany $\frac{1}{2}$ or 1
- Chemistry 1
- Civics $\frac{1}{2}$
- French 1 or 2
- German 1 or 2
- Greek 1 or 2
- History $\frac{1}{2}$, 1 or $1\frac{1}{2}$
- Manual Training $\frac{1}{2}$
- Physical Geography $\frac{1}{2}$ or 1
- Physics 1
- Physiology $\frac{1}{2}$
- Zoology $\frac{1}{2}$

**Admission with Advanced Standing**

**From Other Colleges.**—Students transferring to Macalester College from accredited institutions of collegiate grade must present letters of honorable dismissal and an official transcript of previous collegiate and preparatory record.

Students with failures in another college cannot be transferred to Macalester until such failures have been cleared.

**From Normal Schools.**—Credits from Normal Schools are to be reckoned according to the nature and quality of the work presented as judged by the Registrar.

**Requirements for Graduation**

The College of Liberal Arts offers courses leading to the degree of Bachelor of Arts.

**The Requirements for Graduation are:**—

A. One hundred and twenty-six academic credits, the term *credit* meaning one hour a week for one semester in class room or two hours a week in laboratory. Of these required credits at least thirty-two must be from courses numbered three hundred or above and not more than forty-four may be in any one department. These credits must be secured with reference to the group from which the student has chosen his major.

B. 126 honor points, granted as follows: for each credit toward graduation earned by the student with a mark of A, three honor points are given; for each credit with a mark of B, two honor points; for each credit with a mark of C, one honor point. A mark of F carries minus one honor point.

C. 5 points in Physical Education, the term *point* meaning the satisfactory completion of a semester course in Physical Education. Of these 5 points 3 must be secured in courses 101-102 and 103. Course 105 is required of students unable to pass the elementary swimming test.
Academic Credits Required of All Students:
(1) 8 credits in Religion. These must include course 102 or 105.
(2) 6 credits in English 101-102.
(3) 6 credits in Social Sciences and History.
(4) 3 credits in Philosophy 205.
(5) 3 credits in Psychology 201.

Additional Academic Credits for students with a major in one of the following groups:

Group I.—
(1) 28 credits in a foreign language.
(2) 14 credits in a second foreign language.
    Of the above (1) and (2) at least 14 credits must be secured in college. In the case of the second language two high school units (12 credits) will suffice, but the total for both must be 42.
    One of the above languages must be Latin or Greek.
(3) 12 credits in Group III.
(4) 20 credits in the major subject.

Group II.—
(1) 28 credits in one or two foreign languages. No language shall count toward this requirement in which the student offers fewer than 14 credits (or two high school units). Any part or all of this requirement may be met by entrance credits from high school.
(2) 18 credits in Group II or IV other than the major subject and required courses in Religion.
(3) 12 credits in Group III.
(4) 20 credits in the major subject.

Group III.—
(1) 8 credits in Mathematics 101-102 or 201-202.
(2) 16 credits in a modern language unless the student has presented 3 entrance units in a modern language or 2 units in one language and 1 in another. A student presenting less than 3 units will be given proportional credit toward the required 16 credits.
(3) 18 credits in Group III other than the major.
(4) 20 credits in the major subject.

Group IV.—
Requirements the same as for Group II.
Note—Language requirements of a student whose major is in Group III must be completed by the end of the junior year.

Science requirements of a student whose major is in Group I or II or IV must be completed by the end of the junior year.

The six credits in history and social sciences required of all students must be completed by the end of the junior year.

Majors and Minors.—Each candidate for a degree must elect, by the beginning of the junior year, under restrictions stated below, one major and two minors or two majors from the twenty following departments:

GROUP I.
1. English
2. French
3. German
4. Greek
5. Latin
6. Spanish

GROUP II.
1. Economics and Political Science
2. Education
3. History
4. Philosophy
5. Psychology
6. Religion
7. Sociology

GROUP III.
1. Biology
2. Chemistry
3. Geology
4. Mathematics
5. Physics

GROUP IV.
1. Expression
2. Music

Terms Defined.—A major consists of a minimum of twenty credits and a maximum of forty-four credits obtained in one department.

A minor consists of a minimum of twelve credits obtained in one department.

No credit with a grade lower than C is counted toward a major or minor.

Restrictions on Choice.—

(1) At least one of the minors must be in a different group from the major. The minors are subject to the approval of the student’s adviser.

(2) The following courses are not counted toward a major or minor:—Biology 112 and 401, Chemistry 401, English 101-102, French 101-102 and 402, German 101-102, Greek 101-102, History 450, Latin 101-102, Mathematics 101, 102, Physics 101-102 and 402, Religion 101 and 105, Spanish 101-102. See, also, Biology 101-102, 121-122 and Chemistry 101-102, 103-104 in department descriptions.

Five Students Required for a Class.—The college does not hold itself bound for instruction in any elective course for which
fewer than five students make request to the Registrar. Such classes may, however, be organized at the option of the instructor.

Honor Courses.—The faculty is establishing honor courses in special fields of concentration, open to students of exceptional ability who, in the freshman and sophomore years, have made adequate preparation. The departments in which these courses are being encouraged are: Economics and Political Science, Education, History, Philosophy, Psychology, Sociology and Religion.

Courses for the Freshman Year

In the Freshman year the student is required to select one of the following courses according to the group in which his major will probably be.

**GROUP I.**

<table>
<thead>
<tr>
<th>Religion 101-102 or 105, 2 hours</th>
<th>One subject from Group III</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101-102, 3 hours</td>
<td>Elective</td>
</tr>
<tr>
<td>Foreign Language (to complete requirements), 3 or 4 hours</td>
<td>Personal Hygiene</td>
</tr>
<tr>
<td></td>
<td>Physical Education</td>
</tr>
</tbody>
</table>

**GROUPS II. AND IV.**

| Religion 101-102 or 105, 2 hours | One subject from Group III |
| English 101-102, 3 hours         | One subject from Group II or IV |
| Foreign Language (to complete requirements), 3 or 4 hours | Personal Hygiene |
|                                 | Physical Education |

**GROUP III.**

| Religion 101-102 or 105, 2 hours | Mathematics, 4 hours |
| English 101-102, 3 hours         | One subject from Group III |
| Foreign Language (to complete requirements), 3 or 4 hours | Personal Hygiene |
|                                 | Physical Education |

The elective courses for the freshman year are:

- Biology 101-102, 112, 121-122
- Chemistry 101-102, 103-104
- Expression 141-142
- Foreign Language
- Geology 101-102
- History 101-102
- Mathematics 101-102, 106, 201-202
- Music
- Physics 101-102

**Classification of Students**

Classification without Conditions.—For freshman classification, as stated before, fifteen units of acceptable high school work or their equivalent; for sophomore, thirty-two college credits and thirty-two honor points; for junior, sixty-four credits and sixty-four honor points; for senior, ninety-six credits and ninety-six honor points.
Classification with Conditions.—A student is classified as sophomore on gaining twenty-four credits and sixteen honor points; as junior on obtaining fifty-four credits and forty-four honor points; as senior on obtaining ninety credits and eighty-four honor points.

Change of Course.—Registration at the beginning of the semester fixes the course of study for the student. Within ten days change is permitted with the written consent of the instructors concerned and the student’s adviser. Dropping a subject comes under this rule.

Unfinished Courses.—Students who drop a year course at the end of one semester lose all credit in that course unless some distinct phase of the subject is completed; in which case, the instructor may grant the credit.

Preparation for Vocations

The system of majors and minors and the elective system in use here permit the student to frame his college course with some reference to his future vocation. In general the student will find the following courses helpful to him in his future vocational study.

For the Study of Medicine.—The following course is strongly advised for students who are preparing for the study of medicine. Those taking such a course are given a bachelor’s degree upon the satisfactory completion of the first year’s work in a recognized medical school.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Junior Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inorganic Chemistry</td>
<td>Biology (General Zoology and Vertebrate Anatomy)</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>English</td>
<td>Chemistry-Analysis</td>
<td>Histology and Human Physiology</td>
</tr>
<tr>
<td>German</td>
<td>German</td>
<td>Psychology and Ethics</td>
</tr>
<tr>
<td>Mathematics</td>
<td>History or Social Science</td>
<td>Elective</td>
</tr>
<tr>
<td>Religion</td>
<td>Physics</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>Religion</td>
<td></td>
</tr>
</tbody>
</table>

For the Study of Law.—The value of a full college course in preparation for the study of law cannot be disputed. Macalester offers a number of courses that are invaluable to law students, and a college course arranged with this group of subjects as a nucleus is suggested below, showing also the possibility of a well-rounded college course that is designed to develop the best that is in the student.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Public Speaking and Argumentation</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>Religion</td>
<td>Religion</td>
</tr>
<tr>
<td>Science</td>
<td>Sociology and Economics</td>
</tr>
<tr>
<td>History</td>
<td>Psychology and Ethics</td>
</tr>
</tbody>
</table>
Social Work.—To meet the imperative needs of our time, and in full sympathy with the practical application of Christian principles to modern conditions, the course in social work has been prepared. The student with a professional or technical career in view will find in it a solid foundation for his later special training. Supplementing the resources of the college are many agencies such as the great libraries of St. Paul and Minneapolis, and a large number of public institutions of various kinds.

For the Christian Ministry and Missionary Teaching.—The department of religion and the electives in Greek Testament, philosophy, ethics and history offer a course well adapted to those who have the gospel ministry in view. Those who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

For Teaching.—The college offers opportunity to the student in preparation for the field of teaching. Its Liberal Arts courses give the necessary foundation for a liberal education as well as subject-matter for use in the class room. Its technical courses give the professional aspect to the student's preparation for the vocation of teaching. The latter are concerned with the principles, methods and history of education.

Student Advisers

For registration, advice and supervision all students will be assigned to faculty advisers. Each faculty member will have from fifteen to twenty students, making it possible for each student to receive special attention in regard to his course. The adviser directs the student in the arrangement of a course of study in harmony with his tastes or prospective vocation. When students have definitely fixed upon a vocation in life they will be assigned to that member of the faculty whose department is most akin to the work they have in view. Students who have fixed upon their major study will be assigned to the department to which that major study belongs.
Courses of Study

Odd numbers refer to first semester courses. Even numbers to second semester courses. An R attached to an odd number indicates that the course is repeated the second semester.

A comma between figures of a year course indicates that either semester may be taken with credit.

Courses 101 to 199 are open to freshmen. Courses 201 to 299 are open, with restrictions, to sophomores or to those whose preparation is adequate. Courses above 300 are primarily upper class subjects with prerequisites mentioned in each department.

Biology

Professors Walter and Burroughs

The courses have been so arranged that it is possible to choose work either of a general or a special nature. Students wishing a well-rounded education will be able to select work which will meet their needs and in which the cultural aspect is emphasized. Choices should be made from the following: Biology 101-102, 121-122, 204, 303, 304.

Those preparing to teach Biology in high schools will be able to choose suitable work and will be given opportunity for practice in laboratory instruction, grading of papers and note books, and the planning of high school courses. The following courses are required for a major: Biology 101-102, 301, 302, 303 and 410. For work suited to the needs of the pre-medics, the following are recommended: Biology 101-102, 204, 301, 302, 304 and 305.

The Department recommends the following courses for its major students: a minor in Chemistry or Physics; Latin or Greek and French and German; one semester or, if at all possible, one year of Paleontology and one semester of Historical Geology; Economics or Sociology; Expression, one year.

A. Zoology

101-102. General Zoology.—Mr. Walter and Mr. Burroughs

This course takes up the fundamental principles of animal biology. Representatives of the phyla of the invertebrates and vertebrates are studied with reference to structure, functions and relation to environment.

One year, two two-hour laboratory periods and two recitations a week, eight credits. This course counts four credits toward a major or minor if the student's grade is B and five credits if course 121-122 is taken also.
112. **Ornithology.**— *Mr. Burroughs*
This study of birds is undertaken strictly from the scientific point of view and is designed to stimulate an appreciation of nature and to arouse a fuller understanding of some of the problems of conservation of our wild life. Open to all students. This course does not count toward a major or minor.

Second semester, one lecture, laboratory, and one field trip a week, three credits. Offered 1932-1933.

204. **Human Physiology.**— *Mr. Walter*
Lectures, recitations, collateral readings, demonstrations and laboratory work on the structure and functions of the human body. Extensive use is made of anatomical charts and models. Attention is also given to personal hygiene. This course does not count toward a major.

Prerequisite, twenty-four credits or approval of instructor. Second semester, three recitations and one optional two-hour laboratory period a week, three or four credits.

301. **Comparative Anatomy.**— *Mr. Walter*
This course is offered primarily for majors in the department, pre-medical, pre-dental, and pre-nursing students. It consists of an intensive laboratory study of the systems of vertebrate types including the Dogfish, Necturus, Turtle or Pigeon and the Cat. The lectures correlate the morphological studies made in the laboratory, point out the comparisons and indicate the probable lines of development of structures suggestive of phylogenetic relationships.

Prerequisite, course 102. First semester, two two-hour laboratory periods and two lectures a week, four credits.

302. **Vertebrate Embryology.**— *Mr. Burroughs*
A study of the development of the chick and the pig embryos. From incubated chicks, whole mounts and serial selections a study is made of the origin, structure and development of the germ layers, tissues and systems of the body. Permanent slides of whole mounts and serial sections are also prepared.

Prerequisite, courses 102, 301. Second semester, two lectures and two two-hour laboratory periods a week, four credits. Not offered 1932-1933.

303. **Genetics and Eugenics.**— *Mr. Walter*
The laws of heredity, as illustrated by animals and plants as well as the application of these laws to the betterment of the human race, will be studied. The latest edition of "Readings in Evolution, Genetics and Eugenics" by Newman will be used, supplemented by collateral readings in Thompson, Conklin and Guyer.

Prerequisite, course 102 or 121-122, or approval of the instructor. First semester, three hours a week, three credits.
304. General Bacteriology.— Mr. Walter

This is a course of lectures, recitations and laboratory work suited to the needs of the general or special student who desires knowledge of the general field of bacteriology, including the cause, control and prevention of important diseases, and training in modern laboratory technic. The laboratory work is optional. Students desiring to take the laboratory work must have completed Chemistry 102.

Prerequisite, course 102 or 121-122, or fifty-four credits. Two recitations and two two-hour laboratory periods a week, two or four credits.

305. Vertebrate Histology.— Mr. Burroughs

A study of the microscopic structure of the cells, tissues and organs of the mammalian body. Each student is loaned a box of 80 prepared slides of representative tissues and organs. These are made the basis for study and laboratory drawings. Emphasis also is placed on training in laboratory technic.

Prerequisite, course 102. First semester, two lectures and two two-hour laboratory periods a week, four credits. Alternating with course 301. Offered 1932-1933.

401. Teachers' Course.— Mr. Walter and Mr. Burroughs

For those who intend to teach biology in high schools. Practical work given in the laboratory. Conferences on methods of teaching and reviews of text-books. This course does not count toward a major or minor.

Prerequisite, courses 102, 121-122. First semester, two credits.

409, 410. Individual Course.—

Mr. Walter and Mr. Burroughs

Advanced students may, with the approval of the head of the department, take up lines of work not covered in the regular courses. The particular type of study will depend upon the student's preparation and interest, but may include assigned readings, training in laboratory technic, preparation of permanent microscopic slides, injection of laboratory specimens, making of charts, culturing of protozoa or advanced study of a special problem.

First or second semester, or one year, two or four credits. Two credits are required of majors in the department.
B. Botany

121-122. General Botany. — Mr. Burroughs
A study of the principles of plant life. The first semester deals with the structure, activities, modifications and economic importance of the higher plants. During the second semester the work will involve a study of the great groups of plants with emphasis upon reproduction and evolution, some time being given to the identification and classification of higher plants in the field.

Course 122 may be taken before 121, but no credit will be given until both courses are completed.

One year, two lectures or recitations and two laboratory periods a week, eight credits. This course counts four credits toward a major or minor if the student's grade is B or better, and five credits if course 101-102 is taken also.

221. Systematic Botany. — Mr. Burroughs
Identification and classification of plants. Devoted chiefly to the native plants of the region, including trees and shrubs.

Prerequisite, course 121-122. First semester, two laboratory periods a week, two credits.

Chemistry

Professors Jones and Shiflett and Mr. Paff

For a major in chemistry students are advised to take courses 101-102, 201, 202, 307-308, 309-310. A thesis is required. Other courses advised are: two years of German or French; Physics, course 201-202; Mathematics, course 301-302; Biology, course 101-102 or 121-122; Philosophy, course 209. Students wishing a minor in chemistry are advised to take courses 101-102, 201, 307-308, 309-310. Students preparing to teach chemistry should take a major or minor in that subject, also course 401, and comply with the State requirements as given under the Department of Education. Pre-medical and pre-dental students may arrange to take courses 101-102, eight credits; 201, two credits; 202, two credits; 307, two credits; and 309, two credits.

101-102. General Inorganic Chemistry. — Mr. Jones, Mr. Shiflett and Mr. Paff

The course includes a thorough study of the principal elements and their compounds, their occurrence in nature and preparation in the laboratory; also an introduction to the study of qualitative analysis.

Prerequisite, one unit high school chemistry. One year, two lectures, two recitations and six hours in laboratory a week, eight credits.

Four credits may be applied toward a major or minor if a grade of B is attained.
103-104. General Inorganic Chemistry.—
MR. JONES, MR. SHIFLETT AND MR. PAFF
For students not presenting high school chemistry credits. This is the same as course 101-102, but begins with more elementary chemistry.

One year, two lectures, two recitations and six hours in laboratory a week, eight credits.

Four credits may be applied toward a major or minor if a grade of B is attained.

201. General Chemistry and Qualitative Analysis.—
MR. SHIFLETT
Laboratory work on the identification of cations and anions. Lecture work is a review and continuation of course 102, in addition to the theory involved in concurrent laboratory work.

