1937

Accredited by the North Central Association of Colleges and Secondary Schools as a degree granting institution.

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
Calendar for 1937-1938

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College Calendar
1937-1938

1937

June 5-12  Saturday-Saturday, Second Semester Examinations.
June 9    Wednesday, 8:15 p. m., Recital, Conservatory of Music.
June 10   Thursday, 8:15 p. m., Senior Class Play.
June 11   Friday, 8:15 p. m., Senior Class Play.
June 12   Saturday, 11:00 a. m., Class Day.
June 12   Saturday, 6:30 p. m., Alumni Banquet.
June 13   Sunday, 4:00 p. m., Baccalaureate Sermon.
June 14   Monday, 10:30 a. m., Forty-eighth Annual Commencement.
June 14   Monday, 8:30 p. m., President's Reception.
Sept. 20  Monday, Freshman Registration.
Sept. 21  Tuesday, Upper Class Registration.
Sept. 22  Wednesday, 8:00 a. m., Classes begin.
Nov. 25-27  Thanksgiving Vacation.
Dec. 17   Friday, 4:20 p. m., Christmas Vacation begins.

1938

Jan. 3     Monday, 8:00 a. m., Christmas Vacation ends.
Jan. 22-29  Saturday-Saturday, First Semester Examinations.
Jan. 31-Feb. 1  Monday-Tuesday, Second Semester Registration.
Feb. 2     Wednesday, 8:00 a. m., Classes begin.
Feb. 22    Tuesday, Washington's Birthday.
April 14  Thursday, 4:20 p. m., Spring Vacation begins.
April 25   Monday, 8:00 a. m., Spring Vacation ends.
April 29   Friday, Cap and Gown Day.
           Pi Phi Epsilon Initiation.
June 4-11  Saturday-Saturday, Second Semester Examinations.
June 13   Monday, Second Semester ends.
Board of Trustees

Officers of the Board

President
C. V. Smith

Vice-President
Carl T. Schuneman

Vice-President
Paul D. Schriber

Secretary
F. F. Paskewitz

Treasurer

TERMS EXPIRE JUNE, 1937
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, D. D., St. Cloud
Rev. H. N. Wilson, D. D., St. Paul
Rev. Wm. J. Bell, D. D., St. Paul

TERMS EXPIRE JUNE, 1938
Rev. Wm. H. Boddy, D. D., Minneapolis
Carl T. Schuneman, St. Paul
Paul D. Schriber, St. Paul
R. M. Weyerhaeuser, St. Paul
Rev. A. L. Odell, D. D., St. Paul
Clark Fletcher, Minneapolis
Fred Schilplin, St. Cloud
W. Mell Hobart, Minneapolis

TERMS EXPIRE JUNE, 1939
E. B. Kirk, St. Paul
Watson P. Davidson, St. Paul
F. R. Bigelow, St. Paul
C. L. Hilton, St. Paul
F. R. Angell, St. Paul
Geo. A. Mairs, Jr., St. Paul
Dr. Wm. E. Grise, Austin
F. F. Paskewitz, St. Paul

John C. Acheson, ex-officio

*Deceased November, 1936
## Committees of the Board of Trustees

### Executive

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### Investment and Finance

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### Property and Campus

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### Budget and Expenditures

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### Endowment and Buildings

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Administrative Staff

JOHN C. ACHESON, M. A., LL. D., President
MARGARET M. DOTY, M. A., Dean of Women
CLARENCE E. FICKEN, Ph. D., Dean of Men
JOHN P. HALL, B. A., Registrar
CARL A. JENSEN, Director of the Conservatory of Music
FERNAM BUDOLFSON, Assistant Treasurer
GEORGE E. SCOTTON, B. A., Field Representative
MAUDE COMPEAU, R. N., Director of Health Service
HELEN STRATTE, B. A., Acting Librarian
HELEN VICK, B. A., Assistant in the Library
SARAH E. MACKNIGHT, B. A., Secretary to the President
LOLA EDA SCHUELTER, Secretary to the Deans
*ALICE KINGER, B. A., Secretary to the Registrar
LORRAINE STEGNER, Acting Secretary to the Registrar
*DOROTHY EKLUND-PETERSON, Sec'y to the Asst. Treas.
MAURINE LINDQUIST, Secretary to the Assistant Treasurer
ANN HUBBARD, B. A., Bookkeeper
IRMA GOWANS, Secretary to the Field Representative
CHARLOTTE GRAHAM, Hostess, Wallace Hall
MRS. ADELLA B. ANDERSON, Hostess, Kirk Hall

*Leave of Absence 1936-1937
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)

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

RICHARD URIAH JONES, 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.