Prerequisite, Chemistry 102 or 104 and one year of college mathematics (Mathematics 102 or 202). First semester, two lectures, one recitation and six hours laboratory a week, four credits.

202. Quantitative Analysis.—
MR. SHIFLETT
Lecture and laboratory work. Introduction to the methods of volumetric and gravimetric analysis.

Prerequisite, course 201. Second semester, two lectures, one recitation and nine hours laboratory a week, five credits.

303-304. Advanced Inorganic Chemistry.—
MR. SHIFLETT
This is a continuation of course 101-102, with an introduction to physical chemistry.

Prerequisite, course 201. One year, two lectures, two recitations and six hours in laboratory a week, six credits.

305R. Advanced Quantitative Analysis.—
MR. SHIFLETT
This course is a continuation of course 202.

Prerequisite, course 202. One semester, four or eight hours laboratory work a week, two or four credits.

307-308. Organic Chemistry.—
MR. JONES
A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of foods, oils and explosives is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 309-310 is also taken.

Prerequisite, course 201. One year, two lectures and one recitation a week, four credits.
309-310. Laboratory Course in Organic Chemistry.— Mr. Jones
To be taken with or upon completion of course 307-308. Organic compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 307-308 when possible.
One year, six hours a week, four credits.

311-312. Advanced Organic Chemistry and Qualitative Organic Analysis.— Mr. Jones
This course is a continuation of courses 307-308 and 309-310. The detection of common food adulterants will receive attention.
Prerequisite, course 310. One year, six hours a week, six credits.
Not offered 1932-1933.

313R. Special Analysis.— Mr. Shiflett
Individual course in quantitative analysis, the exact work to be covered depending upon the qualifications and needs of the student. Food analysis and water analysis are among the subjects available.
Prerequisite, course 202. One semester, six hours a week, three credits.

331-332. Theoretical Chemistry.— Mr. Shiflett
Lectures and laboratory work. A general study of: atomic and molecular weight determinations; properties of gases, liquids and solids; solutions; homogeneous and heterogeneous equilibrium; thermochemistry; electrochemistry; colloids.
Prerequisite, Chemistry 202, Physics 202 and Mathematics 202. Mathematics 301-302 must be taken beforehand or in conjunction. One year, three lectures and six hours laboratory a week, ten credits.

401. Teachers’ Course.— Mr. Jones
A course of lectures on the teaching of chemistry.
Prerequisite, course 201. First semester, two hours a week, two credits. No fee is charged.
Credits not counted toward a major or minor.

403-404. Individual Course.— MR. JONES AND MR. SHIFLETT
A special study is made of the latest developments in chemical theories, etc. An exhaustive thesis, on an approved subject, is required. Once a month the seminar will be open to all students interested, when reports will be made on current chemical topics and theses.
Required for a major in chemistry. Open to seniors only, except by permission.
One year, one hour a week, two credits.
Economics and Political Science

Professors Davis and Young

A. Economics

231-232. General Principles.— Mr. Young
A general survey of the structure, institutions and operation of our economic order, including a brief examination of early and modern theories of value and distribution.
Prerequisite, twenty-four credits. One year, three hours a week, six credits.

333-334. History of Economic Theory.— Mr. Davis
This course will trace the development of economic thought in the principal nations of Europe and America, especially in relation to philosophy and conditions of environment. The histories of Haney, Ingram and Gide will be used for reference.
Prerequisite, course 231. One year, three hours a week, six credits.

335. The Industrial History of England.— Mr. Davis
The intention of this course is to make the student acquainted with the salient features of England’s industrial and commercial progress and thus prepare him for a study of the economic history of the United States. The works of Cheney, Ogg, Innes, Usher and others will be used for reference. A knowledge of English history is expected.
Prerequisite, course 231. First semester, three hours a week, three credits.

336. Economic History of the United States.— Mr. Young
An historical study of American agriculture, commerce, transportation, industry and finance.
Prerequisite, course 231. Second semester, three hours a week, three credits. Not offered 1932-1933.

339. Labor Administration.— Mr. Young
An examination of present-day labor problems from the viewpoint of both the employer and the worker.
Prerequisite, course 232. First semester, three hours a week, three credits.

342. Public Finance.— Mr. Davis
This course deals with the history and theory of public revenues and expenditures, taxation, budgetary methods and public credit.
Prerequisite, courses 231, 252. Second semester, three hours a week, three credits.
B. Political Science

252. Elements of Political Science.— MR. DAVIS
The aim is to trace clearly the great and distinctive features in the governments of Europe and of the United States.
Prerequisite, Sociology 201. Second semester, three hours a week, three credits.

253. The Historical Development of American Government.— MR. DAVIS
The development of American governmental institutions will be studied in relation to the various political problems with which the American people have dealt.
Prerequisite, fifty-four credits, including History 203, 204; or taken concurrently with it. First semester, three hours a week, three credits.

361. Roman Private Law.— MR. DAVIS
The object is to acquaint the student with (1) the origin and development of Roman Law; (2) its relation to modern systems of State Law. A knowledge of Latin is expected.
Prerequisite, Sociology 201. First semester, three hours a week, three credits.

362. Elements of Jurisprudence.— MR. DAVIS
Holland’s “Jurisprudence” is used. The general subjects considered are Laws and Rights, Private, Public and Adjective Law, the object being to acquaint the student with the principles of fundamental law in their historical development and their practical application to the several phases of social life.
Prerequisite, course 361. Second semester, three hours a week, three credits.

363. Commercial Law.— MR. DAVIS
A study of contracts, sales, agency, negotiable instruments, partnerships, corporations, insurance, personal property, real property, suretyship and bankruptcy.
Prerequisite, course 232. First semester, three hours a week, three credits.

364. International Law.— MR. DAVIS
General principles of public international law, treating of the legal relations of states and of individuals as developed by positive agreement in the form of treaties, by common usage, and by diplomatic practice and the conduct of nations.
Prerequisite, course 361 or 362. Second semester, three hours a week, three credits.
402. Method and Teaching of the Social Sciences.—MR. DAVIS, MR. RYDER AND MR. YOUNG
The object of this course is to train the student in the methods of scientific approach and of instruction in the class room. Analysis and discussion of representative treatises. Practical exercises by students.

Prerequisites, Sociology 201 and course 232 and fifty-four credits. Second semester, two hours a week, two credits.

C. Business

271. Accounting I.—MR. YOUNG
Theory and practice of modern accounting; intended for the general student of business as well as for the beginning student in accounting. May be taken concurrently with course 231-232, with instructor's permission.

Prerequisite, course 232. First semester, three hours a week, three credits.

272. Accounting II.—MR. YOUNG
Analysis of accounting problems and application of principles; valuation and interpretation of data.

Prerequisite, course 271. Second semester, three hours a week, three credits.

371. Economic Geography.—MR. YOUNG
A survey of the world's resources, industries, markets and trade. Both the commodity and the regional approach methods are used. Case-project maps are prepared. An analysis is made of the commercial position of the various nations today.

Prerequisite, course 232. First semester, three hours a week, three credits. Alternating with course 339. Not offered 1932-1933.

372. Marketing.—MR. YOUNG
Principles, methods and problems of marketing; special emphasis on merchandising. For the student of distribution problems, as well as of retail administration.

Prerequisite, course 232; course 371 advisable. Second semester, three hours a week, three credits.

373. Business Organization and Finance.—MR. YOUNG
A study of the different types of business organization, emphasizing the combination movement and the chief problems encountered in financing a modern business, with emphasis on the corporation.

Prerequisite, course 232. First semester, three hours a week, three credits. Alternating with course 375. Not offered 1932-1933.
374. Money and Banking.— Mr. Young
A practical study of the monetary and banking systems of the United States and the chief foreign countries. Banking operations are analyzed from the point of view of society, the business man and bank administration.
Prerequisite, course 232. Second semester, three hours a week, three credits.

375. Principles of Investments.— Mr. Young
Investment principles and practices, including a brief study of the business cycle, an examination of the various investment services and an analysis of leading securities. Attention is centered on the investment problems of the average man.
Prerequisite, course 232. First semester, three hours a week, three credits. Alternating with course 373.

The attention of the student of business is called to Mathematics of Investment (course 306), Applied Psychology (course 312), Social Psychology (course 301), Commercial Law (course 363) and other courses in the divisions of Economics and Political Science.

Education
Professor H. L. Anderson

Students who expect to qualify for a certificate to teach in the public high schools of any state should observe the faculty ruling that they confer with this department in regard to certificate requirements not later than the junior year.

Requirements for such certificates in certain states are indicated in general as follows:

<table>
<thead>
<tr>
<th>State</th>
<th>Credits Required in Education</th>
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<tbody>
<tr>
<td>Iowa</td>
<td>14 plus 6 in psychology</td>
</tr>
<tr>
<td>Minnesota</td>
<td>15</td>
</tr>
<tr>
<td>North Dakota</td>
<td>16</td>
</tr>
<tr>
<td>South Dakota</td>
<td>15</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>15</td>
</tr>
</tbody>
</table>

The Minnesota Department of Education in accordance with the statutes has directed that the requirements for a high school general certificate shall be distributed as follows:

- Educational Psychology ........................................... 3 credits
- Principles of Teaching .......................................... 3 credits
- Special Methods or Teachers' Courses and practice teaching with observation .................................. 6 credits
- Elective Educational course .................................... 3 credits

15 credits

Faculty endorsement for this certificate will be made upon application of seniors through the office of the Registrar.
Psychology 201 is a prerequisite for all courses in Education. A minor in Education shall not include Education 411 or teachers' courses given in other departments. No student may enroll for more than two courses in this department during one semester, not including Education 411.

The faculty committee on appointments endeavors to place seniors in educational positions following their graduation. Obviously only those will receive the faculty recommendation for positions who show by their interest, ability and professional preparation that they are genuinely qualified to teach.

201R. Educational Psychology.—
Study is directed to individual differences in mental abilities, their correlation and relationship as well as their measurement. The inheritance of mental traits and instinctive elements of native equipment are given attention. Rate and progress of learning, transference of training, measurement of achievement, and the psychology of school subjects. This course is required for the first-grade professional certificate in Minnesota.
Open to sophomores and juniors. Prerequisite, Psychology 201. Either semester, three hours a week, three credits.

301R. Principles of Teaching.—
This course is concerned with principles in learning and directing learning in the high school. Motivation and adapting instruction to individual differences are given careful consideration. Management of classes, the purposes of recitation, and type methods are studied and their adaptability considered. Methods of testing achievement, various outcomes of a learning situation and planning are given careful attention. This course is required for the first-grade professional certificate in Minnesota.
Prerequisite, course 201. Either semester, three hours a week, three credits.

303. History of Education.—
Study is given to educational objectives, systems, and movements during the ancient and medieval periods of history. The revival of learning and the rise of religious and scientific inquiry, the rise of democracy, a new theory for education, and the establishment of state systems of education as exemplified in leading nations with special emphasis on the United States, are considered.
Prerequisite, fifty-four credits, including Psychology 201. First semester, three hours a week, three credits.
305. Public School Administration.—
Deals with American federal and state policy, with principles that underlie the administration of the public school system from the standpoint of the town, school district, city, county and state. Financing the schools, units of control, school boards, delegation of authority to superintendent of schools and organization of teaching staff receive special attention. Training, certification, appointment, tenure, pay and pensions for teachers are given consideration. Fulfills the requirements made of superintendents and principals for a course in administration.

Prerequisite, fifty-four credits, including course 201. First semester, three hours a week, three credits.

306. Principles of Secondary Education.—
Considers the development of American secondary education, the secondary school pupils, their physical and mental growth, variation and selection. It takes up the aims and functions, and relationships to elementary and higher education. The secondary school curriculum, vocational guidance, community relationships, the school plant and library are given careful consideration. Fulfills the requirements made of superintendents and principals for a course in supervision.

Prerequisite, fifty-four credits, including course 201. Second semester, three hours a week, three credits.

402. Educational Problems.—
An advanced course devoted entirely to investigation of problems offered by the class. Each student works out his own problem in the form of a thesis based upon his investigation. Group meets on arranged schedule for reports and criticisms. Restricted to seniors who have the approval of the department of Education.

Second semester, one or two credits.

404. Statistical Methods in Education.—
This course deals with statistical method and terminology. The aim is to give the technic for the presentation and interpretation of educational data.

Prerequisite, ninety credits, including courses 201 and 301. Second semester, two hours a week, two credits.
411R. Practice Teaching and Observation.—

Actual participation in or handling of teaching situations, under supervision when possible and under conditions which may approximate or suggest subsequent teaching experience. Opportunity for the work of this course will be secured through various educational institutions in the Twin Cities. Observation of teaching, lesson plans, teaching, conferences, reports.

Open to seniors only and, unless excused by the faculty, required of all who expect to teach. Not counted for a minor in Education.

Prerequisite, course 301, although it may be carried concurrently with the same if approved by the head of the department. Either semester, three credits toward certificate, but no credit toward graduation.

Special Methods or Teachers’ Courses.—

Offered by their respective departments. At least two of these courses are necessary to meet certificate requirements for public high school teaching and must be in the student’s major or minor academic subjects.

Only special methods or teachers’ courses from the group below taken with Education 301 as a prerequisite will be accepted toward teacher certificate requirements except by permission from the head of the department of Education.

| Biology 401 | Latin 402 |
| Chemistry 401 | Mathematics 401 |
| English 403-404 | Physics 402 |
| French 402 | Economics, Political Science and Sociology 402 |
| German 402 | Spanish 402 |
| History 450 |

English

Professors Johnson, Clark, Doty, May, Ward and Mr. Beedon

A student may have a major or minor in English Literature or in Constructive English. A major in English Literature consists of at least 14 credits in Literature courses in which two of the following courses are included: 267, 268, 353-354, 355, 356 and 357, 358. The remainder of the major may be in Constructive English. A minor in English Literature includes at least one of the three Literature courses mentioned above.

A student wishing a major in Constructive English is required to take a total of 12 credits from courses in this division. He may
supplement this with courses in Literature. A minor is restricted to this division.

Course 101-102 is not counted toward a major or minor.

A. Constructive English

101-102. Composition.—Mr. Ward, Miss May and Miss Doty
This course is required of all freshmen. Its purpose is to give the student practice in speaking and writing and to lay a foundation for future work in English.

One year, three, four or five hours a week, six credits.

201. Short Story Writing.—Mr. Clark
This course is designed for those who wish to attempt advanced work in narrative writing.
Prerequisite, twenty-four credits. First semester, three hours a week, three credits.

202. Expository Writing.—Mr. Clark
Attention will be given to the organization and presentation of material, but the chief emphasis will be placed upon the development of the sources of originality of the student himself.
Prerequisite, twenty-four credits. Second semester, three hours a week, three credits.

203-204. Newspaper Writing.—Miss May and Mr. Beedon
(a) Introductory Course—This course introduces beginners to the theory and practice of journalism. Students wishing appointment to the Mac Weekly staff are advised to register for this course.
First semester, three credits.
(b) Advanced Course—including feature and editorial writing.
Prerequisite, course 102. Second semester, three credits.

207. Public Speaking.—Mr. Clark
The object of this course is to correct a student's faults in public speaking and enable him to present a message effectively from the platform.
Prerequisite, twenty-four credits. First semester, two hours a week two credits.

210. Extemporaneous Speaking.—Mr. Clark
Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.
211-212. Debate and Oratory.—
Required of all students who expect to receive credit for intercollegiate debate and oratory. Theory of argumentation and debate, study of English oratory, centering in the speeches of Burke, and practical debating.

One year, two class hours and discussion, four credits. One credit bonus to those who represent the college in forensic contests.

216. English Philology.—
A thorough study is made of the philosophical background from which all language grows.

Second semester, two hours a week, two credits.

313-314. Debate and Oratory.—
One year, discussion only. Open to those who have represented the college for two years in forensic contests. Two credits.

401, 402. Seminar in Advanced Composition.—
This course is designed for those who have done or wish to do some original writing outside of the regular classroom work. No student should enroll for this course until he has consulted the instructor.

Prerequisite, fifty-four credits. One year, one to two hours a week, two to six credits.

403-404. Teachers’ Course.—
This course is designed to prepare students to teach English in secondary schools. The work consists of readings, conferences and laboratory.

Prerequisite, fifty-four credits. One year, two hours a week, two credits.

B. Literature

267, 268. Types of Literature.—
A general course in literary and folk traditions, chiefly British. The work consists of lectures, oral and written reports and conferences.

Prerequisite, twenty-four credits or consent of instructor. One year, three hours a week, six credits.

351-352. American Literature.—
The purpose of the course is to give the student a survey of our national literature as it expresses the development of our national thought and life from early colonial days to the present time.

Prerequisite, course 102, or instructor’s permission. One year, three hours a week, six credits.
353-354. Old English.— Mrs. Johnson
A study of the language, and reading of selections from the Old English Chronicle, King Alfred, Aelfric and the simpler poetry: Beowulf.
Prerequisite, twenty-four credits. One year, three hours a week, six credits. Not offered 1932-1933.

355, 356. English Literature.— Mrs. Johnson
The aim of this course is to emphasize the main facts in the development of English literature from the seventh century until about 1600. Chaucer and Spenser are extensively read and discussed.
Prerequisite, twenty-four credits. One year, three hours a week, six credits.

357, 358. English Literature.— Mrs. Johnson
Shakespeare and Milton.
One year, three hours a week, six credits.

359-360. The Drama in England.— Mrs. Johnson
While the course deals chiefly with the English drama, attention will be given to other literatures.
Prerequisite, fifty-four credits. One year, three hours a week, six credits.

361. Nineteenth Century Prose.— Mr. Clark
A study of Carlyle, Emerson, Ruskin, Newman and Arnold.
Prerequisite, fifty-four credits. First semester, three hours a week, three credits.