OTTO THEODORE WALTER, Professor of Biology. (1922)
A. B., State University of Iowa, 1916;
A. M., 1917; Ph. D., 1923.

*The names are arranged according to seniority of appointment in each of the following groups: Professors, Associate Professors, Assistant Professors and Instructors.
†Retired.
§Deceased, November 13, 1936.
Macaulester College

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

RAYMOND JAY BRADLEY, Professor of Education (1932)
S. B., Cornell College, Iowa, 1912; Ph. D., University of Minnesota, 1929.

*JOHN BOLTON KELSO, Professor of Art Appreciation. (1933)

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

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

CLARENCE ELWOOD FICKEN, Dean of Men.
Professor of French. (1924)
A. B., Baldwin-Wallace College, 1916; A. M., Northwestern University, 1917; Ph. D., University of Wisconsin, 1937.

KANO IKEDA, F. A. C. P., Professor of Medical Technology. (1937)
M. D., University of Illinois, 1914.

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

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.

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., Kingfisher College, 1921; A. M., Clark University, 1923; Ph. D., University of Minnesota, 1933.

*Leave of Absence, 2nd semester
§Deceased, December 12, 1936
FIFTY-SECOND ANNUAL CATALOG

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

GEORGIANA PAINE PALMER, Associate Professor of Latin. (1929)
A. B., Smith College, 1921; A. M., Smith College, 1924.
Ph. D., University of Chicago, 1932.

FORREST ALBERT YOUNG, Associate Professor of Economics. (1929)
S. B., Monmouth College, 1922;
A. M., University of Chicago, 1926.

RAYMOND DARWIN BURROUGHS, Associate Professor of Biology. (1930)
A. B., Nebraska Wesleyan University, 1924;
A. M., Princeton, 1925.

ROB ROY MacGREGOR, Associate Professor of History. (1932)
A. M., Southern Methodist University, 1926;
Ph. D., Clark University, 1929.

BORGHILD K. SUNDHEIM, Associate Professor of French. (1927)
S. B., University of Minnesota, 1925; A. M., 1927; Ph. D., 1935

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.

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

MARY GWEN OWEN, Assistant Professor of Dramatic Art. (1928)
A. B. Macalester College, 1923; A. M., University of Minnesota, 1936.

ALAN GOWANS, Assistant Director of Athletics. (1930)
A. B., Cornell College, 1922; A. M., University of Minnesota, 1936.
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, 1931.

*DOROTHEA SCHULTZ, Assistant Professor of German. (1930)
Ph. B., University of Chicago, 1927; A. M., 1928.

WILLIAM AUGUSTUS CORNELL, Assistant Professor of Sociology. (1934)
Ph. B., University of Wisconsin, 1923;
A. M., University of Chicago, 1927.

MRS. RUTH HANSON KOONTZ, Assistant Professor of Sociology, in charge of Social Work. (1935)
A. B., University of Minnesota, 1913; New York School of Social Work, certificate 1918.

MARION WILLIAM BOGGS, Assistant Professor of Political Science. (1935)
A. B., University of Missouri, 1931; A. M., 1932.

†CAREY M. JENSEN, Assistant Professor of Mathematics. (1935)
A. B., University of Minnesota, 1918; A. M., 1920; Ph. D., 1924

GORDON HARRISON, Assistant Professor of Spanish. (1936)
Ph. B., University of Chicago, 1925; A. M., University of Michigan, 1935.

NATALIE SHEPARD, Assistant Professor and Director of Physical Education for Women. (1936)
S. B., Alfred University, 1933; A. M., Columbia University Teachers' College, 1936.

CHARLES A. CARLETON, Assistant Professor of German. (1933)
A. B., University of Minnesota, 1928; A. M., 1931.

*Leave of absence, 1936-37
†Resigned, November 1936
GEORGE ALEXANDER MAIRS, JR., Instructor in Economics. (1933)  
A. B., LaFayette College, 1923; A. M., University of Minnesota, 1930

FRANCES HANLEY, Instructor in English. (1936)  
A. B., Macalester College, 1932.

THEODORE PAINE PALMER, Instructor in Mathematics. (1936)  
A. B., Amherst College, 1928; A. M., Harvard University, 1931.

DAVID MARTIN FULCOMER, Instructor in Sociology. (1933)  
A. B., Macalester College, 1932; A. M., University of Minnesota, 1937

IVAN BURG, Instructor in English. (1936)  
A. B., Macalester College, 1934.

OTTO A. HERZOG, Instructor in German. (1936)  

FRIEDA CLAUSSEN, M. T., Instructor in Medical Technology. (1937)  
B. S., Smith College, 1920.

KARL HAROLD LEVANDER, Debate Coach. (1933)  
A. B., Gustavus Adolphus College, 1932;  
LL. B., University of Minnesota, 1935.

ERNEST NYLE BERG, Fellow in Geology. (1936)  
A. B., University of Minnesota, 1933.

KATHERINE COLSON, Fellow in Psychology. (1936)  
A. B., Macalester College, 1936.

MARIAN McGEE, Fellow in Biology. (1936)  
A. B., Macalester College, 1936.
Committees of the Faculty

The President is ex-officio a member of each committee

**Curriculum**

C. H. Shiflett, F. E. Ward, M. D. McLean

C. A. Jensen, Georgiana Palmer, R. J. Bradley

W. A. Cornell, O. T. Walter

**Catalog**

J. P. Hall

R. B. Hastings, D. N. Kingery

**Social Affairs**

M. M. Doty, W. A. Cornell

C. E. Ficken, Natalie Shepard

D. C. Primrose, G. B. Whitridge, Gwen Owen

**Athletics**

O. T. Walter, Alan Gowans

R. B. Hastings, S. F. Franklin

D. C. Primrose, C. H. Shiflett

**Appointments**

R. J. Bradley

Ruth Koontz, F. A. Young

**College Functions**

G. B. Whitridge, R. R. MacGregor

J. P. Hall, C. A. Jensen, O. T. Walter

**Religious Life and Activities**

R. U. Jones, Glenn Clark

K. L. Holmes, C. A. Jensen, W. F. Vance

Edwin Kagin, M. D. McLean, Chaplain

**Public Relations**

K. L. Holmes, R. D. Burroughs, Glenn Clark

R. R. MacGregor, F. E. Ward, M. D. McLean, G. E. Scotton, ex-officio

F. Budolfson, ex-officio

**Student Honors**

Borghild Sundheim, A. W. Anderson, R. D. Burroughs

R. B. Hastings, J. B. Kelso

R. R. MacGregor, Ina Milroy

**Library**

H. S. Alexander, M. W. Boggs

S. F. Franklin, J. B. Kelso

Grace May, Georgiana Palmer, Helen Stratte, ex-officio
General Information

Historical Sketch

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, central heating plant, 1924,
Kirk Hall, men’s dormitory, 1927, 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. EDWARD DUFFIELD NEILL,* D. D., 1873-1884.
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.
THOMAS MOREY HODGMAN,* LL. D., 1907-1917.
REV. ELMER ALLEN BESS,* D. D., 1918-1923.
JOHN CAREY ACHESON, A. M., LL. D., 1924.

**Form of Bequest**

The corporate name of the institution is The 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 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. A laundry open six days a week is available for student use.

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 thoroughly modern and complete. 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 22,700 volumes and is located on the ground floor of the main building. In Carnegie Science Hall are department libraries.

One hundred and forty 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 seven-fifty to six and from seven to nine-twenty o'clock; Saturday, from seven-fifty to six o'clock; holidays, from nine to twelve and one to five o'clock.

Other Library Privileges

Accessible for special assignments are libraries which contain one and three-quarter millions of volumes. These are: the James Jerome Hill Reference Library, which supplements the resources of other libraries and affords unusual opportunity for study and research; the St. Paul Public Library; the library of the Minnesota Historical Society, with extensive collections in American history and a manuscript department open to properly qualified college students; the State Law Library, the Minneapolis Public Library 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 30.