362. Nineteenth Century Poetry.— Mr. Clark
A study of poetry and poetic elements as revealed in the writings of Wordsworth, Coleridge, Keats and Shelley.
Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.

363. World Masterpieces.— Mr. Clark
The course consists of an intensive study of the Book of Job, Homer's Odyssey, Dante's Inferno, Shakespeare's Tempest and Goethe's Faust.
Prerequisite, fifty-four credits. First semester, three hours a week, three credits.

365. Eighteenth Century Prose.— Miss May
A study of English Prose with special emphasis on Defoe, Swift, Goldsmith and Johnson.
Prerequisite, fifty-four credits or consent of instructor. First semester, three hours a week, three credits.
366. Eighteenth Century Poetry.— Miss May
A survey of English Poetry from Dryden to Burns with special reference to the rise and growth of romanticism.
Prerequisite, fifty-four credits or consent of instructor. Second semester, three hours a week, three credits.

373, 374. Browning and Tennyson.— Mrs. Johnson
A comparative study.
Prerequisite, course 356. One year, two hours a week, four credits.

375-376. The English Novel.— Mrs. Johnson
Its rise and development.
Prerequisite, course 356. One year, three hours a week, six credits.
Not offered 1932-1933.

451-452. Individual Course.— Mr. Clark and Mr. Ward
A reading course for students of distinguished standing.
Prerequisite, ninety credits and advice of instructors. One year, three hours a week, six credits.

Expression and Dramatic Art
Professors Whitridge and Owen
The work in this department has been so arranged that it is possible for a student to take courses for general work or specialization. The aim is two-fold: first to correct voice faults, encourage self-expression and develop poise; and second to teach the interpretation of life through literary forms and drama.

The following courses may count toward a major in Expression: English 207, 210, 211-212, 313-314.

141-142. Vocal and Physical Expression.— Miss Whitridge and Miss Owen
Fundamental principles underlying the art of expression and literary interpretation. Deep breathing, control of breath, voice production, voice placing, rhythm, intonation, correction of voice faults and mannerisms. Pantomime, bodily expression, posture, rhythm of bodily movements, poise. Reading and recitation.
One year, three hours a week, four credits.

144. Corrective Speech.— Miss Owen
Treatment of speech defects, fundamental course in speech correction, study of voice and speech mechanism, study of sounds and standards of pronunciation.
Second semester, two hours a week, two credits.
241-242. Literary and Dramatic Interpretation.—Miss Whitridge

Plays of Shakespeare and the best poetry studied with reference to vocal interpretation, differentiation of character and portrayal of emotions. Adaptation of the short story and one-act plays for platform work.

Prerequisite, course 142. One year, two hours a week, four credits.

245. Story Telling.—Miss Owen


Prerequisite, course 142. First semester, two hours a week, two credits.

342. Religious Drama.—Miss Whitridge

The object of the course is to select Biblical material for dramatization, to judge of its suitability to the student's different stages of development and to determine the dramatic form to which the material is best adapted and the method of preparing and directing it which will be appropriate to both material and players.

Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.

343-344. Shakespeare and Modern Drama.—Miss Whitridge

Analysis and presentation, choice, abridgment and adaptation of selections for public reading.

Prerequisite, course 142. One year, two hours a week, four credits.

441-442. Dramatic Production.—Miss Owen

Building of stages, making and painting of scenery, lighting, grouping, acting, indoor and outdoor productions, pageantry, costumes, coaching and make-ups.

Prerequisite, course 142. One year, two hours a week, four credits.

French

Professors Ficken and Sundheim

A major in French presupposes at least two years of Latin or Greek. A major in French must include courses 301-302, 303 and 331 or equivalents. An equivalent of course 331 is a grade of A or B in course 201. Courses 101-102 and 402 are not counted toward a major or a minor. See, also, restriction as to course 206.

Prerequisite for all courses, except 101-102 and 201-202, is course 202, unless otherwise stated. Courses 313 to 322 should be preceded by course 301-302, except by permission of the department.
101-102. Elementary French.— **Mr. Ficken and Miss Sundheim**

Pronunciation, oral work, dictation, the essentials of grammar and reading of elementary texts.

One year, five hours a week, eight credits.

201-202. Intermediate French.— **Mr. Ficken and Miss Sundheim**

Review of grammar, composition, oral work and the reading of modern French texts. Course 206 is optional as a substitute for course 202.

Prerequisite, course 102 or two years of high school French. One year, four hours a week, eight credits.

206. Scientific French.— **Mr. Ficken**

A reading course for science students, elective as a substitute for course 202. Does not count toward a major. Counts toward a minor only for students whose major is in Group III.

Second semester, four hours a week, four credits. Not offered 1932-1933.

301-302. History of French Literature.— **Miss Sundheim**

A general survey of French literature. Lectures, outside readings and reports.

One year, three hours a week, six credits.

303. Phonetics and Diction.— **Mr. Ficken**

Organs of speech, international phonetic alphabet, intensive drill in the pronunciation of sounds, syllables and stress groups. Individual use of the phonograph for corrective purposes. Phonetic transcription, memorization, presentation of one-act plays.

Expression 141 and, if possible, 441 should precede or parallel this course.

Prerequisite for course 402. First semester, three hours a week, two or three credits.

313. Eighteenth Century Prose.— **Mr. Ficken**

The philosophic movement as represented by Montesquieu, Voltaire, Diderot, Rousseau and others.

First semester, three hours a week, three credits. Not offered 1932-1933.
314. Romantic Literature.— Mr. Ficken
A brief review of the origins of French romanticism. The reading of representative prose works of Chateaubriand, Victor Hugo, Dumas, George Sand and others. A survey of the poetry of Lamartine, Vigny, Hugo, Musset and Gautier. The romantic drama is included in course 322.

Second semester, three hours a week, three credits. Not offered 1932-1933.

316. The Modern Novel.— Miss Sundheim
Extensive reading of prose from Balzac to the present time.
Second semester, three hours a week, three credits. Not offered 1932-1933.

321. Seventeenth Century Drama.— Mr. Ficken
Corneille, Racine and Moliere with particular emphasis on the latter.
First semester, three hours a week, three credits. Not offered 1932-1933.

322. Nineteenth Century Drama.— Miss Sundheim
Extensive reading of plays representative of French dramatic currents since 1830.
Second semester, three hours a week, three credits. Offered 1932-1933.

331. French Composition and Conversation.— Miss Sundheim
Oral and written composition, ear training, reproduction, grammar review. Primarily for seniors who intend to teach French.
First semester, three hours a week, three credits.

402. Teachers' Course.— Mr. Ficken
The problems of secondary teaching. Values, aims and methods are discussed. The files of the Modern Language Journal and similar periodicals are used extensively for special reports and collateral reading. Criticism of elementary text-books; formulation of a two-year course for high schools.
Prerequisites, courses 303 and 331, or equivalents, and ninety credits.
Second semester, two hours a week, two credits.

Geology
Professor Alexander

A major in this department consists of twenty-three credits in Geology, including course 401. Eight credits in each of two of the following departments, Biology, Chemistry and Physics are required.
101-102. General Geology.—
A study of the forces at work within and upon the surface of the earth, the structural forms which these forces have produced and the history of the earth and the life upon it. Illustrated lectures combined with recitations and quizzes upon text work and assigned reading. Field work for the study of local geology.
One year, three lecture and recitation and two laboratory hours a week, eight credits.

201. Mineralogy.—
A study of the common crystal forms and the practical methods for the identification of the useful minerals.
Prerequisite, Chemistry 102. First semester, one lecture and four laboratory hours a week, three credits.

202. Petrology.—
A study of the more common and important rocks, including methods of recognition, and the interpretation and uses of them.
Prerequisite, course 201. Second semester, one lecture and four laboratory hours a week, three credits.

301. Regional Geology.—
A study of the geologic structures and the history of the upper Mississippi valley. This course is given particularly for students living in Minnesota, Wisconsin, Iowa and northern Illinois.
Prerequisite, course 102. First semester, three hours a week, three credits.

302. Economic Geology.—
A study of the most important geologic products of the earth, their mode of occurrence and secondary alterations. The time is given largely to the useful metals, coal, oil and the building materials.
Prerequisites, courses 102 and 202. Second semester, three hours a week, three credits.

311-312. Paleontology.—
A laboratory and lecture course dealing with the most important genera and species of invertebrates, followed by a course in fossil biology, devoted largely to ancestral mammals.
Prerequisite, Biology 301 or Geology 102. One year, one recitation and four laboratory hours a week, six credits.

401R. Individual Course.—
In this course the student selects a problem involving field or laboratory work in the branch of the subject in which he is especially interested. The aim is to develop initiative and resourcefulness. Detailed maps and reports are required.
Prerequisite, twelve credits in Geology. Either semester, two or three credits.
German

Professor Milroy and Miss Schultz

Course 101-102 is not counted toward a major or minor.

101-102. Elementary German.— Miss Milroy and Miss Schultz

Essentials of grammar, reading, conversation. This course is intended for students who have had no German.

One year, five hours a week, eight credits.

201-202. Intermediate German.— Miss Milroy and Miss Schultz

Reading of at least 400 pages of narrative prose (stories) with a review of grammar, accompanied by prose composition; conversation.

Prerequisite, course 102 or two years of high school German. One year, four hours a week, eight credits.

206. Scientific German.— Miss Schultz

A reading course for science students. Elective as a substitute for course 202 by permission of the department.

Second semester, four hours a week, four credits.

301. Survey of German Literature.— Miss Schultz

A general survey course up to the classic period; readings and reports.

Prerequisite, course 202. First semester, three hours a week, three credits.

302. Lessing.— Miss Schultz

A brief study of his life and times and the reading of at least two of his important works.

Second semester, three hours a week, three credits.

303-304. Modern Prose and Drama.— Miss Milroy

General reading course.

Prerequisite, course 202 if the language was begun in college. Those presenting three years of high school German may elect either this course or one of courses 301, 302 or 310. One year, three hours a week, six credits.

305. Goethe.— Miss Milroy

Study of Goethe's life and of his lyrics, ballads, dramas and prose works.

Prerequisite, courses 307 and 310 or their equivalent and fifty-four credits. First semester, three hours a week, three credits. Not offered 1932-1933.

306. Goethe's Faust.— Miss Milroy

Critical and Analytical study of Part I, its sources and development.

Prerequisite, course 305 and fifty-four credits. Second semester, three hours a week, three credits. Not offered 1932-1933.
307. Studies in History of German Literature.—Miss Milroy
General survey of German literature from the earliest times to
the end of the Middle Ages.
Prerequisite, course 304, or equivalent. First semester, three hours
a week, three credits.

308. Lyric Poetry.—Miss Milroy
Development of German lyric poetry from the Middle Ages to
our own day.
Prerequisite, fifty-four credits. Second semester, three hours a week,
three credits. Not offered 1932-1933.

309. Composition.—Miss Schultz
Advanced Syntax, practical composition and conversation.
First semester, two hours a week, two credits.

310. Schiller.—Miss Milroy
A rapid survey of his life and the reading of several of his
dramas and his most important poems.
Second semester, three hours a week, three credits.

402. Teachers’ Course.—Miss Milroy
Methods of teaching, text-books, phonetics, etc. Required of
all those who desire to teach German; with others optional.
Prerequisite, course 304 or equivalent and ninety credits. Second
semester, two hours a week, two credits.

405R. Individual Course.—Miss Milroy
Independent work may be done by any advanced student in
the department by special arrangement.
One or two credits.

Greek
Professor Hall

Course 101-102 is not counted toward a major or minor.
Courses 201-202 and 203-204 are counted as 300 courses for
third year students.

101-102. Grammar.—
A study of the elements of the language. Drill in form, vo-
cabulary, syntax and composition. Readings from Xenophon’s
Anabasis.
One year, five hours a week, eight credits.

112. Classic Mythology.—
A study of the more important myths of Greece and Rome
with special attention to their use in English literature.
Second semester, two hours a week, two credits.
201-202. **Xenophon or Lucian and Homer.**
(a) The Hellenica, Books I and II, with discussion of the earlier stages of the Peloponnesian war or Lucian’s Charon or Timon and selected short dialogues, with a survey of the literary and social conditions of the age.

(b) The Iliad, Books I-IV in literary and grammatical study.
Prerequisite, course 102. One year, four hours a week, eight credits.

203-204. **The Greek Testament.**
This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek.
Prerequisite, course 102. One year, four hours a week, eight credits. Not offered 1932-1933.

301. **Athenian Orators.**
Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure.
Prerequisite, course 202. First semester, three hours a week, three credits.

302. **Plato.**
The Apology and Crito. Socrates and his teachings, with readings from Xenophon’s Memorabilia.
Prerequisite, course 202. Second semester, three hours a week, three credits.

311. **Greek Literature in Translation.**
Studies in the classic prose writers and poets of Greece for students having no knowledge of Greek.
Prerequisite, fifty-four credits. First semester, two hours a week, two credits.

**History**

**Professors Ritchey and Holmes**

A major in History consists of twenty-four credit hours selected under the guidance of the department. In the additional eighteen hours from groups II or IV required for graduation there should be included at least six hours from the following courses: Political Science 252, 253; Sociology 201; Economics 231-232.

A major includes courses 101-102 and 203, 204; either 211, 212 or 305. Three hours of Economic History may be counted toward a major in this department.

A minor consists of fifteen credit hours.
Course 450 does not count toward a major or a minor.
101-102. The Modern World.— MR. RITCHEY
A survey of the cultural achievements of ancient and medieval society followed by a more detailed study of the development of modern civilization and its problems. Lectures and conferences in conjunction with English 101-102.
Open to freshmen only. Freshmen who enter in the second semester will receive three hours credit upon the completion of the semester's work.
One year, three hours a week, six credits.

201, 202. English History.— MR. HOLMES
The development of political, religious, economic, social and literary interests will be traced throughout the history of the English people.
First semester, to 1603; second semester, to the present time.
Prerequisite, twenty-four credits. One year, three hours a week, six credits.

203, 204. History of the United States, 1783-1925.—MR. RITCHEY
The period covered during the first semester extends through the Civil War. The second semester's study will give particular attention to social and economic factors in recent national life.
Prerequisite, twenty-four credits. One year, three hours a week, six credits.

211. Ancient Civilization.— MR. HOLMES
A study of the historical development of early culture with chief stress on Greek and Roman civilization.
Prerequisite, twenty-four credits. First semester, three hours a week, three credits.
Alternating with course 305. Offered 1932-1933.

212. Medieval Civilization.— MR. HOLMES
The development of European culture from the decline of the Roman Empire to the opening of the sixteenth century.
Prerequisite, twenty-four credits. Second semester, three hours a week, three credits. Alternating with course 306. Offered 1932-1933.

301, 302. Modern Europe.— MR. HOLMES
An intensive study intended to acquaint students with the development of political, social and economic forces in European history. A study will be made of the personalities involved in the period. During the second semester emphasis will be placed on the international problems which arose subsequent to 1870.
Prerequisite, fifty-four credits, including course 101-102. One year, two or three hours a week, four or six credits.
305. Renaissance and Reformation.— MR. HOLMES
Lectures and assigned readings covering the period from about 1300 to 1648, and dealing with the revolt from established authority which characterized cultural and religious life during this period.

Prerequisite, fifty-four credits, including course 101-102 or 212. First semester, three hours a week, three credits. Alternating with course 211. Not offered 1932-1933.

306. The French Revolution.— MR. HOLMES
A study of social, economic and political forces leading to the upheaval of 1789 and continuing to the Congress of Vienna.

Prerequisite, fifty-four credits, including course 101-102. Second semester, three hours a week, three credits. Alternating with course 212. Not offered 1932-1933.

311. Minnesota and the Northwest.— MR. RITCHEY
A general survey of the settlement and development of the Northwest together with a more detailed study of the history of Minnesota.

Prerequisite, fifty-four credits, including course 203, 204. First semester, three hours a week, three credits. Alternating with course 313. Not offered 1932-1933.

313. The Westward Expansion of the United States.— MR. RITCHEY
A study of the westward expansion of the United States and the political and economic problems involved.

Prerequisite, fifty-four credits, including course 203, 204. First semester, three hours a week, three credits. Alternating with course 311. Offered 1932-1933.

401-402. Special Topics.— MR. RITCHEY AND MR. HOLMES
This course is intended to give introductory training in methods of research to students whose major is history.

Prerequisite, ninety credits. One year, two hours a week, four credits.

450. Teachers' Course.— MR. RITCHEY
This course is intended to assist in the preparation of those who expect to teach history in secondary schools. It does not count toward a major or minor.

Prerequisite, ninety credits, and Education 301. Second semester, two hours a week, two credits.
Latin

Professor Palmer

A major in Latin consists of twenty credits of which fourteen must be in five courses, numbered 300 or above. A minor consists of twelve credits of which six must be 300 courses. Students who desire a recommendation for teaching Latin are required to have had at least four years of high school Latin and course 402, but are strongly urged to take course 306. Those who have met this minimum requirement can be recommended for teaching only the first two years of Latin. Those wishing to teach more than that must take at least one year of advanced Latin. In addition to the courses required in the Latin department a major student is advised to secure a minor in Greek, and to elect Economics 361, History 211, Philosophy 311 and English 216 and 358.

101-102. Elementary Latin and Caesar.—
A thorough study of Latin grammar supplemented by easy reading and a few selections of connected Latin.
One year, five hours a week, eight credits.

201-202. Intermediate Latin.—
Selections from the orations of Cicero and from Virgil’s Aeneid. A brief study of the life and history of the times in which these men lived. No credit is given for one semester unless the student offers three units of Latin from preparatory school.
Prerequisite, two years of high school Latin or course 102. One year, four hours a week, eight credits.

301. Livy.—
Selections from the first ten books, read with especial attention to the growth and topography of the city of Rome.
Prerequisite, four years of high school Latin or course 202. First semester, three hours a week, three credits.