For the first semester of the college year freshmen present themselves for registration on Monday morning of the opening week. On Tuesday a series of lectures on subjects of importance to new students is given by the President and various members of the
faculty. On Tuesday registration of sophomores, juniors and seniors occurs. Registration without penalty ends Tuesday.

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

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 are to 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. An I becomes F if not completed in the first six weeks of the next semester. 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 bursar. 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.

Collins Prizes In Extemporaneous Speaking.—A contest in Extemporaneous Speaking is held annually during Commencement Week. For this purpose Dean G. R. Collins of New York University 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.
Benjamin Ogden Chapman Scholarship.—In memory of Benjamin Ogden Chapman, for many years a trustee of the college, a scholarship of $50.00 is offered to aid a student in the department of Religion who is selected by the head of this department in conjunction with the donor.

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.

A. A. U. W. Fellowships and Scholarships.—Every year the American Association of University Women through its branches and state federations awards over $80,000 in fellowships, scholarships and loans to graduate and undergraduate students. Attention is called to the 16 fellowships awarded to graduate women annually for further research and study in this country and abroad. Macalester women undergraduates and graduates are eligible to apply for these scholarships and fellowships.

Freshman Prize Scholarships.—The Council of Minnesota Colleges, representing the private colleges of the state, offers two scholarships to each of the standard high schools of Minnesota, one to the highest ranking man, the other to the highest ranking woman, good for one year in the college selected by the student.

Each scholarship is equivalent to one half of the tuition of freshman year and is credited on the second semester tuition account, provided the student has maintained satisfactory grades during the first semester.

Loan Funds

Jennie Hodgman.—A revolving fund of about $3,500, raised and administered by the Faculty Women's Club, is used for loans to junior and senior women.

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 Board of Christian Education.—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 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 six months after the student leaves college. This fund is not available for freshmen.

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. Preference is given to a junior or senior student. 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.

Alumni Loan Fund.—A loan fund established in 1933, the principal of which is available to students approved by the committee of the Alumni.
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 $8,000, income from which is to be devoted to the development of the Department of History.

Student Activities

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

The Y. M. C. A. 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 seven literary societies under the general oversight of the faculty. Hyperion society admits to membership both men and women; Athenaean, and Eulogian societies admit men and Chi Phi Delta, Clionian, Philotian and Thalian 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 Dramatic Art, 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.

International Relations Club.—In the fall of 1932 the History Department of Macalester College sponsored the organization of the International Relations Club as a study group and discussion forum for those students in the college interested in contemporary international questions. The International Relations Club immediately became affiliated with the Carnegie Endowment for International Peace as a link in the circle of hundreds of such clubs scattered around the world. These clubs are devoted to the encouragement of informed public opinion upon international questions. The Macalester International Relations Club from time to time holds general open meetings for the public and in this manner and also by means of radio broadcasts helps to present useful information on current issues.

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

Women's Glee Club.—A well-established undergraduate organization of women under the direction of a faculty adviser.

Oratorio Choir.—This is a choir of mixed voices, specializing in the study and performance of the great oratorios and other sacred
music. The organization is under the supervision of the director of the Conservatory of Music.

**College Band.**—This is a concert ensemble, organized and conducted under the supervision of the Conservatory of Music.

**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.

**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.

In keeping with the practice in most colleges, membership is restricted to seniors and second semester juniors. Nominations to the society are made upon the basis of high scholastic attainments in the several fields of the curriculum.

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.

**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.

Placement Service.

The Committee on Appointments assists seniors and former students in securing positions in the fields of business, education, etc., and in securing grants-in-aid in graduate schools. Obviously only those will be recommended who show by their character, interest, ability and professional preparation that they are qualified for the work for which they are applying.

For the year 1937-1938 the enrollment fees will be as follows:
Business division, director Professor Young ............... $1.00
Education division, director Professor Bradley—
    Seniors ........................................ 2.00
    Graduates ..................................... 3.00

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 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. 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.

All illness of contagious or infectious character, as well as emergency surgical cases, are transferred immediately to one of the hospitals in the city. Cases of prolonged or serious illness also are referred to a hospital under the attending physician's direction. The college is in no wise responsible for such hospital expense to the student.

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 after the first to cover the costs to the college of
this deferred payment service. Applicants for admission to the freshman class should remit $5.00 with application. This is applied on tuition of the first semester.

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Semester</th>
<th>$75.00</th>
</tr>
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<tbody>
<tr>
<td>General Fee</td>
<td></td>
<td>12.50</td>
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This charge covers appropriations for library, health service and student activities which include student publications and admission to home athletic contests.

**Special Fees—**

- Biology 101, 102, 121, 122, 204 with laboratory, 301, 302, 304 with laboratory, 305: Semester 5.00
- Biology 112, 204: 2.00
- *Chemistry* 101-102, 103-104, 201, 202, 203, 204, 303-304, 305, 309-310, 311-312, 313, 331-332, 403-404: 8.00
- Education 201, 307: 1.00
- Geology: 1.00
- Physics 101-102: 2.50
- Physics 201-202, 221, 301-302, 411: 5.00
- Psychology 310: 2.50
- Speech 141, 411: 1.00
- Change of Course: 1.00
- Guarantee Fee (Dormitories): 2.50
- Graduation: 5.00

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

†A fee of $6.00 is charged for each credit hour in excess of eighteen.

Tuition of special student taking eleven hours or less is reckoned at $6.00 a semester hour.

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

Exchange will be charged on all out-of-town checks.

Tuition is not refunded 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 and room from the end of a two weeks’ period following the beginning of illness according to the records of the college nurse. Board is charged to the nearest week-end after the beginning of illness. There is no refund of the General Fee.

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

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 the dormitories during Christmas vacation through application to the house director.

**Wallace Hall**

- Board, per semester, each person: $90.00
- Room rent, per semester, each person: 45.00
- Bed linen furnished and laundered (optional), per semester: 2.50

**Kirk Hall**

- Board, per semester, each person: 90.00
- Room rent, per semester, each person: 45.00
- Bed linen furnished and laundered (optional), per semester: 2.50

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
Each tenant is required to deposit $2.50 each semester (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.

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, 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, 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 new students 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 cancel the reservation before the first day of September, 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 expected 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.

The college has also a department of Student Aid, for assisting worthy and needy students in securing financial help. This aid is granted on a student-service contract in which the applicant agrees to perform certain service for the aid given. Application for this assistance should be made to the business office.
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 four of the fifteen units may be in vocational subjects (including Agriculture, Commercial Work, Domestic Science and Manual Arts). 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 paragraphs. 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 is to 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.

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 depart-
ment. 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. 4 points in Physical Education, the term point meaning the satisfactory completion of a semester course in Physical Education. These shall be in courses 101-102 and 201-202.

A candidate for the bachelor's degree must have been in residence at Macalester College either during all of his first three years or during all of his senior year and must have completed at least thirty semester hours of work at Macalester College.

**Distribution and Concentration of Requirements**

A. FOR CULTURAL DISTRIBUTION or as background or tools for subsequent study.

1. English 101-102, six credits.
2. Foreign language 202, 204 or 206, completed by the end of the junior year; German 206 or French 206 is mandatory for students majoring in Group III.
3. Religion, eight credits including course 102 or 105.
4. Philosophy 205, 220, 311 or 312, three credits.
5. Economics, History, Political Science, or Sociology, 6 credits, completed by the end of the junior year.
6. Psychology 201, three credits.
7. Natural Sciences and Mathematics (Group III), fourteen credits, completed by the end of the junior year. Of these, eight must be in laboratory science taken in college; unit courses in high school physical science, each unit to count as three credits, or Psychology 310, may be applied on the remainder.
8. A "second" (or "distribution") minor subject from a group other than that of the major subject; twelve credits in approved courses with a grade of C or better.
9. Physical Education 103R, one credit.

B. FOR CONCENTRATION in a major field of interest.

1. A major subject, chosen by the beginning of the junior year: a minimum of 20 credits in approved courses, with a grade of C or better.
2. A "first" minor subject preferably in the group of the major subject: 12 credits in approved courses, with a grade of C or better.

3. Supporting courses outside the major department but within the group of the major subject, as follows respectively:

**Group I:** 18 credits in courses of Group I numbered 200 or above and outside the major department, including credits in course 202 or 204 of a modern foreign language. Latin 101-102 or Greek 101-102 is also required unless the student presents two units of either subject from high school.