302. Comedy.—
Representative plays of Plautus and Terence. Collateral work in the history of the drama and the Roman theatre.
Prerequisite, course 301. Second semester, three hours a week, three credits.

303. Cicero.—
Readings from Cicero’s essays and philosophical works.
Prerequisite, four years of high school Latin or course 202. First semester, three hours a week, three credits. Not offered 1932-1933.
304. **Horace.**—
Selections from the whole of Horace's works.
Prerequisite, course 303. Second semester, three hours a week, three credits. Not offered 1932-1933.

305. **Poets of the Republic.**—
Study of the poets of the republican period with especial emphasis on the writings of Catullus and Lucretius.
Prerequisite, fifty-four credits and one 300 course. First semester, three hours a week, three credits.

306. **History of Latin Literature.**—
Lectures on the lives and writings of the important Latin authors. A reading knowledge of Latin is advisable.
Prerequisite, fifty-four credits. Second semester, two hours a week, two credits.

307. **Writers of the Silver Age.**—
Selections from Tacitus and Pliny the Younger, along with a study of the history of that period.
Prerequisite, courses 302 and 304. First semester, three hours a week, three credits.

308. **Roman Poetry.**—
A survey of Latin Poetry from Vergil to the Church Fathers.
Prerequisite, courses 302 and 304. Second semester, three hours a week, three credits.

309. **Advanced Composition.**—
A thorough review of Latin Grammar in connection with prose composition.
First semester, two hours a week, two credits.

402. **Teachers' Course.**—
Consideration of the problems pertaining to the teaching of high school Latin.
Prerequisite, course 202. Second semester, two hours a week, two credits.

**Mathematics and Astronomy**

**Professors Kingery and Jensen**

Courses 101, 102 and 106 are not counted toward a major or minor. Course 307-308 and Physics 201-202 are required for a major.

101, 102. **Algebra, Trigonometry and Analytic Geometry.**—
*Mr. Kingery and Mr. Jensen*
This course is for those who present only two units in high school mathematics.
One year, four hours a week, eight credits.
106. Mechanical Drawing.— MR. KINGERY
A course designed for those preparing for technical schools.
Second semester, four hours a week, no credit. Not offered 1932-1933.

201-202. Analysis.— MR. KINGERY AND MR. JENSEN
A course in College Algebra, Trigonometry and Analytic Geometry. Methods of calculus are introduced.
One year, four hours a week, eight credits.

204. Surveying.—
Prerequisite, course 202. Second semester, three hours a week, three credits. Not offered 1932-1933.

301-302. Advanced Analysis.— MR. JENSEN
Rectangular, polar and parametric equations, derivatives, integrals, double and triple integration, differential equations.
Prerequisite, course 202. Four hours a week, eight credits.

304. Analytic Mechanics.— MR. JENSEN AND MR. HASTINGS
This course is listed as Physics 304.
Prerequisite, courses 302 and Physics 202. Second semester, three hours a week, three credits.

306. Mathematics of Investment.— MR. JENSEN
Prerequisite, course 202. Second semester, three hours a week, three credits.

307-308. Advanced Calculus.— MR. KINGERY
Integral Calculus with introduction to Differential Equations.
Prerequisite, course 302. One year, three hours a week, six credits

351. Astronomy.— MR. KINGERY
Text-book, lectures and practical work with sextant, transit and clock.
Prerequisite, course 302. First semester, three hours a week, three credits.

401. Advanced Algebra and Geometry.— MR. JENSEN
Intended especially for those preparing to teach.
Prerequisite, course 302. First semester, three hours a week, three credits.

Music
MR. JENSEN, MR. FENYVES, MR. GUGGISBERG, MR. AYRES,
MR. MESSEAS, MISS HECK AND MISS YOUNG

Music may be chosen as a major or a minor. Students with a major in music and a minor in history may count History of Music as part of the minor. The total number of credits permitted in music is forty-four.
For a major in music a minimum of eight credits is required in one branch of applied music. The maximum number of credits permitted in applied music is sixteen. Four credits in Physics 101-102 are required.

For a minor in music a minimum of four credits is required in one branch of applied music.

1. Courses required for a major in music with a maximum number of credits (44):

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<tr>
<th>First Year</th>
<th>Fourth Year</th>
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<tr>
<td>Elementary Harmony</td>
<td>(A) Advanced History Composition or Normal Piano</td>
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<tr>
<td>Ear Training</td>
<td>or Normal Voice or Applied Music</td>
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<td>Applied Music</td>
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<tr>
<th>Second Year</th>
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<tbody>
<tr>
<td>Advanced Harmony</td>
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<tr>
<td>History of Music</td>
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<td>Applied Music</td>
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<tr>
<th>Third Year</th>
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<tr>
<td>(A) Analysis</td>
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<td>Counterpoint</td>
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<td>Applied Music</td>
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<tr>
<td>(B) Analysis</td>
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<td>Public School Music</td>
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2. Courses required for a major in music with a minimum number of credits:

<table>
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<th>(A) Elementary Harmony</th>
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<tr>
<td>Ear Training</td>
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<tr>
<td>Advanced Harmony</td>
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<tr>
<td>History of Music</td>
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<tr>
<td>Analysis</td>
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<td>Applied Music</td>
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<tr>
<th>(B) Elementary Harmony</th>
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<tbody>
<tr>
<td>Ear Training</td>
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<tr>
<td>Advanced Harmony</td>
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<tr>
<td>History of Music</td>
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<tr>
<td>School Orchestra</td>
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<td>Applied Music</td>
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3. Courses required for a minor in music:

<table>
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<tr>
<th>Elementary Harmony</th>
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<tr>
<td>Ear Training</td>
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<td>Applied Music</td>
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For a detailed description of courses, see Conservatory of Music.

**101-102. Elementary Harmony.**— **Mr. Jensen**

One year, two hours a week, four credits.

**103-104. Ear Training.**— **Mr. Jensen**

Open only to students who are registered for Music 101-102, or who have previously completed this course.

One year, one hour a week, two credits.
105-106. Chorus.—
One year, one hour a week, one credit. Special registration at Conservatory of Music.

201-202. Advanced Harmony.—
Prerequisite, course 102. One year, two hours a week, four credits.

203-204. History of Music.—
One year, three hours a week, six credits.

301-302. Analysis.—
Prerequisite, course 202, or permission of instructor. One year, two hours a week, four credits.

303-304. Counterpoint.—
Prerequisite, course 202, or permission of instructor. One year, two hours a week, four credits.

305-306. Composition.—
Prerequisite, courses 302 and 304. One year, two hours a week, four credits.

307-308. Advanced History of Music.—
Prerequisite, course 204. One year, two hours a week, four credits.

309. Folk Song.—
First semester, one hour a week, no credit. Required of all students of Public School Music.

310. Modern Trends in Music.—
Prerequisite, course 301. Second semester, one hour a week, one credit.

401-402. Public School Music.—
Prerequisite, one year of voice. One year, two hours a week, four credits. Special fee, $40.00 a semester.

403-404. Advanced Public School Music.—
Prerequisite, course 402. One year, two hours a week, four credits. Special fee, $40.00 a semester.

405-406. Normal Training in Piano.—
One year, two hours a week, four credits.

407-408. Normal Training in Voice.—
One year, two hours a week, four credits.

409-410. School Orchestra.—
One year, one hour a week. Required of all Public School Music students.

Applied Music.—
Piano, Voice, Organ, Violin, Ensemble.
Special fees according to instructor.
Philosophy

PROFESSOR A. W. ANDERSON

A major in this department should include courses 205, 209, 220, 312. A minor should include courses 205, 209, 220 or 312.

205R. Ethics.—
This course includes, so far as time allows, history, ethical theory, psychology of the moral life, discussion of practical problems of our time and philosophical implications.
Prerequisite, twenty-four credits or Psychology 201. Either semester, three hours a week, three credits.

209. Logic and Scientific Method.—
An elementary course in the principles of thinking. It includes, so far as time permits, the methods of science, recent developments in logic, and exercises in critical thinking.
First semester, three hours a week, three credits.

220. Introduction to Philosophy.—
A course intended to introduce the student to the problems of the meaning of the world. It will seek to explain what the chief problems are and help the student in some constructive thinking about them.
Second semester, three hours a week, three credits.

305. Development of Morals and of Moral Ideas.—
A study in the development of morals as illustrated in primitive and more advanced peoples; a comparison of some types of morality; the growth of morality in the individual.
Prerequisite, course 205 and Psychology 201. First semester, two hours a week, two credits.

311, 312. History of Philosophy.—
The emphasis is placed on the leading thinkers and systems, with their backgrounds and relations to the general progress of thought. The second half of the year’s work begins with John Locke. Credit is given for either semester.
Prerequisite, fifty-four credits. One year, three hours a week, six credits.

316. Recent Philosophy.—
A study of the recent statements of problems and of contributions to their solution.
Prerequisite, course 220 or 312. Second semester, two hours a week, two credits. Not offered 1932-1933.
325. Mind and Body.—
An historical sketch of opinions held on their relationship, followed by discussion of theories of the present day as they relate to this topic.

Prerequisite, fifty-four credits. First semester, two hours a week, two credits.

326. Philosophy of Religion.—
On the nature and philosophic implications of religion, but with particular reference to the Christian view of the world.

Prerequisite, fifty-four credits. Second semester, two hours a week, two credits.

330. Modern Idealism.—
Typical idealistic philosophers are studied thru selected works with the hope of awakening a larger appreciation of the idealistic point of view.

Second semester, two hours a week, two credits. Not offered 1932-1933.

Physics
Professor Hastings

For a major in Physics, courses 201, 202, 301, 302, 304, 411 are required and eight credits in each of Mathematics and Chemistry are prerequisite. A minor in Mathematics or Chemistry is recommended to students majoring in Physics. A thesis is required upon graduation in connection with the individual work in course 411.

For a minor in Physics, the following courses are suggested: 201, 202, and either 301, 302 or 304.

Students in the Conservatory of Music should register for course 101-102 to fulfill their science requirement.

Pre-medical and pre-dental requirements are fulfilled by course 201-202.

Physics 101-102 and 402 do not count towards a major, minor, pre-medical or pre-dental requirement.

101-102. Sound.—
A course designed primarily to meet the requirements in the Conservatory of Music. A few others may elect this course with special permission. Part of the first semester is devoted to a summary of mechanics and heat with special emphasis on any
application to sound. The remaining time is devoted to a detailed study of sound, including the following topics: the production and temperament of the scale on different instruments; analysis of vocal and instrumental tones; concord and discord; acoustics, showing the propagation, reflection and absorption of sound waves. Students will be given fundamental experiments in sound throughout the course.

One year, one lecture, one recitation, and one laboratory demonstration a week, four credits.

201-202. General College Physics.—
An introductory survey of the field of physics, consisting of lecture demonstrations, discussions and laboratory practice. This course meets the minimum requirement for pre-medical and pre-dental students and gives the basis upon which all succeeding courses in physics are built. The practical side of physics is emphasized wherever possible and each student is required to perform about thirty basic experiments each semester.

Prerequisite, Mathematics 102. One year, one lecture, one recitation, and two two-hour laboratory periods a week, eight credits.

221. Principles of Radio Communication.—
A course intended to give students interested in radio an opportunity to experiment with the simpler and more fundamental radio circuits. The characteristic curves of vacuum tubes are plotted, tube constants are measured, and fundamental receiving and broadcasting sets are set up and investigated.

Prerequisite, course 202. First semester, one recitation and two two-hour laboratory periods a week, three credits.

301. Mechanics and Heat.—
A complete survey of the more advanced principles of mechanics and heat including discussions of the modern developments in physics. Thermodynamics is introduced in this course. Experiments are performed on such subjects as centrifugal force, harmonic motion, hygrometry and viscosity. Each student is required to perform about thirty quantitative experiments and to consider the probability and origin of errors in measurement, together with methods for their elimination.

Prerequisite, course 202. First semester, two recitations and two two-hour laboratory periods a week, four credits.
302. **Sound, Light and Electricity.**—

An advanced study of the fundamental principles of sound, light and electricity using the methods of precision of measurement described under course 301. Of the thirty experiments performed, over half are in electricity, affording the student an opportunity to familiarize himself with electrical measuring instruments. In sound, work is done with the vibrograph, while in light, experiments are performed using the photometer, spectrometer, and interferometer.

Prerequisite, course 202. Second semester, two recitations and two two-hour laboratory periods a week, four credits.

304. **Analytical Mechanics (Mathematics 304).**—

This course presents the application of mathematics to the solution of physical problems. The course is run in conjunction with the department of Mathematics. Students will be given instruction in the mathematical and physical aspects of mechanics by members of the faculty of both departments.

Prerequisite, Physics 202 and Mathematics 302. Second semester, three hours a week, three credits.

402. **Teachers' Course.**—

A study of the content of a high school course in physics. Special attention is given to the arrangement of the subject-matter and the methods of teaching. Students in this course will be given experience in demonstrating principles of physics before the class, and will be required to report on the content of some of the more popular texts now used in high school physics.

Prerequisite, course 302. Second semester, two recitations a week, two credits. This course does not count toward a major or a minor.

411R. **Advanced Experimental Physics.**—

In this course the student is allowed to carry on experimentation in some particular field of his own choosing, subject to the approval of the head of the department. The aim of such a course is to deepen rather than to broaden the student's knowledge of the subject, and also to cultivate a taste for research. The course may be repeated with different topics.

Prerequisite, course 301 or 302. Either semester, four hours a week, two credits.
Psychology

PROFESSORS FRANKLIN AND MCLEAN

201R. General Psychology.—
An introductory survey of the theory, principles, laws and applications of normal human psychology. An impartial position is assumed with regard to contending views and schools. An attempt is made to point the study toward a more intelligent understanding of human conduct in every-day life.

Prerequisite, twenty-four credits. Either semester, three hours a week, three credits.

305. The Psychology of Childhood.—
A study of childhood, including the sources and characteristics of original nature and how it may be modified; social and non-social instincts; the original basis of the power to think; imagination in childhood; plasticity and habit formation; play and its significance; religious and moral tendencies, and suggestions regarding mental health in childhood.

Prerequisite, course 201. First semester, three hours a week, three credits.

306. The Psychology of Adolescence.—
The general characteristics of the adolescent period; its influence, physiological characteristics, accompanying mental and social changes; the appreciation of art and beauty, and the growth of moral concepts, with additional work toward the development of a better understanding regarding this period in the life of the individual.

Prerequisite, course 201. Second semester, three hours a week, three credits.

311. Problems of Psychology.—
A study, in greater detail, of some of the principles and theories of psychology, designed to supplement certain of the more important material dealt with in General Psychology. The experimental and comparative methods will be used insofar as conditions permit.

Prerequisite, course 201. First semester, three hours a week, three credits.
312. **Applied Psychology.**

Psychology in its practical application to major fields of human endeavor, such as law, medicine, education, business and industry, together with principles of vocational psychology, and methods whereby human behavior may be predicted and controlled.

Prerequisites, fifty-four credits and course 201. Second semester, three hours a week, three credits.

313. **Psychology and Personality.**

A psychological study of Personality in Experience, dealing with the individual and his development in such realms as the social, esthetic, moral and religious. Consideration of man's original equipment, its modification in experience, concepts of self, motivation and creative work, and the drawing of material from the fields of literature, drama, religion, art and science, will be included in the work of the course.

Prerequisite, course 201. First semester, three hours a week, three credits.

314. **Abnormal Psychology.**

An inquiry into the origin and development of abnormal behavior; relation of normal to abnormal behavior; the psychopathology of normal life; disorders of sensation, perception, association, memory and emotion; hysteria, suggestion and hypnosis, dreams, compensatory disorders; effect upon total personality; possible approaches to adjustment; a program of mental hygiene for college students.

Prerequisites, fifty-four credits and course 201. Second semester, three hours a week, three credits.

402. **Advanced Problems of Psychology.**

An advanced course devoted to the study of psychological problems, designed for students who desire to continue investigations begun in the regular courses, or to carry on individual research in the field of their vocational choice. Admission by permission of the instructor. Hours to be determined by the group.

Second semester, two hours a week, two credits.

Other courses for which credit is given in this department are: Education 201, Religion 336 and Sociology 301.
Religion
Including Bible and Religious Education

Professors Wallace, Franklin, Kagin and McLean

The aim of the department is two-fold: first, to familiarize every student of the institution with the literature upon which Christianity is based and lead him to a rational, Christian interpretation of the universe; and second, to discover, to inspire and train those students who have the capacity for Christian leadership, for professional or lay service in the church. The work of the department is given on three levels, as follows:

Required Courses.—8 credits in the department are required for graduation. These must include course 101-102 or course 105.

Minor.—The aim of this minor is to give leadership training to those students who wish to devote some of their time to volunteer work in the various activities of the church. 12 credits, including courses 201 and 321 are required in addition to courses 101-102 or 105.

Major.—

1. This schedule aims to give a pre-vocational foundation to those who are preparing to study for the Christian ministry. At least 20 credits are required, including courses 103, 201, 315 and 321.

Prerequisites, course 101-102, or 105, Philosophy 220, and Greek 101-102.

2. This plan aims to give a pre-vocational foundation for those intending to pursue further work in professional schools of religious education. At least 20 credits are required, including courses 103, 201, 315, 321 and one of the following methods courses 322, 331, 332 and 334.

Prerequisites, courses 101-102, or 105, Philosophy 220, Sociology 201 and Education 201.

101-102. The Life and Teachings of Christ.—Mr. Franklin

A Harmony of the Gospels is used for careful study and interpretation in small conference sections. In addition, lectures are given on the political and religious conditions of the times, on the characteristics and viewpoints of the gospels, on the growth and present status of Christianity and on certain outstanding Christian beliefs.

An effort is made to present Christ vividly as the Saviour and Master of mankind and to orient the student in the Christian world of today.