**Group II:** 18 credits in Group II or IV other than required courses in Religion.

**Group III:** 18 credits in Group III, including Mathematics 101-102 or 201-202.

**Group IV:** Requirements the same as for Group II.

**Group Classification of 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
6. Physical Education
7. General Science (Education)

**GROUP IV.**

1. History of Art
2. Music
3. Speech

**Restrictions on Choice**

A course used as a major or minor subject in one department shall not count toward a major or minor in another department.

The following courses are not counted toward a major or minor: English 101-102, French 101-102, 103, German 101-102, Greek 101-102, Latin 101-102, Mathematics 101, 102, Physics 101-102, Religion 101 and 105, Spanish 101-102, Speech 141-142. See, also Biology 101-102, 112, 121-122, 204 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.

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**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.**

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

**Groups II. and IV.**

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

**Group III.**

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

The elective courses for the freshman year are:

- Biology 101-102, 112, 121-122
- Chemistry 101-102, 103-104
- Economics 102
- Foreign Language
- Geology 101-102, 104
- History 101-102, 201, 202
- History of Art 101-102
- Mathematics 101, 102, 201-202
- Music
- Physics 101-102
- Political Science 153R
- Speech 141-142
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 Philosophy</td>
</tr>
<tr>
<td>Mathematics</td>
<td>History or Social Science</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Religion</td>
<td>Physics</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Medical Technology.—This profession is recommended to women only. The same sequence of courses as for the study of
medicine is advised except that French may be substituted for German.

Students taking this course will spend three years in residence at Macalester College taking ninety-six credit hours of work in the arts and sciences.

Through affiliation with the Charles T. Miller Hospital, Inc. of St. Paul a limited number of qualified students will be given an opportunity to take their senior year, in professional training, at the hospital under competent professional instruction. The senior year will consist of twelve calendar months.

In addition to the general graduation requirements of the College students must also meet the requirements for registration with the American Society of Clinical Pathologists. This will entitle the candidate to the degrees of B. A. and M. T. (Medical Technologist).

**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.

**Freshman Year**
- English
- Foreign Language
- Religion
- Science
- History or Political Science

**Sophomore Year**
- Public Speaking and Argumentation
- Foreign Language
- Religion
- Sociology and Economics
- Psychology and Philosophy

**Junior Year**
- Roman Law and Jurisprudence
- English History
- Debate and Oratory
- Religion
- Electives

**Senior Year**
- International Law
- History
- Religion
- Electives

**Social Work.**—To meet the imperative needs of our present society and in full sympathy with the practical application of Christian principles to modern conditions, the pre-professional course leading to social work has been prepared. The under graduate sequence leads to a major in Sociology with supporting minors in Psychology or Economics or Political Science. This sequence has been designed to meet the requirements for basic preparation as outlined by the American Association of Schools of Social Work.
The student with a professional career in view will find this sequence a solid foundation for his later special training. The following course is advised for students preparing for graduate training in Social Work.

**Freshman Year**
- English
- Foreign Language
- Religion
- Biology
- History

**Sophomore Year**
- Religion
- Ethics
- Sociology
- Economics
- Psychology
- Genetics and Eugenics
- American Government

**Junior Year**
- Social Statistics
- Criminology
- Field of Social Work
- Human Physiology

**Senior Year**
- The Family
- Social Protection of the Child
- Economics

**Electives:**
- Political Science
- Psychology
- Education
- Elementary Group Work
- English

- Economics
- Political Science
- History
- English
- Story Telling
- Play Production

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, 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 supporting courses for its major students: a minor in Chemistry or Physics; Latin or Greek and German; one semester of Historical Geology; Economics or Sociology, Speech 141-142.

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 lectures 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 counts toward a minor only.

Second semester, one lecture, laboratory, and one field trip a week, three credits. Not offered 1937-1938.

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 counts toward a minor only.

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 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.

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 "Principles
of Heredity” by Snyder will be used, supplemented by collateral readings in Newman, Guyer, Conklin, Sinnott and Dunn, and Thompson.

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.

409, 410. Individual Course and Seminar.—
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.

Teachers Course.—
See Education 461.

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

For a major in chemistry students are advised to take courses
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 Education 461, and com­
ply 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; 203, two credits; 204, three credits;
307-308, four credits; and 309, two credits.

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

The course includes a thorough study of the principal elements
and their compounds, their occurrence in nature and prepa­
reration in the laboratory; also an introduction to the study of
qualitative analysis, including systematic identification of the
cations and lectures on the theory of solutions.