Both semesters are required for credit.

One year, two hours a week, four credits.
103. **Old Testament History.**—**Mr. Franklin**
A study of the History of the Hebrew people from the earliest times to the Maccabean period. This course is basic, a prerequisite to advanced work in the department. Offered in special cases in place of course 101-102.

First semester, three hours a week, three credits.

105R. **The Life of Christ.**—**Mr. McLean**
A rapid survey of the material covered in course 101-102, with less emphasis upon detail, and more stress laid upon the large lines of development, and the permanent results of the career of Jesus Christ. This course may be substituted for the required course 101-102.

Either semester, two hours a week, two credits.

201R. **The Missionary Labors of the Apostles.**—**Mr. Kagin**
These studies are based on the Acts of the Apostles and in part on the New Testament Epistles. The growth of the early church is carefully traced and the whole movement is viewed as a continuation of the work of Christ thru the agency of the Holy Spirit and of His inspired apostles. The authorship and credibility of the Acts, its teaching concerning Jesus, the Holy Spirit, and the organization of the early church receive special attention.

Prerequisite, twenty-four credits. Either semester, two hours a week, two credits.

203. **Church History.**—**Mr. Kagin**
This course is designed to give a survey of the rise, growth, and development of the Christian Church to the present time. Special emphasis is given to outstanding characters and events.

Prerequisite, twenty-four credits. First semester, three hours a week, three credits.

204. **Missions and World Citizenship.**—**Mr. Kagin**
A survey course of the progress of world-wide Christian propaganda. Lectures, lantern slides, character sketches of great missionaries by members of the class, and letters from missionaries on the field are features of the course. Special attention is given to current movements in foreign lands which bear on the mission problem.

Prerequisite, twenty-four credits. Second semester, three hours a week, three credits.
208. Prophets of Israel.— MR. FRANKLIN

This course consists of a careful study of the prophets, their place in history and in the life of their nation and their communities. Emphasis is laid upon their ethical and religious messages and their permanent contribution to the religious thinking of the world.

Prerequisite, course 103. Second semester, three hours a week, three credits.

301-302. The Literary Study of the Bible.— MR. FRANKLIN

This course is designed for students desiring to make a thorough study of the various types of literature represented in the Hebrew and Christian Scriptures. Emphasis is laid on the growth of the literature out of historical situations, and on the special characteristics of the various types of literary production. First semester: Old Testament. Second semester: New Testament.

Prerequisite, twenty-four credits. One year, two hours a week, four credits. Not offered 1932-1933.

311. Essentials of Christian Belief.— MR. KAGIN

The aim of this study is to lead the thoughtful student to discover the reasonableness of the essentials of the Christian faith in this scientific age. The following topics will be discussed: God, the self, revelation, redemption, and life after death.

First semester, two hours a week, two credits. Not offered 1932-1933.

312. Comparative Religion.— MR. KAGIN

A study of the great religious systems of the world including Hinduism, Buddhism, Zoroastrianism, Confucianism, Taoism, Shintoism and Islam. An analysis of the elements common to these systems and Christianity and of the elements that are peculiar to Christianity.

Second semester, two hours a week, two credits.

313. Social Teachings of Christianity.—

This includes a careful study of the social teachings of the Bible, their influence on the institutions of mankind, their application to current problems and comparison with the social teaching of some of the other leading religions.

First semester, two hours a week, two credits.
314. Christianity and the State.—
The object of this course is to train the student in Christian statesmanship, to ascertain and classify the biblical principles that have to do with the functions and problems of the State, including the State's international relations, to trace the influence of these principles in the development of free institutions, to make clear the moral basis of democracy, to show that the highest statesmanship must be Christian and that this statesmanship is imperatively demanded by present world conditions and that by these alone can party platforms and public policies be soundly tested.

Second semester, two hours a week, two credits.

315. Principles of Moral and Religious Education.—
A critical examination of the principles underlying educational theory as related to the moral and religious fields with special consideration given to the bearing of current philosophical and psychological systems upon the teaching of religion. An attempt is made to point out adequate foundations upon which a system of religious training may be built.

Prerequisite, fifty-four credits, including Philosophy 220. First semester, three hours a week, three credits.

321. Organization and Administration of Religious Education.—
A comprehensive survey of the problem of the organization of church schools and their correlation with public school systems. Special emphasis is given to a study of the organization and administration of the local church school and the week-day school of religion.

Prerequisite, fifty-four credits. First semester, three hours a week, three credits.

322. Curriculum Building in Religious Education.—
The purpose of this course is to study the origins and historical development of the present religious curriculum, to formulate the educational principles and to state the fundamental theory which should govern the making of a curriculum of religious education, and to describe and in some measure to estimate the essential value of the current curricula of our church schools in the light of the most significant trends in modern educational theory and practice.

Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.
331. Week-Day Religious Education.—
A study of the origin, growth and development of the week-day school of religion. Emphasis is laid on organization, administration, needs of the curriculum, community cooperation, and correlation of the work with the public school system. Opportunity is given for practical experience in week-day schools.

Prerequisite, fifty-four credits. First semester, three hours a week, three credits, one of which is earned by practical experience.

332. Young People’s Work.—
This course is designed to acquaint the student with the history, problems, and methods of work for adolescents in the local church.

Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.

334. Pedagogy in Religious Education.—
A study of the theory and technic of teaching religion, including objectives and classroom procedure, and the planning, preparation and presentation of lessons.

Prerequisite, fifty-four credits. Second semester, three hours a week, three credits, one of which is earned by practical experience.

336. Psychology of Religious Experience.— Mr. Kagin
A study of the following phases of religious experience will be taken up from the psychological point of view: analysis of religious experience, its relation to general psychology; racial roots, the personal factor, and the origin and development of religious experience; sin, conversion, conduct control, belief in God, worship, prayer, inspiration and belief in life after death.

Prerequisite, fifty-four credits, including Psychology 201. Second semester, three hours a week, three credits.

401, 402. Individual Course.—
Properly qualified students may pursue a subject of special interest under the guidance of the instructor within whose field the subject lies. Opportunity is given for extended research and a written report is required.

First or second semester or one year, two or four credits. Open only to seniors whose major is Religion, except by special permission.

Psychology 305 and 306 may count toward a major or minor in the Department of Religion.
Sociology

PROFESSORS RYDER AND BERRY

This department purports to assist in the preparation of students for teaching in the social sciences, for professional social work, for social administration and for intelligent and useful citizenship.

Twenty credits are required for a major and twelve for a minor. Courses 301, 304 and 310 are required for a major. Those who plan a major or minor in the subject should confer with their advisers and outline their course sequences as early as possible.

Basic courses in the following departments are recommended as correlative to Sociology: Biology, Geology, Economics, Political Science, History, Psychology and Philosophy.

A. Sociology

201R. Principles of Sociology.—MR. RYDER

An introductory course. The nature of human nature; the origins and development of social groups, organizations and institutions; the meaning of society; social isolation; contact and interaction; social processes; social forces and their control; collective behavior, social progress and social values.

Prerequisite, twenty-four credits. Either semester, three hours a week, three credits.

301. Social Psychology.—MR. RYDER

The application of the principles of psychology to social life and behavior; instinctive and emotional expression; gesture, language and communication; conscious and unconscious imitation; objectivity and self-consciousness; wishes and attitudes; the interactions of individuals and groups; mass phenomena and social adjustments.

Prerequisites, course 201 and Psychology 201. First semester, three hours a week, three credits.

303. Anthropology.—MR. RYDER

A study of social origins and cultural development; prehistoric man, his concepts and culture patterns; the evolution of tools, food processes, clothing, housing, agriculture, war, transportation, property, the family, economic activities, government, education, the fine arts, ethics and religion; the diffusion of culture traits and achievements.

Prerequisite, course 201 and fifty-four credits. First semester, three hours a week, three credits.
304. Criminology.— Mr. Ryder
A study of criminal behavior; causative factors in delinquency and crime; the history of penal theories and practices; the growth of penal institutions, parole, and the indeterminate sentence; the police, courts and other agencies of justice; contemporary changes in the treatment of the offender and in the prevention of delinquency and crime; field trips to local courts, the Capitol and the state prison at Stillwater.
Prerequisite, course 301. Second semester, three hours a week, three credits.

305. Modern Cities.— Mr. Ryder
A sociological study of modern city life; a survey of social changes, and their relation to urban civilization; the attraction of the city; urban ecology and institutions; rural versus urban mores; municipal problems in the United States; the urban community and the technic of social control.
Prerequisite, course 201. First semester, three hours a week, three credits.

306. The Rural Community.— Mr. Ryder
A consideration of the rural community as a sociological group; historic forms of village economy; contemporary changes in rural conveniences, communication, institutions and cooperation; economic and political problems of the farmer; agrarian movements in American life; the development of urban contacts, leadership, surveys, organizations and alignments. A natural sequence to course 305.
Prerequisite, course 201. Second semester, three hours a week, three credits.

307. Social Control.— Mr. Ryder
The interests and methods of the social sciences; the rise and growth of the symbolic and institutional means of social control; disrupting forces in the social order; social changes and current problems of control; the specific methods and agencies of control.
Prerequisite, course 201 and fifty-four credits. First semester, three hours a week, three credits. Not offered 1932-1933.

308. Social Problems.— Mr. Ryder
An advanced course in the study of man's quest for social guidance and of major social problems; mechanical changes and social maladjustments in the realms of race, population, the
economic system, government, international relations, education, health, the family, morals and religion; the possibilities of social attitudes, values, justice and reconstruction.

Prerequisite, course 201 and fifty-four credits. Second semester, three hours a week, three credits.

310. Social Progress.— MR. RYDER
A survey and analysis of the theories of society which have been held by the different nations and schools of thought. The course will deal first, with the great values and ends that lie behind the scientific and other endeavors of man and secondly, with the agents, processes, attitudes, technic, institutions and situations that have either thwarted or advanced social progress.

Prerequisite, fifty-four credits, including course 201. Second semester, three hours a week, three credits. Not offered 1932-1933.

312. The American Negro.— MR. RYDER
A study of the Negro problem as typical of all race relationships; the historic background of the Negro in Africa and America; the Negro in the Civil War; the days of reconstruction; the Negro since the Civil War; the Negro in the World War; recent migrations; Negro literature and art; proposed solutions of the Negro problem; the future of the Negro.

Prerequisite, course 201. Second semester, three hours a week, three credits. Not offered 1932-1933.

402. Methods in the Social Sciences.— MR. DAVIS, MR. RYDER AND MR. YOUNG
This course is offered primarily for candidates for a teacher's certificate; a methodological approach to the social disciplines; comparative analyses of representative treatises and practices in the social sciences; methods of classroom procedure; student projects in teaching.

Prerequisite, basic courses in Economics, Political Science, and Sociology, and fifty-four credits. Second semester, two hours a week, two credits.

B. Social Work

152. The Field of Social Work.— MISS BERRY
An introductory course in social problems. Their causes, prevention and treatment are studied by means of readings, lectures and visits to social agencies. The course is planned to aid students to meet their obligations as Christian citizens.

Second semester, three hours a week, three credits.
251-252. Social Case Work.— Miss Berry
This includes a study of the technic of analysis and treatment of individual and family problems. Fundamental principles of social treatment are taught thru the study of case records, readings and lectures.
Prerequisite, course 152. One year, three hours a week, six credits.

253, 254. Child Welfare.— Miss Berry
The obligations of society to the child; a study of social agencies and laws for the welfare of the child. This includes problems of child labor, vocational guidance, health, mental hygiene, recreation, dependency and juvenile delinquency.
Prerequisite, course 152. One year, three hours a week, six credits.

351. The Family.— Miss Berry
Contemporary problems of the family, including family attitudes, antagonisms, changing status of women, divorce, marriage laws and employment of women.
The necessary background is secured by a study of the family as the principal primary group and a medium of control, its various forms and their contributions.
Prerequisites, course 152 and fifty-four credits. First semester, three hours a week, three credits.

352. Field Work.— Miss Berry
The application of the principles of social case work thru field work in cooperation with the St. Paul United Charities.
Prerequisites, courses 251, 351, Economics 231, Sociology 301 and ninety credits. Second semester, six hours of field work, two credits.

353. Settlements.— Miss Berry
The history, philosophy, development and spiritual significance of the settlement, its problems and activities.
Special emphasis on the technic of program planning and club leadership.
Prerequisite, Sociology 201 or Economics 231. First semester, one hour of class work, three hours of field work, in cooperation with Twin City social agencies, two credits.

355. Immigration and the Immigrant.— Miss Berry
A study of immigrant problems, racial antagonisms, claims of racial superiority, immigration laws, restriction, and Americanization programs.
Prerequisite, Sociology 201 or Economics 231 completed or in progress. First semester, three hours a week, three credits.
357. **Social Survey.**— Miss Berry

A course in methods of organizing and conducting social surveys, analyzing the results, and presenting the facts graphically for the improvement of existing social conditions. Survey is conducted by the members of the class.

Prerequisite, Sociology 201 or Economics 231. First semester, one hour of class work, three hours of field work, two credits.

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### Spanish

**Professor Chalfant**

Course 101-102 is not counted toward a major or minor.

**101-102. Elementary Spanish.**—

Grammar, composition, conversation, reading.

One year, five hours a week, eight credits.

**201-202. Intermediate Spanish.**—

Composition and conversation, together with readings largely from Latin American literature and reports from Spanish periodicals.

One year, four hours a week, eight credits.

**205. Business Spanish.**—

Practice in commercial letter writing in Spanish and a study of business terms and definite forms of business letters. Correspondence with South American and Mexican business firms. Also a short study of economic conditions and business opportunities in Spanish-American countries. The course includes a rapid review of Spanish grammar.

Prerequisite, course 202. First semester, three hours a week, three credits.

**301-302. The Modern Spanish Novel.**—

Reproductions and reports.

One year, three hours a week, six credits.

**303-304. Introduction to the Study of the Modern Spanish Drama.**—

The authors to be especially studied—Galdos, the Quinteros, Benavente.

One year, three hours a week, six credits.
305. Life and Works of Cervantes.—
    This course includes the study of the life and works of Cervantes with special stress upon Don Quijote. A brief study will also be made of the "Siglo de Oro" and the principal contemporaries of Cervantes. Compositions in Spanish, based upon the works read, will be expected.
    Prerequisite, course 202. First semester, three hours a week, three credits.

311. Advanced Composition.—
    This course consists of letter-writing, free reproductions and original compositions. As a part of the work there will be given a complete review of Spanish Grammar.
    Prerequisite, course 202. First semester, two hours a week, two credits.

313. Modern Spanish-American Literature.—
    The object of this course is practical. Lectures in Spanish will be given by the instructor on the history, development and literature of the Spanish-American countries. Outside reading and reports in Spanish will be required.
    Prerequisite, course 202. First semester, two hours a week, two credits.

402. Teachers’ Course.—
    In this course the modern methods of teaching Spanish are discussed. Text-books and other supplementary books and material useful in the teaching of Spanish are recommended and examined. A review of Spanish grammar and a study of phonetics are carried on throughout the course. Observation of high school, college and university classes in Spanish, with reports on such observation is required.
    Prerequisite, two years of Spanish. Second semester, two hours a week, two credits.
Physical Education

All candidates for graduation are required to have two years of Physical Education and a semester course in Personal Hygiene and must be able to pass an elementary swimming test.

First year students must register for courses 101-102 and 103 or 107.

Second year students must register for 203-204 or 205-206.

In September of every year each student is given a thorough physical examination. Special work is arranged for those who show a need of corrective exercises or for those who are unable to take the regular courses.

Men

MR. PRIMROSE, MR. GOWANS, DIRECTORS

Intercollegiate teams are maintained in football, basketball, track and field, swimming, ice hockey and tennis. Credit for gymnasium attendance is given to regular members of the squads who are selected by the coach. They are not required to take gymnasium work while on the squad, but must return to the Physical Education classes after the completion of a sport season.

Special effort is made to interest all men in athletic contests, who are not on the inter-collegiate squads. Regular schedules are formed each year for 12 teams in basketball, handball and kitten-ball. Inter-class games are held in swimming, hockey, handball, tennis, golf, track and field and basketball.

Students who expect to receive a special teacher's certificate in Physical Education from the Minnesota State Department of Education, must complete, in addition to the work in this department, the following courses in Science: Biology 101-102, 204, 301.

101-102. Elementary Gymnastics.—

Correct posture in standing, sitting and walking; marching; tactics; calisthenics. Beginning light and heavy apparatus work. Boxing, wrestling and swimming. When the weather permits, out-of-door mass games, as well as a variety of competitive games, may be substituted for the indoor work.

Required of freshmen. One year, two hours a week.
103R. Personal Hygiene.— Mr. Primrose
Lectures and discussions of the relation of exercise to correct habits of living.
Required of freshmen, one semester, one hour a week.

105R. Elementary Swimming.— Mr. Primrose
This course aims to enable the student to swim well enough to meet emergencies.
Open to all, two hours a week.

107. Health Education.— Mr. Primrose
This course will consist of lectures, recitations and preparation of digests upon practical methods of sanitation, care of the body, correct methods of exercising, and proper foods.
Required of candidates for the special teacher's certificate in Physical Education. First semester, two hours a week, two credits.

201-202. Advanced Gymnastics and Apparatus Work.— Mr. Primrose
Physiology of exercise. Leadership developed by students taking charge of class groups. Gymnastic, wrestling, boxing and swimming teams organized.
Prerequisite, course 102. One year, two hours a week.

203-204. Advanced Swimming.— Mr. Primrose
A continuation of course 105. May be substituted for course 201-202.
Prerequisite, course 105, or equivalent. One year, two hours a week.

207. Corrective Gymnastics.— Mr. Primrose
Methods of examination for the detection of physical defects of posture and structure of the body, and the prescribing of exercises and games to correct these defects.
First semester, two hours a week, two credits.

305. First Aid and Athletic Training.— Mr. Primrose
A study of first aid methods and treatment of athletic injuries. The members of this class will be required to work one hour a week in the training room. (The official American Red Cross course in First Aid is followed.)
First semester, one hour a week, one credit.

306. Kinesiology.— Mr. Primrose
A study of the mechanics of muscular work and the physiology of exercise and play.
Prerequisite, course 201-202. Second semester, one hour a week, one credit.
308. Playground Methods and Activities.— Mr. Primrose
Games, stunts and relays based on the modern idea of physical education through play and games. This course gives special instruction in athletic gymnastic type of exercise.
Second semester, two hours a week, two credits.

401-402. Theory of Sports.— Mr. Gowans
The major sports (football, basketball, track and field, hockey, and swimming) will be studied from the practical and theoretical sides of offense and defense. Strategy of games, scouting, psychology of coaching, study of rules and officiating will also be covered. The student will be required to help coach and officiate freshman, inter-class and intra-mural team games.
One year, two hours a week, four credits.

404. Organization and Administration of Athletics.— Mr. Gowans
This course treats of the place of Physical Education in the academic curriculum, schedule making, purchasing of equipment, construction of athletic fields and gymnasiums, organization of conferences, handling of games and tournaments and the administrative duties of the director of athletics.
Second semester, two hours a week, two credits.

Women
Miss Hofland, Director
The equivalent of two hours a week is required in each season of all freshman and sophomore women, to be elected from activities offered in swimming or seasonal sports.
The college year is divided into three seasons: 1. Fall (Sept. to Nov.) 2. Winter (Nov. to April) 3. Spring (April to June)
At the beginning of each season all women taking elective or required work must register in the gymnasium for their work for that season.

101-102, 201-202. Field and Gymnasium Sports.—
Choice of:
Fall: archery, hockey, tennis, golf, speedball.
Winter: volleyball, basketball, recreational sports (which include deck tennis, shuffleboard, aerial darts, ping pong, paddle tennis), clogging and Folk dancing.
Spring: baseball, tennis, archery and golf.
103R. **Personal Hygiene.**—
A series of discussions and projects directed toward the solving of individual and group health problems with special emphasis on correct habits of posture, exercise and daily living.
Required of freshmen. One semester, one hour a week.

105-106. **Elementary Swimming.**—
This course aims to enable the student to swim well enough to meet emergencies.
Open to all, two hours a week.

111. **Remedial Activities.**—
Special developmental and remedial work adapted for students having postural or organic weakness.

203-204. **Intermediate Swimming.**—
A continuation of course 105-106, which will enable the student to swim with ease and confidence. Strokes, simple diving and stunts included.
Prerequisite, course 105, or equivalent. One year, two hours a week.

303-304. **Advanced Swimming.**—
Strokes, diving, life-saving and water stunts.
Prerequisite, course 204, or ability to pass intermediate test. One year, two hours a week.

Students are advised not to purchase swimming or gymnasium suits until class instructions have been received.
Macalester College Conservatory of Music

Faculty

CARL A. JENSEN, Director; Musical Theory, Organ, College Choir.
GABRIEL FENYVES, Piano.
CARL F. GUGGISBERG, Voice, Voice Normal.
HAROLD AYRES, Violin.
JAMES MESSEAS, Cello.
MATHILDA HECK, Public School Music.
JESSIE MAY YOUNG, Piano, Piano Normal.

Associate Faculty

RUTH BACH, Piano.
ELAINE GERBER, Piano.
HELEN HARRIS, Violin.
SADIE GINGOLD HENLY, Piano.
THOMAS LARIMORE, Piano.
ANNE McCLOUD PIERCE, Voice.
DORA S. SCHAETTGEN, Piano.
CLAIRE THORALDSON, Piano.
MYRTLE WEED, Piano.
RALPH WIGE, School Orchestra.
Entrance Requirements

The Bachelor of Music Degree is attainable by those students only who have qualified to meet the entrance requirements of the college as set forth on pages 29 and 30 of this bulletin.

Any certificate or diploma conferred by the Conservatory is attainable by those students only who are graduates of accredited high schools or academies requiring a four year course.

All students who enroll in courses leading to graduation or certification are required to enter at the beginning of the school year.

Students who enroll for private instruction only may enter at any time during the year.

Degrees and Certificates

Bachelor of Music Degree.—This degree is recommended only to those who, when they enter college, have an unusual talent for Applied Music and who are desirous of reserving ample time for practice. They are then allowed to obtain in music eighty of the one hundred twenty-six credits required for graduation.

<table>
<thead>
<tr>
<th>Academic Requirements</th>
<th>Major Electives</th>
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<tbody>
<tr>
<td></td>
<td>(A) Piano ............ 28 credits</td>
</tr>
<tr>
<td>Religion ............ 8 credits</td>
<td>Voice ................. 4 &quot;</td>
</tr>
<tr>
<td>English 101-102 .............. 6 &quot;</td>
<td>Chorus ................ 4 &quot;</td>
</tr>
<tr>
<td>Philosophy 205 ............... 3 &quot;</td>
<td>Accompanying .......... 4 &quot;</td>
</tr>
<tr>
<td>History 211 and 212 ........... 6 &quot;</td>
<td></td>
</tr>
<tr>
<td>French .................... 8 &quot;</td>
<td></td>
</tr>
<tr>
<td>German .................... 8 &quot;</td>
<td></td>
</tr>
<tr>
<td>Physics 101-102 ............. 4 &quot;</td>
<td></td>
</tr>
<tr>
<td>Psychology 201 .............. 3 &quot;</td>
<td></td>
</tr>
</tbody>
</table>

Requirements in Theory of Music

|                               | (B) Voice ............ 24 credits |
|                               | Piano .................. 8 " |
| Elementary Harmony ........... 4 credits | Chorus ................. 4 " |
| Ear Training ................. 2 " | Accompanying .......... 4 " |
| Advanced Harmony ............ 4 " |                                |
| History of Music ............ 6 " |                                |
| Analysis .................... 4 " |                                |
| Modern Trends ............... 1 " |                                |
| Counterpoint ................ 4 " |                                |
| Advanced History ........... 4 " |                                |
| Composition ................ 4 " |                                |
| Orchestration ............... 4 " |                                |
| Normal Piano or Normal Voice according to major . 4 " |                                |

Credits in Applied Music are based on the number of lessons taken, the number of hours of practice, and the work accomplished. The candidate is expected to show marked ability for public performance by appearing frequently in student recitals and by giving at least three public recitals, from memory, of advanced difficulty. Credit toward the degree is granted for recital work.

Bachelor of Arts Degree with Major or Minor in Music.—Any college student may elect music as a major or minor. On a
major the maximum number of credits allowed is forty-four and the minimum required is twenty-eight. A minor in music requires a minimum of sixteen credits.

**Diploma of the Conservatory.**—This diploma is awarded to any student who completes the senior grade in any branch of Applied Music, together with the following theoretical work: eight credits (two years) in Harmony, two credits (one year) in Ear Training, four credits (one year) in Form and Analysis, four credits (one year) in Counterpoint, and six credits (one year) in History of Music.

One public recital is to be given in the junior year and one in the senior year.

This course is open to those who are not enrolled in the college.

**Certificate of the Conservatory in Public School Music.**—This certificate is given to those who complete the two years' course in Public School Music Methods, two years of Harmony, one year of Ear Training, one year of Form and Harmonic Analysis, one year of History of Music, one year of Voice, two years of School Orchestra, one semester of Folk Song and one semester of Modern Trends in Music. The Department of Education of the State of Minnesota grants a certificate to those who complete this course.

**Certificate of the Conservatory in Normal Piano or Voice.**—This certificate is granted to those who complete one year of Normal Training, together with two years of Harmony, one year of Ear Training, and one year of Musical History. The course may be completed in two years provided the student shows enough proficiency in the chosen branch of Applied Music.

This course is open to those who are not enrolled in the college.

### Courses of Study

#### Theory

**101-102. Elementary Harmony.**—*Mr. Jensen*

Text-book used, "The Theory and Practice of Tone Relations" by Goetschius.

One year, two hours a week, four credits.

**103-104. Ear Training.**—*Mr. Jensen*

Required of all students of Harmony. One year, one hour a week, two credits.

**105-106. Chorus.**—*Mr. Jensen*

One year, one hour a week, one credit.

**201-202. Advanced Harmony.**—*Mr. Jensen*

Text-book used, "The Theory and Practice of Tone Relations" by Goetschius.

Prerequisite, course 102. One year, two hours a week, four credits.
203-204. History of Music.— MR. JENSEN
Music is one of the most vital forms of self-expression possessed by humanity. Musical art, as we enjoy it today, is the fruit of many centuries of evolutionary development. It is the function of history to trace this growth from its remote beginnings, on through its numerous intermediate stages, down to the present era. This course includes a broad and comprehensive survey of the entire field of Musical History, supplemented by special study of the chief branches of the art, and of the forms and instruments pertaining to each. The text-book used is "The History of Music" by Pratt. For research, our students have access to excellent reference works in the St. Paul and Minneapolis public libraries.
One year, three hours a week, six credits.

301-302. Form and Harmonic Analysis.— MR. JENSEN
This includes analysis of harmonic structure and a study of form structure from the simple period to the larger complex types of musical composition. It is the purpose of the course to acquaint the student with the means and methods employed by the masters in the art-craft of music building. Text-books used, "Harmonic Analysis" by Cutter, and "Lessons in Music Form" by Goetschius.
Prerequisite, course 202. One year, two hours a week, four credits.

303-304. Counterpoint.— MR. JENSEN
This course includes simple counterpoint in strict style, in two, three, four or more parts; invertible counterpoint; imitation; elementary fugal exposition.
Prerequisite, course 202. One year, two hours a week, four credits.

305-306. Composition.— MR. JENSEN
Prerequisites, courses 302 and 304. One year, two hours a week, four credits.

307-308. Advanced History of Music.— MR. JENSEN
Special research work in various branches and periods of music.
Prerequisite, course 204. One year, two hours a week, four credits.

309. Folk Song.— MR. JENSEN
First semester, one hour a week, no credit. Required of all students of Public School Music.

310. Modern Trends in Music.— MR. JENSEN
Prerequisite, course 301. Second semester, one hour a week, one credit.
401-402. Public School Music Methods.— Miss Heck
This course is devoted to the study and demonstration of methods and materials for the kindergarten and the first six grades. Special attention is given to the study of the child voice; rote singing; introduction of sight-reading; tonal and rhythmic problems; testing and classification of voices; music appreciation. Observation of classroom work is required.
Prerequisite, one year of voice. One year, two hours a week, four credits.

403-404. Advanced Public School Methods.— Miss Heck
This course is devoted to the study and demonstration of methods and materials for seventh and eighth grades, Junior and Senior High School. Special attention is given to three- and four-part music; the changed voice; conducting; chorus; glee club; harmony; courses in music. Observation and practice teaching required.
Prerequisite, course 402. One year, two hours a week, four credits.

405-406. Normal Training in Piano.— Miss Young
A study of the principles underlying piano technic; modern methods of teaching piano. Special attention is given to the child’s first lessons. Practice teaching required.
One year, two hours a week, four credits.

407-408. Normal Training in Voice.— Mr. Guggisberg
This course is open only to students who have had at least one year intensive voice study. The course includes voice history, problems in different methods of voice building, the psychology of singing and voice physiology; practical study of different voices and the principles of teaching, under supervision.
One year, two hours a week, four credits.

409-410. School Orchestra.— Mr. Wige
One year, one hour a week. Required of all Public School Music students.

Piano

Prerequisites.—A candidate for entrance to the freshman year in piano should have a good knowledge of all scales and arpeggios and should present at least one movement from an easy sonata of Haydn, Mozart or Beethoven. Those who are deficient in entrance requirements must enter one of the preparatory grades. No college or conservatory credits are granted for work in these grades.
Below is given a brief outline of technical work to be followed as closely as possible by the instructors. At the close of each semester, the student is examined by the director upon the work of that semester as outlined, and progress toward completion of the course is determined upon the result of that examination.

**Freshman I.**—Scales (major, harmonic, minor and chromatic) in 8th notes. M. M. 72 quarters

Major and minor tonic triads and inversions.

**Freshman II.**—Scales in 8th notes. M. M. 100 quarters

Parallel and contrary motion.

Selections from French and English suites of Bach.

**Sophomore I.**—Scales in 16th notes. M. M. 72 quarters

Thirds, sixths and tenths.

**Sophomore II.**—Scales in 16th notes. M. M. 90 quarters

Tonic triad arpeggios, parallel and contrary motion. Two-part Inventions of Bach.

**Junior I.**—Scales in 16th notes. M. M. 108 quarters

Dominant and diminished seventh chords, solid, broken and arpeggios.

**Junior II.**—Scales in 16th notes. M. M. 120 quarters

Octave scales. Review of previous work. Three-part Inventions of Bach. A public recital is required in this year.

**Senior I.**—Scales in 16th notes. M. M. 144 quarters

Double thirds and double sixths. Well-tempered Clavichord of Bach.

**Senior II.**—A graduation recital.

**Voice**

**Concurrent Requisite.**—One year of piano is required of students with a major in music whose elected branch of applied music is voice.

**Freshman Year.**—A study of the simplicity of breath control as applied to vocal as well as dramatic art; a study of the vowels; exercises in relaxation; drill in intonation and rhythm, tone production, and placing. The instructor will choose vocalizes best
adapted to the needs of the student. At least twenty songs of moderate difficulty must be memorized, with special attention to English diction.

**Sophomore Year.**—Continued drill in vocal technic, quality and equality of tone production, interpretation, enunciation, accuracy and style. Four easier selections from oratorio and opera. Rudiments of Italian diction and the study of early Italian music. Fifteen classic art songs must be memorized and only such songs are accepted toward graduation.

**Junior Year.**—Drill in vocal technic, sight singing, ear tests and style. A working knowledge of one foreign language, either French or German, as outlined in the regular college course is required. Special attention is paid to diction in these languages. Fifteen classic or modern songs must be memorized. The student should take the course in voice normal and is required to appear in public recitals.

**Senior Year.**—The study of program building, suitable repertoire from the best song literature, stage technic, elements of dramatic art as applied to any suitable opera role. It is required that thirty classic or modern songs be memorized by this year, preferably in the language in which they are written. A senior recital is required.

**Organ**

**Prerequisite.**—Students, before taking up the study of the organ, should be able to play the piano reasonably well, at least music of an intermediate grade, such as the Czerny Velocity studies, Bach's Inventions, and the sonatas of Mozart and Haydn.

**Freshman Year.**—An instruction book is used, such as "The Technique and Art of Organ Playing" by Clarence Dickinson, "The Organ" by Stainer, or Clemens' "Modern School for the Organ." Great stress is made of the idea of laying a solid foundation for the future development of a finished organ technic.

**Sophomore Year.**—Such material as "Master Studies for the Organ" by Carl, Nilson's "Pedal Playing" are drawn upon. The easier works of Bach, from the Widor-Schweitzer edition, are thoroughly studied.

**Third Year.**—Continuation of the study of Bach's works, sonatas of Mendelssohn, Guilmant, and other examples of organ literature.
Fourth Year.—Further continuation of the study of Bach, more particularly the larger and more difficult works. The symphonies, sonatas, choral preludes, suites, concert overtures of such composers as Rheinberger, Merkel, Franck, Widor, Vierne, Karg-Elert, Hollins, etc., and the best compositions of many other writers for the organ, both ancient and modern, are used throughout the course.

The requirements of church service playing are continually kept in mind, and students are drilled in hymn playing and accompaniments of sacred solos or anthems.

Violin

Concurrent Requisite.—One year of piano is required of students with a major in music whose elected branch of applied music is violin.

Preparatory Grade.—Special attention in forming the positions of the violin and bow. Easy studies in the first position to suit capabilities of each pupil.


Credits are allowed on the same basis as for piano.

Recitals

Recitals are given at the Conservatory each year by advanced students and members of the faculty. All students of music are expected to attend.

Concerts

Students of Macalester Conservatory have many opportunities to attend musical events in the cities of St. Paul and Minneapolis.
Opera companies visit the Twin Cities each season, the Minneapolis Symphony Orchestra gives sixteen concerts, membership in the Schubert Club of St. Paul and the Thursday Musicale of Minneapolis is open to students, and there are constant opportunities to attend recitals by the foremost artists of the country.

**Sorority**

A chapter of the Sigma Alpha Iota sorority was installed at the Conservatory in 1923. All women students whose scholarship and musical attainments reach a satisfactory mark may join. It gives opportunity for social and musical events and for meeting members of other chapters. This sorority claims a wide membership, representing the highest accomplishments in music.

**Preparatory Department**

Macalester Conservatory has a large and flourishing Junior and Intermediate Department. Students are accepted at any age or stage of advancement and may enter at any time. Our teachers have been required to take courses in Normal Training and to have made especial preparation for the instruction of children. Students who enter the Preparatory Department may look forward to completing the preparatory course in four years when upon examination they may be admitted to the college course.

**Tuition**

College students pay their bills for music courses at the college office at the beginning of each semester. All subjects taught at the Conservatory are included in the college tuition except the Public School Music courses and private lesson courses in Applied Music.

Students who take music only without entering the college may enroll at any time of the year and pay their tuition at the Conservatory.
The following terms for lessons are based on a semester of eighteen weeks.

Piano: According to Instructor
Voice: " " "
Violin: " " "
Organ: " " "
Elementary Harmony: $14.00
Ear Training: 7.00
Advanced Harmony: 14.00
History of Music: 21.00
Analysis: 14.00
Counterpoint: 14.00
Advanced History: 14.00
Composition: 14.00
Normal Piano: 14.00
Normal Voice: 14.00
Public School Music: 40.00
Advanced Public School Music: 40.00
*School Orchestra: 10.00
Class Instruction in Piano for Beginners: 13.50
Piano Practice, one hour daily: 8.00
Organ Practice, per hour: .40
Conservatory diploma: 7.00

In case the registration for any class is too small, the Conservatory reserves the right to abandon the class or to raise the terms.