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 AND MR. SHIFLETT

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. Qualitative Analysis.—

MR. SHIFLETT

Laboratory work on the identification of cations and anions. A course of lectures on the theory of qualitative analysis, including principles of equilibrium, ionization constant, solubility product, complex ions, etc.

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.

203. Qualitative Analysis.—

MR. SHIFLETT

For pre-medical and pre-dental students. Laboratory work on identification of cations and anions. Class room work includes elementary theory involved in the analytical separation of the common metals and acids.

Prerequisite, course 102 or 104 and one year of college mathematics. First semester, one lecture, one recitation and three hours laboratory a week, two credits.

204. Quantitative Analysis.—

MR. SHIFLETT

For pre-medical and pre-dental students. A short course in volumetric and gravimetric analysis.

Prerequisite, course 201 or 203. Second semester, one lecture, one recitation and six hours laboratory a week, three 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.

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.

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.

Teachers’ Course.—

See Education 461.
Economics and Political Science
PROFESSORS YOUNG, BOGGS AND MR. MAIRS

The student intending to obtain a major or minor in this department should elect one of the following fields in which to earn the major or minor:

1. Economics and Business Administration
2. Political Science
3. Economics and Political Science

When one of the first two fields is the major, one minor may be the other field should the student so desire. Thus students looking forward to business careers may have a major in Economics and Business Administration and a minor in Political Science; or pre-law students may have a major in Political Science and a minor in Economics and Business Administration, or any other field of their choice.

A third possibility is a major or minor in Economics and Political Science. This elective is provided for those students whose interests lie mainly in the cultural rather than the vocational value of the instruction offered in this department. When this election is made, both minors, or the major and the other minor must be secured in other departments.

At least one 300 course must be included in a minor and two 300 courses in a major, when the major or minor is in any field in this department.

A. Economics and Business Administration

231-232. Principles of Economics.—MR. YOUNG

The structure, institutions, and operation of our economic order; value and distribution theory; current economic problems such as monetary stabilization, tariff barriers, international debts, taxation, combinations, public utility regulation, economic planning.

Prerequisite, twenty-four credits. One year, three hours a week, six credits.

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.

Prerequisite, twenty-four credits. 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 or equivalent. Second semester, three hours a week, three credits.

339. Labor Problems and Management.— Mr. Young
An examination of labor problems from the viewpoint of labor and management; trade unionism, growth and trends; labor legislation; personnel administration.
Prerequisite, course 232 or consent of instructor. First semester, three hours a week, three credits.

372. Marketing.— Mr. Young
Principles, methods and problems of marketing, strategy of sales management; sales instruments, such as advertising, salesmanship, mail communications, credit policies and product planning; retail selling policies and problems.
Prerequisite, course 232. Second semester, three hours a week, three credits.

373. Business Finance.— Mr. Mairs
The corporation and its financial structure; promotions; working capital; profit distributing policy; business expansion; industrial combinations; reorganization methods and other problems encountered in financing a modern business.
Prerequisite, course 232. First semester, three hours a week, three credits. Alternates with Course 375. Not offered 1937-1938.

375. Principles of Investments.— Mr. Mairs
Investment principles and practices; securities analyzed by types and industries; examination of investment literature and services; emphasis on the investment problems of the average man.
Prerequisite, course 232, or consent of instructor. First semester, three hours a week, three credits. Alternates with Course 373.

377. Money and Banking.— Mr. Young
A practical study of monetary and banking systems, problems, and institutions; an analysis of banking operations, services, costs, organization, and management; functions of trust companies, savings banks, Federal Reserve System, special government credit organizations and Bank of International Settlements; contemporary currency problems; foreign exchange.
Prerequisite, course 232. First semester, three hours a week, three credits.
406. **Economics Seminar.**— **Mr. Young**

Conferences and reports on individual research in the field of Economics.

Open to seniors of high rank with consent of instructor. Second semester, three credits.

The following courses are of especial interest to students of Economics: Business English, English 307; Mathematics of Investment, Mathematics, 306; Commercial Law, Political Science 366; Public Finance, Political Science 341; Social Statistics, Sociology 326; International Economic Policies, Political Science 355.