*This fee is not required of students in Public School Music.
Honorary Degrees
Conferred by Macalester College

D. D. to Rev. J. Le Moyne Danner ................. Deceased
LL. D. to Hon. Thomas Wilson .................. Deceased
M. A. to Myron A. Clark, '90 .................... Deceased
D. D. to Rev. Harry Clinton Schuler, Macalester, '95 .... Teheran, Persia
D. D. to Rev. John Hansen Sellie, Macalester, '95 .... Le Sueur, Minn.
1911: D. D. to Rev. Charles Allen Clark, Macalester, '99 .... Pyeung Yang, Korea
LL. D. to Hon. James Jerome Hill ............... Deceased
1915: Litt. D. to Rev. John Wright ................. Deceased
1916: Mus. M. to Harry Phillips ................. Deceased
Mus. M. to George H. Fairclough ............... St. Paul, Minn.

1919: LL. D. to Rev. Dwight Witherspoon Wylie, New York City

D. D. to Rev. Thomas W. Graham ................. Oberlin, Ohio

D. D. to Rev. Thomas M. Findley ................ Deceased

D. D. to Rev. Charles Petran ................. Minneapolis, Minn.
D. D. to James Wallace, Ph. D ..................... St. Paul, Minn.


1925: D. D. to Rev. Frank Harvey Throop .......... Columbus, O.

D. Sc. to Prof. R. U. Jones ...................... St. Paul, Minn.


Roll of Students
Senior Class

Mayme Margaret Axling ........................................ St. Paul, Minn.
Wilbur Wilford Bloom ........................................ Cambridge, Minn.
Dorothy Mary Bodwell ........................................ St. Paul, Minn.
Henrietta Bonaparte ........................................ St. Paul, Minn.
Verda M. Branch ............................................... St. Paul, Minn.
Joel Wilbur Broberg .......................................... Willmar, Minn.
William Samuel Carlson ...................................... St. Paul, Minn.
Byron Barlow Cochrane ........................................ Crookston, Minn.
Janet Rachel Davies ........................................... Gettysburg, Pa.
Billy Irving Davis ............................................. Mound, Minn.
Willard John Davis ............................................ Benson, Minn.
Alvin John DeBoer ............................................. Pollock, S. D.
Wenzil Kermit Delille Dolva ................................ Morris, Minn.
Elisabeth Caldwell Dow ....................................... Minneapolis, Minn.
Dwight Basil Early ............................................ Windom, Minn.
Mary Elizabeth Edwards ....................................... Elysisan, Minn.
Rudolph Ehnbom ................................................ St. Paul, Minn.
Verdi Frederick Ellies ......................................... Brownton, Minn.
Donald Fergus Erickson ....................................... Wausau, Wis.
George Chester Erickson ..................................... Stratford, Iowa
Dorothy Lorraine Ernst ....................................... St. Paul, Minn.
Dorothy Halpine Flint ......................................... St. Paul, Minn.
Evelyn Sybilla Freeman ...................................... St. Paul, Minn.
David Martin Fulcomer ....................................... Gardenville, New York
Eleanor Bess Furtney .......................................... St. Paul, Minn.
Grace Jane Garen ............................................. Forest Lake, Minn.
Catherine Viola Germain ..................................... Winnebago, Minn.
Evelyn Nancy Giesking ....................................... St. Paul, Minn.
William Martin Goetzinger ................................ Elbow Lake, Minn.
Amy Frances Groff ............................................. Minneapolis, Minn.
Howard William Groth ........................................ St. Paul, Minn.
Russell Thaddeus Grout ....................................... Beaver Creek, Minn.
Mildred Rose Grunau .......................................... South St. Paul, Minn.
Bernard George Gutz .......................................... Pequot, Minn.
Gloria Florence Hackett ...................................... St. Paul, Minn.
Frances Myrthle Hager ....................................... Owatonna, Minn.
Ruth Elizabeth Halvorson .................................... St. Paul, Minn.
Everett Russell Hames ........................................ Fergus Falls, Minn.
William Leslie Haney .......................................... Eveleth, Minn.
Frances Foster Hanley ........................................ St. Paul, Minn.
Emma Frances Harrison ....................................... Minneapolis, Minn.
Milton Blair Hart .............................................. Delavan, Minn.
Harriet Amelia Hedman ....................................... St. Paul, Minn.
Vera Bell Holle ................................................ Minneapolis, Minn.
Donald Norris Holscher ...................................... Albert Lea, Minn.
John Andrew Holt ............................................. North Branch, Minn.
Edgar Scott Howard ........................................... Minneapolis, Minn.
Helen Louise Huntoon ......................................... St. Paul, Minn.
Hollis Lowell Johnson .............................................. St. Paul, Minn.
Howard Charles Johnson ........................................ Minneapolis, Minn.
Erwin Albert Jung ................................................. St. Paul, Minn.
Evelyn Beatrice Kallaher ........................................ St. Paul, Minn.
Margaret Ruth Klingbeil .......................................... Blooming Prairie, Minn.
Hugo Karl Kneefel ................................................. St. Paul, Minn.
Margaret Lorimer Knox ........................................... St. Paul, Minn.
George Carl Koehler ............................................. St. Paul, Minn.
Arden Wayne Koelz ................................................ Cottonwood, Minn.
Ralph Royal Kolstad ............................................... St. Paul, Minn.
Elizabeth Ann Kranz .............................................. St. Paul, Minn.
Helen Emma Krauss ................................................ St. Paul, Minn.
Arlene Catherine Ledvina ........................................ Bayport, Minn.
Edwin Fridolf Lindholm .......................................... Ortonville, Minn.
Margaret Medora McCullough ..................................... Virginia, Minn.
Dorothy MacWilliams ............................................... St. Paul, Minn.
Leland Macumber ................................................... St. Paul, Minn.
Elizabeth Jean Manuel ............................................ Minneapolis, Minn.
Myrtle Grace Maxwell ............................................. Minneapolis, Minn.
Muriel Fern Miller ................................................ Flandreau, S. D.
Florence Alma Mitchell .......................................... Carson Lake, Minn.
Willis Engler More ................................................ Blue Earth, Minn.
Rachel Lorraine Moulton ........................................ Minneapolis, Minn.
Glenn Jesse Mouritsen ............................................ St. Paul, Minn.
Robert Marion Muir ................................................ Jackson, Minn.
Frank DeLee Naegeli .............................................. Fergus Falls, Minn.
Roxana Lohiker Neal .............................................. St. Paul, Minn.
Irah Northrop ....................................................... Minneapolis, Minn.
Horace Albert Nystrom ........................................... Worthington, Minn.
Helen Marie Olson ................................................ St. Paul, Minn.
Hugh Donald Patterson ............................................ Brainerd, Minn.
Anton Theodore Pearson .......................................... St. Paul, Minn.
Signe Othelia Peterson ........................................... Prentice, Wis.
Maurice Maynard Powers .......................................... Cresco, Iowa
Emil Winfred Puffenberger ..................................... Massillon, Ohio
Cecil William Robertson .......................................... Winnebago, Minn.
Jane Marie Robertson ............................................. Minneapolis, Minn.
Gertrude Myrtle Rulkoetter ...................................... Minneapolis, Minn.
Hilbert Richard Sandholm ........................................ Cokato, Minn.
Frances Dorothy Schaeffer ...................................... Elbow Lake, Minn.
Chester Ralph Schmitt ............................................ Jordan, Minn.
Oliver Conrad Severson ........................................... Minneapolis, Minn.
Horace James Smith .............................................. Faribault, Minn.
William Theodore Steeland .................................... Rushford, Minn.
Armin Herbert Steinhauser ..................................... Lambertton, Minn.
Marjorie Florence Strachan ..................................... St. Paul, Minn.
Wilfred Roland Stube ............................................. Slayton, Minn.
Els John Suomalainen ............................................. Buhl, Minn.
Pearl Helen Swope .................................................. Anoka, Minn.
Margaret Domenica Veronda ..................................... Keewatin, Minn.
Henrietta Susanne Williams ..................................... Minneapolis, Minn.
James George Zimmerman ........................................ White Bear Lake, Minn.
Junior Class

Arthur Emil Roy Anderson .................................................. Princeton, Minn.
Lorraine Violet Anderson .................................................. St. Paul, Minn.
Louise Corinne Bailey ....................................................... St. Cloud, Minn.
Dwight Harold Ball .......................................................... Minneapolis, Minn.
Holly Amelia Barck ........................................................... Albert Lea, Minn.
Charles Joel Beck ............................................................ Mountain Iron, Minn.
Roy Henry Boldt .............................................................. Davenport, Iowa
Edwin Eric Brandt ............................................................ Wetaskiwin, Alberta, Can.
Archie Campbell .............................................................. Minneapolis, Minn.
Robert Clark Carey ........................................................... Hayfield, Minn.
Hazel Lillian Cates ........................................................... Albert Lea, Minn.
Everett Benjamin Coulter ................................................... Lamberton, Minn.
Richard Hoffman Creeger .................................................. Luverne, Minn.
Irene Edna Critchfield ....................................................... St. Paul, Minn.
Helen Dorothy Davies ....................................................... Gettysburg, Pa.
Benjamin Drake .............................................................. Minneapolis, Minn.
Wanda Elizabeth Edwards .................................................... St. Paul, Minn.
Digny Irene Erickson .......................................................... Hibbing, Minn.
Harvey Dorlin Erickson ...................................................... Minneapolis, Minn.
Meldon Oscar Erickson ...................................................... St. Paul, Minn.
William Edmund Fitzsimons ................................................ St. Paul, Minn.
Lorna Jeanette Forbes ....................................................... South St. Paul, Minn.
Sarah Regina Frank ........................................................... Buffalo, Minn.
Floyd Edward Gerth .......................................................... Sanborn, Minn.
Donald Orrin Gilman .......................................................... Willmar, Minn.
Marian Elizabeth Gray ....................................................... Minneapolis, Minn.
Arthur Alfred Hakel .......................................................... Silver Lake, Minn.
Louise Gould Harding ......................................................... Hudson, Wis.
Helen Esther Harris .......................................................... St. Paul, Minn.
Vivian Bertha Hemming ...................................................... Morris, Minn.
Elwyn Raymond Hudec ....................................................... Silver Lake, Minn.
Mudel Lewis Humphrey ..................................................... St. Paul, Minn.
Elizabeth Vincent Hunt ..................................................... St. Paul, Minn.
Enid Florence Ironside ..................................................... Browns Valley, Minn.
Harold John Jerabek ......................................................... Silver Lake, Minn.
Kermit Robert Kammer ..................................................... Chatfield, Minn.
Agnes Keller ................................................................. Mankato, Minn.
Wilford Albert Kespohl ..................................................... Floodwood, Minn.
Carl Walter Kick .............................................................. Pine City, Minn.
Goodwin Albert Kjos ........................................................ Rushford, Minn.
Fred Henry Koch ............................................................. St. Paul, Minn.
Geraldine Kriz ............................................................... St. Paul, Minn.
Evangeline Naomi Larson .................................................. St. Paul, Minn.
Frank Flanders McKean ..................................................... Baker, Minn.
Ann Dorothy McMillen ..................................................... Albert Lea, Minn.
Mildred Lucille Marble ..................................................... St. Paul, Minn.
Ben Theodore Meckel ...................................................... St. Paul Lea, Minn.
Reuben Benjamin Meckel ................................................... St. Paul, Minn.
Jules Owens Meyer ........................................................... St. Paul, Minn.
Iona Mae Meythaler .......................................................... Groton, S. D.
Virginia Elmira Mills ....................................................... Appleton, Minn.
William Henry Morris ....................................................... Willmar, Minn.
Myra Margaret Buchanan Morton .......................................... St. Paul, Minn.
Clifford Arthur Nelson ..................................................... South Haven, Minn.
Jennie Levina Norman ...................................................... St. Paul, Minn.
Gladys Caroline Nyquist ........................................ St. Paul, Minn.
Laura Marie Okerman ............................................ Concordia, Kansas
Norma Cynthia Peterson ........................................ Big Lake, Minn.
Paul Jonathan Peterson ........................................ St. Paul, Minn.
Robert Harold Peterson ......................................... Crookston, Minn.
Bernice Marie Pettersen .......................................... St. Paul, Minn.
Merlyn Roger Powell ............................................. Marshall, Minn.
Hayes Alexander Redmond ....................................... St. Paul, Minn.
Donald Hill Rock .................................................. St. Paul, Minn.
Lois Mae Rogers ................................................... St. Paul, Minn.
Henry William Essery Roome ..................................... St. Paul, Minn.
Aubrey Henry Rulkoetter ........................................ Minneapolis, Minn.
Walter Carl Schatz ............................................... Brownton, Minn.
Kenneth Tyrol Severud .......................................... Rushford, Minn.
Seymour L. Simon ................................................ St. Paul, Minn.
John Wallace Snyder ............................................. Alpha, Minn.
Maurine Elizabeth Struthers .................................... Amiret, Minn.
Lawrence Edward Thompson ...................................... Minneapolis, Minn.
Charles Spurgeon Varner ......................................... Diagonal, Iowa
Clara Martha Wahlers ............................................ St. Paul, Minn.
Gertrude Adelaide Waits ......................................... St. Paul, Minn.
Elinor Walker ..................................................... Minneapolis, Minn.
Mabel Elsie Weidauer ........................................... Marshall, Minn.
Ray Eugene Williams ............................................. Minneapolis, Minn.
Anna Catherine Wilson .......................................... Mankato, Minn.
Louise Aletha Wood ............................................... Mankato, Minn.
Earl Edwin Worner ............................................... Wheaton, Minn.
Rachel Yukl ........................................................ Holdingford, Minn.

Sophomore Class

Karl Ernst Albrecht ............................................. St. Paul, Minn.
Louis Philip Albrecht ........................................... Minneapolis, Minn.
Jane Elizabeth Anderson ......................................... St. Paul, Minn.
David Ira Arneson ................................................. Minneapolis, Minn.
Alex Ector Arnold ............................................... Crookston, Minn.
Robert Edward Aurelius .......................................... St. Paul, Minn.
Alberta Carol Bahr ............................................... Red Wing, Minn.
Charlotte Edith Bailey .......................................... Estherville, Iowa
Margaret Elizabeth Ball ......................................... Minneapolis, Minn.
Gordon Claus Bergin ............................................. Minneapolis, Minn.
Alfred Thomas Bowler ............................................ Austin, Minn.
Wallace Charles Britton ........................................ St. Paul, Minn.
Marion Lucile Bryan ............................................. Brainerd, Minn.
Gretchen Andrea Buran .......................................... Roseau, Minn.
Ivan Charles Burg ................................................ Nicollet, Minn.
Charlotte Sarah Carpender ...................................... St. Paul, Minn.
Ralph William Chamberlain ..................................... Hastings, Minn.
Mary O’Rourke Collier ........................................... St. Paul, Minn.
Edwin Vernard Coulter ......................................... Lamberton, Minn.
Katherine Elizabeth Davis ..................................... Minneapolis, Minn.
Robert Kenneth Downie ......................................... Albert Lea, Minn.
Beatrice Louise Dziuk ............................................ Foley, Minn.
Fred Emil Edlund, Jr. ............................................. St. Paul, Minn.
Florence Ethel Emmans .......................................... Bethel, Minn.
Anna Marie Erbele ............................................... Wishek, N. D.
Helen Marie Farnham ............................................ St. Paul, Minn.
Ralph Wilbur Fellman ......................................................... Cazenovia, Minn.
Stephen Douglas Fosmark ................................................. Crookston, Minn.
Mabel Fossen ........................................................................ Fergus Falls, Minn.
William Steinfeldt George ................................................... Mankato, Minn.
Lloyd Clayton Gilman .......................................................... Willmar, Minn.
Eugene Emanuel Grafstrom .................................................. North Branch, Minn.
Lois Evelyn Green .............................................................. St. Paul, Minn.
Arthur Gregory ..................................................................... St. Paul, Minn.
Donna Madge Grube ............................................................ Fergus Falls, Minn.
Earl Victor Hansen .................................................................. Balsam Lake, Wis.
Sylvia Anna Marion Hansen .................................................. St. Paul, Minn.
Helen Mary Harding ............................................................. Hudson, Wis.
Richard Bowne Hazard ....................................................... Minneapolis, Minn.
Eleanor Carolyn Heck .......................................................... St. Paul, Minn.
Adolph William Holt ............................................................ North Branch, Minn.
Lillian Elizabeth Hopeman ................................................... Moorhead, Minn.
Mae Flora Howe ..................................................................... Foley, Minn.
Helen May Hoye ..................................................................... St. Paul, Minn.
Wilbur James Humber .......................................................... Minneapolis, Minn.
Alfred Arthur Jacobson .......................................................... Aitkin, Minn.
Mary Yeager Jarman ............................................................. St. Paul, Minn.
Frances Patsy Johnson ......................................................... Virginia, Minn.
Gladys Pearl Johnson ........................................................... St. Paul, Minn.
Helen Astrid Johnson ............................................................ Foreston, Minn.
Theodore Norton Johnson ...................................................... St. Paul, Minn.
Helen Elizabeth Jones ........................................................... Minneapolis, Minn.
Marian Louise Jones ............................................................ Winnebago, Minn.
Marguerite Amanda Kennedy .............................................. Bismarck, North Dakota
Inga Klakavik ........................................................................ Underwood, Minn.
Marie Annette Kopplin ......................................................... Blue Earth, Minn.
Margaret Helen Krause ........................................................ Hutchinson, Minn.
John Fred Lang ....................................................................... Minneapolis, Minn.
Dorothy Adelaide Larsen .................................................... Clear Lake, Wis.
Viola Kathryn Laughlin ....................................................... Grey Eagle, Minn.
Eleanor Ruth Leavitt ............................................................. St. Paul, Minn.
Audrey Lucile Lidren ........................................................... St. Paul, Minn.
Louise Bertha Liese ............................................................. Harlem, Montana
Violet Esther Liligren ........................................................... St. Paul, Minn.
Evelyn Louise Lott ............................................................... St. Paul, Minn.
William Jacob McAlpin ........................................................ Buffalo, Minn.
Grace Fraser MacIntosh ..................................................... Minneapolis, Minn.
Isabel Alice McKay ............................................................. Park Rapids, Minn.
Mildred Isabelle McLean ..................................................... St. Paul, Minn.
Elizabeth Evelyn Mariner ..................................................... Crookston, Minn.
Herman William Mielke ....................................................... St. Paul, Minn.
Rowe Burrell Million ........................................................... St. Paul, Minn.
William Paul Mohr ............................................................. St. Paul, Minn.
Ruth Kathryn Mouritsen ..................................................... St. Paul, Minn.
Charles Frederick Mullen ..................................................... Madelia, Minn.
Donald Raymond Navratil .................................................... Biscay, Minn.
Leigh Mignon Nerhausen .................................................... St. Paul, Minn.
Enid Lucile Newkirk ............................................................ Deer River, Minn.
Richard Hamilton Nutt ........................................................ Sidney, Montana
Rolyda Emma Ella Olesen .................................................... Lamberton, Minn.
Edward Russell Olsen ........................................................ St. Peter, Minn.
Florence Katherine Orlebeke ................................................ Little Fork, Minn.
Philip Louis Orloski ............................................................. St. Paul, Minn.
Aaron Eldon Palmquist .......................................................... St. Paul, Minn.
George Peck ................................................................. Minneapolis, Minn.
Gladys Ruth Peik ............................................................. Brownson, Minn.
Ada Catherine Peterson .................................................. Big Lake, Minn.
Raymond Conrad Peterson ........................................... St. Paul, Minn.
Pauine Lois Petit .......................................................... Minneapolis, Minn.
Harry Darby Pettersen ................................................ Sisseton, S. D.
Vernon Carl Lynden Petterson ........................................ St. Paul, Minn.
Roland Edmond Rasmussen ................................................ Canby, Minn.
Stanley Griffith Roberts ............................................. Minneapolis, Minn.
Harriet May Schaffner .................................................. St. Paul, Minn.
Eleanor Caroline Schmid ................................................... St. Paul, Minn.
Frances Lorraine Schoettler ........................................ St. Paul, Minn.
Dorothy Alberta Schroeder ......................................... Morton, Minn.
Maxine Lewis Schroer ................................................ Minneapolis, Minn.
Evelyn Lovina Setzler ................................................... Osseo, Minn.
John Wesley Shaffer ..................................................... Pipestone, Minn.
Ruth Sharp ................................................................. Moorhead, Minn.
Ethel Irene Sietsema ..................................................... Edgerton, Minn.
Russell Erwin Simmons .................................................. St. Paul, Minn.
Henry Edwin Simpson ................................................... Chatfield, Minn.
Wilbert Gustav Sindt ..................................................... Pipestone, Minn.
Eldred Leroy Skogberg ................................................ Minneapolis, Minn.
Jean Edwina Steel ......................................................... St. James, Minn.
Roger LeRoy Steltzner ................................................ Rice Lake, Wis.
Florence Elvira Stone ................................................ Minneapolis, Minn.
Ruth Henrietta Stoughton ........................................... Hudson, Wis.
Dorothy Vienna Strunk .................................................. Northfield, Minn.
Ruth Frances Townsend ................................................ Fergus Falls, Minn.
Robert William Hewitt Tricker ........................................ St. Paul, Minn.
Walter Albion Tyler ....................................................... Mound, Minn.
Elroy Venzke ............................................................... Alexandria, Minn.
Georgette Marie Wein .................................................. Willmar, Minn.
Ruth Pauline Weiser ..................................................... St. Paul, Minn.
Russell Howard Wheeler ................................................ Winnebago, Minn.
Earl Howard Wood .......................................................... Mankato, Minn.
Leone Mae Wright ......................................................... St. Paul, Minn.

Freshman Class

Carol Hope Abbett .................................................. Minneapolis, Minn.
Robert L. Ackerberg ................................................... St. Paul, Minn.
Evelyn Addy ............................................................. Minneapolis, Minn.
Emil Dana Almquist ................................................... Madelia, Minn.
Victor Herman Andersen ............................................... Minneapolis, Minn.
Bernyce Abbott Anderson ........................................... Hinckley, Minn.
Donald Robert Anderson ............................................... Maple Plain, Minn.
Simon Peter Anderson .................................................. Boelus, Neb.
Kathryn Jewel Arthur .................................................. St. Paul, Minn.
Robert Maurice Babcock ............................................... Winnebago, Minn.
Albert Irwin Balmer .................................................. Pipestone, Minn.
Catherine Stuart Barclay ............................................. East Orange, New Jersey
Porter Allen Barnum .................................................. Frontenac, Minn.
Eileen Rae Barstow ...................................................... Sandstone, Minn.
Reinhold Kirk Batzer ................................................... Virginia, Minn.
Cordy Lester Bauer ...................................................... Buffalo, Minn.
Donald H. Beihoffer ................................................... Buffalo Lake, Minn.
Curtis Lincoln Bell ...................................................... Sidney, Montana
Albert Martin Bergan .............................................. Williams, Minn.
Roy Henry Bernd ....................................................... New Richmond, Wis.
Robert Fletcher Berquist ........................................... Mankato, Minn.
Eunice Maurine Berryman ............................................ Jackson, Minn.
J. C. Bevan ..................................................................................... St. Paul, Minn.
Jean C. Blaisdell ......................................................... Hayfield, Minn.
Arnold Blaustone .......................................................... Minneapolis, Minn.
Erika Ann Borcherding .................................................. St. Paul, Minn.
Martha Born ............................................................................. St. Paul, Minn.
Stephen Gilbert Borstad .................................................. St. Paul, Minn.
Lucille Clarice Bossen .................................................... Arcadia, Neb.
Harriet Berta Bowen ..................................................... White Bear Lake, Minn.
Owen Stanley Brandser .................................................... Hawley, Minn.
Milan Willard Brink ...................................................... St. Paul, Minn.
Albert C. Brown ............................................................. Mountain Lake, Minn.
Walter Ernest Bunce .................................................... Stillwater, Minn.
Willard Lloyd Burgess .................................................. South St. Paul, Minn.
Alice Irene Burke .......................................................... Waverly, Minn.
Willard Louis Buzzell ..................................................... Austin, Minn.
Edward John Calph ..................................................... St. Paul, Minn.
Catherine Mary Carey ..................................................... Hayfield, Minn.
Walter Alan Carpender ..................................................... St. Paul, Minn.
Catherine Rose Chambers .................................................. Owatonna, Minn.
Olive Marie Christensen .................................................. St. Paul, Minn.
Gerald Arthur Cole ....................................................... Willernie, Minn.
Ward Ray Conklin .......................................................... St. Paul, Minn.
Crystal Catherine Connolly ............................................. White Bear Lake, Minn.
Stanley Humby Conover ................................................. Minneapolis, Minn.
Robert Phil Crawford ................................................... St. Paul, Minn.
Isabel Kathryn Critchfield ............................................. St. Paul, Minn.
Noel Crouch ................................................................. Minneapolis, Minn.
Ann Yuvonne Cussons ...................................................... Webster, S. D.
Henry Donald Dahlberg .................................................. Clearbrook, Minn.
Grace May Dahlquist ..................................................... St. Paul, Minn.
Frank John Dallera ...................................................... St. Paul, Minn.
Katherine Grace Dames ................................................... St. Paul, Minn.
John Wallace Davies ....................................................... Gettysburg, Pa.
Luther Forrest Davis ...................................................... Wadena, Minn.
Margaret LeRoy Day ...................................................... St. Paul, Minn.
John Janzen Dickman ...................................................... Mountain Lake, Minn.
Mary Nancy Dike .......................................................... Grafton, N. D.
Donald Perry Dix ............................................................. St. Paul, Minn.
Edward Byron Doty ...................................................... St. Paul, Minn.
Waldron Wallace Douglas ............................................. Minneapolis, Minn.
Donald Shugart Dreher ................................................... Owatonna, Minn.
Sybil Millicent Dunlap ..................................................... Hayfield, Minn.
Alan Bayliss Eaker ........................................................ Marshall, Minn.
Dudley Arnold Edblom .................................................... St. Paul, Minn.
Charles Theodore Eginton ............................................... St. Paul, Minn.
Elbert Ralph Eichenberger ............................................... Louisville, Ky.
Dorothy May Eklund ..................................................... St. Paul, Minn.
Walter Jacob Engler ..................................................... Faribault, Minn.
Carl Morris Erdman, Jr. .................................................... St. Paul, Minn.
Catherine Emma Ernst .................................................. St. Paul, Minn.
Victor Joseph Fadden .................................................. Alexandria, Minn.
Wilbur McAllister Fisk .................................................. South St. Paul, Minn.
George William Flad, Jr. .................................................. St. Paul, Minn.
Donald Elton Foss .......................................................... Fountain, Minn.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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<tbody>
<tr>
<td>Morton Christy Freer</td>
<td>Minneapolis, Minn.</td>
</tr>
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<td>Margaret Johanna Friberg</td>
<td>St. Paul, Minn.</td>
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<td>Clifford Payo Froehlich</td>
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<td>John Adams Fulton</td>
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<td>Kermit Lewis Gandrud</td>
<td>Sunburg, Minn.</td>
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<td>Roy Vernon Giles</td>
<td>Holland, Minn.</td>
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<td>Ruth Elizabeth Goetzing</td>
<td>Elbow Lake, Minn.</td>
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<td>Harold Clifford Gransee</td>
<td>Waltham, Minn.</td>
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<td>Jeanette Louise Grant</td>
<td>Wishek, N. D.</td>
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<td>Laverne Alice Green</td>
<td>St. Paul, Minn.</td>
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<td>Robert John Gronewold</td>
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<td>William Fuhrman Haag</td>
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<td>Emily Georgiana Hale</td>
<td>Minneapolis, Minn.</td>
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<td>Gordon LeRoy Hale</td>
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<td>St. Paul, Minn.</td>
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<td>Edith Caroline Hallett</td>
<td>St. Paul, Minn.</td>
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<td>*Roy Thomas Hand</td>
<td>Tolna, N. D.</td>
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<td>Jack Hanning</td>
<td>Minneapolis, Minn.</td>
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<td>Ethel Evangeline Hansen</td>
<td>Balsam Lake, Wis.</td>
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<td>Margaret Alice Hanson</td>
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<td>Stanley Dwight Harding</td>
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<td>Hugo Wallace Heimdahl</td>
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<td>William Theobald Helmes</td>
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<td>Harrison Harry Hemenway</td>
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<td>Edith Belle Hesser</td>
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<td>Ruth Alverda Heyerholm</td>
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<td>Adelaide Caroline Hill</td>
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<td>Andrew Walter Hobart</td>
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<td>Darold Wayne Holland</td>
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<td>Harvey Scott Holt, Jr.</td>
<td>Slayton, Minn.</td>
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<td>Juanita Gertrude Hormel</td>
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<td>Rhoda Barbara Houghtaling</td>
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<td>Robert George Hoye</td>
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<td>Elizabeth Jevne Hultgren</td>
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<td>Glenn Richard Hultgren</td>
<td>Spicer, Minn.</td>
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<td>Lawrence Charles Ische</td>
<td>Norwood, Minn.</td>
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<td>Durwood William Ivey</td>
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<td>Ina Vivian Jackson</td>
<td>Marshall, Minn.</td>
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<td>Wilbur Alfred Jackson</td>
<td>St. Paul, Minn.</td>
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<td>Ellery Meredith James</td>
<td>Lake Crystal, Minn.</td>
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<td>Robert Lee Janes</td>
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<td>Laura Marie Jeffrey</td>
<td>St. Paul, Minn.</td>
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<td>Dorothy Lucille Johnson</td>
<td>Elbow Lake, Minn.</td>
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<td>Elaine Marsella Johnson</td>
<td>Minneapolis, Minn.</td>
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<td>John Harold Johnson</td>
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<td>Stuart Gordon Jones</td>
<td>Waukee, Iowa</td>
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<td>Edna Louise Jorgensen</td>
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<td>Marion Ruth Jorgensen</td>
<td>Albert Lea, Minn.</td>
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<td>Dorothy Jean Kane</td>
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<td>Orrin Henry Kastning</td>
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<td>Madeline Remelia Kennedy</td>
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<td>Olga Marjorie Kindgren</td>
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<td>Melvin Adolph Knick</td>
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<td>Edwin Graham Knight</td>
<td>Randall, Minn.</td>
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<tr>
<td>Shirley Dorothy Koelz</td>
<td>Cottonwood, Minn.</td>
</tr>
<tr>
<td>*Deceased</td>
<td></td>
</tr>
</tbody>
</table>
Irvin Herman Koranski ........................................... Slayton, Minn.
Jane Moncure Kranz .................................................. St. Paul, Minn.
Evelyn Charlotte Krinke ........................................ Lamberton, Minn.
Frederick George Kuck ............................................. St. Paul, Minn.
Alvin Gerald Larson ................................................. Lake City, Minn.
Norman Elwin Lefebvre ............................................. St. Paul, Minn.
Donald Robert Lincoln ............................................. Fergus Falls, Minn.
Brainerd Livingston ................................................... North Branch, Minn.
Donald Judson Lobdell ............................................. Minneapolis, Minn.
Lorraine Elizabeth Lovatt ........................................ St. Paul, Minn.
Charles Anton Lunder .............................................. Jackson, Minn.
Leslie William McCauley ........................................... St. Paul, Minn.
Helen Margaret McCrory ........................................... St. Paul, Minn.
John Thomas MacKnight ............................................. St. Paul, Minn.
Robert Edward MacLaren .......................................... Albert Lea, Minn.
Donald Archie McNevin ............................................. Minneapolis, Minn.
William Henry Meierding ......................................... New Ulm, Minn.
Richard Frederick Messing .......................................... St. Paul, Minn.
Doris Margaret Milne .............................................. Rockville, Minn.
Ralph Emil Moe .......................................................... Minneapolis, Minn.
Richard William Mooney ............................................. Minneapolis, Minn.
Corinne Margaret Mucke ........................................... Fergus Falls, Minn.
Elmer Edson Mullin .................................................. Minneapolis, Minn.
Hermione Ethel Nelson ............................................... St. Paul, Minn.
John Murray Nelson .................................................... Clyde, N. D.
Eugene Nesom .......................................................... St. Paul, Minn.
Irwin Wickman Nessel ............................................... Rush City, Minn.
Howard William Olson ............................................... Cambridge, Minn.
Arlyn Dale Paschke .................................................. Winnebago, Minn.
James Thomas Patterson ............................................. Duluth, Minn.
Stuart Alexander Patterson ....................................... Brainerd, Minn.
Arnold George Paulsen ............................................. Minneapolis, Minn.
Howard Willard Paulsen ............................................. Minneapolis, Minn.
Vernon Alexander Pendleton, Jr. ................................ Minneapolis, Minn.
Dorothy Caroline Penson ........................................... St. Paul, Minn.
Ruth Elizabeth Persson .............................................. St. Paul, Minn.
Edward James Peterson ............................................. Morris, Minn.
Homer Alton Peterson ............................................... St. Paul, Minn.
Katherine Wyand Peterson ........................................ Litchfield, Minn.
Lloyd Allan Peterson ................................................ Benson, Minn.
Walter Robert Petry .................................................. St. Paul, Minn.
Floyd Pinney .............................................................. Anoka, Minn.
Burton Earl Pond ..................................................... Arlington, S. D.
Walter Herman Pusch ................................................ St. Paul, Minn.
Marian Hope Reynolds ................................................ Doon, Iowa
Ben Francis Richason ................................................ Minneapolis, Minn.
Winifred Grace Roney .............................................. Stillwater, Minn.
Mavis Charlotte Royhl ............................................... Minneapolis, Minn.
William Clinton Rutherford ........................................ Stillwater, Minn.
John Arnold Satterstrom ........................................... North Branch, Minn.
Eleanor Marie Seamonds ............................................. Hettinger, N. D.
Marjorie May Seidel .................................................. St. Paul, Minn.
Frederick Alexander Selvig ......................................... Minneapolis, Minn.
Josephine Emily Setterberg ........................................ Slayton, Minn.
Helen Irene Sharp ..................................................... Minot, N. D.
Robert William Sherratt ........................................... Waterville, Minn.
Florence Josephine Siebold ........................................ St. Paul, Minn.
Milan John Simning ................................................... St. Paul, Minn.
<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
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<tbody>
<tr>
<td>Genevieve Evelyn Simser</td>
<td>St. Paul, Minn.</td>
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<td>George Sinding</td>
<td>Hastings, Minn.</td>
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<td>George Esmond Sloniger</td>
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<td>Harold Milo Smith</td>
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<td>Richard Ellsworth Smith</td>
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<td>Robert Moe Sole</td>
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<td>Roy Ingebritk Solum</td>
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<td>James A. Stevens</td>
<td>White Bear Lake, Minn.</td>
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<td>Lois Miriam Stokes</td>
<td>Cohasset, Minn.</td>
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<td>Jane Dean Strebel</td>
<td>Sauk Centre, Minn.</td>
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<td>Mary Elizabeth Strebel</td>
<td>Sauk Centre, Minn.</td>
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<td>John Darby Struck</td>
<td>Fairmont, Minn.</td>
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<td>Jerome Walter Sullivan</td>
<td>Mankato, Minn.</td>
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