### B. Political Science

153R. **American Government.**— **Mr. Boggs**

The structure and function of American governments in the national, state and local spheres, with special attention to non-governmental pressures and the current problems of politics.

Not open to juniors and seniors.

Either semester, five hours a week, five credits.

254. **Comparative Government.**— **Mr. Boggs**

A study of the five major European political systems, with emphasis upon governmental functions and political technics.

Prerequisite, course 153R. Second semester, three hours a week, three credits. Not offered 1937-1938.

257. **World Politics.**— **Mr. Boggs**

An introduction to international relations analyzed in terms of historical origins, institutional forms, dynamic forces, and future prospects, with special attention to interpretation of contemporary foreign policies.

Prerequisite, course 153R or History 102. First semester, three hours a week, three credits.

341. **Public Finance.**— **Mr. Boggs**

The history and theory of public revenues and expenditures taxation, budgets and public credit.

Prerequisite, course 153R or 232. First semester, three hours a week, three credits. Not offered 1937-1938.

349. **The American Constitution.**— **Mr. Boggs**

Nature, formation and development of the Constitution; leading principles of constitutional practice, judicial review, the Supreme Court, recent controversies.

Prerequisite, course 153R. First semester, three hours a week, three credits.
355. **International Economic Relations.**— MR. BOGGS
A survey of trade and financial relations between nations from the political as well as from the purely economic point of view: international trade, trade barriers, monetary problems, raw materials, commercial diplomacy, economic nationalism.

Prerequisite, course 232 and 257 or consent of instructor. First semester, three hours a week, three credits. Not offered 1937-1938.

358. **Recent Political Theory.**— MR. BOGGS
A study of leading political ideas of recent times and today: democracy, individualism, proletarian theories, authoritarian doctrines, fascism, law and sovereignty.

Prerequisite, course 153R. Second semester, three hours a week, three credits.

364. **International Law.**— MR. BOGGS
Sources and sanctions of international law, recognition, intervention, jurisdiction, nationality, diplomatic practice, treaties, non-hostile and hostile redress, neutrality, war.

Prerequisite, course 257. Second semester, two hours a week, two or three credits. Not offered 1937-1938.

366. **Commercial Law.**— MR. BOGGS
A general survey of legal principles affecting business relations and the conduct of commercial enterprises.

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

451, 452. **Individual Course.**— MR. BOGGS
Seminars and reports based on individual work in selected fields of politics.

One year, one hour a week, four credits.

**Education**

**Professor Bradley**

Students who expect, at graduation, to secure certificates to teach in the public schools of any state should consult early in their junior year with the head of the Department of Education regarding the requirements in educational and academic subjects in the particular state in which they are interested.
In Minnesota, the requirements for the High School Standard General Certificate are as follows:

I. A major in an academic subject which is taught in high school.

II. Educational Psychology ........................................ 3 semester hours
   Principles of Teaching ......................................... 3 "  "
   A combination of
   a. Practice Teaching........................................ 3 "  "
   b. Observation.................................................. 6 "  "
   c. Special Methods............................................. 3 "  "
   Elective course in education................................... 3 "  "

TOTAL............................................................... 15 "  "

In addition, in Minnesota, an instructor is approved for teaching a subject only when his preparation in that subject or field is considered "adequate". Usually a minor or its practical equivalent is required. The North Central Association, to which many of the better high schools belong, requires of those teaching academic subjects in the high schools of its membership, training equivalent to fifteen semester hours in the subject or field to be taught. In the foreign languages and in mathematics a limited amount of credit is allowed for work taken in high school.

Teachers certificates are not granted automatically upon completion of requirements for them. Application for certificates should be made by the individual directly to the State Department of Education of the state in which certification is desired.

Psychology 201 is a prerequisite for all courses in education. No regular student should enroll for more than two courses in education during one semester, not including, however, Education 411, which may be taken jointly with two other courses.

Major in General Science

A major restricted to those preparing to teach laboratory sciences may be elected in lieu of one of the majors provided in the science departments. This major does not so well prepare one to enter a graduate school, nor industrial work. It is believed, however, that it will prepare the student more adequately to enter the field of science teaching in high school than the more specialized academic major. The number of hours required in the general science major is approximately the same as is required for an academic major and a supporting minor, if both are taken in science fields. By proper election of courses the first or supporting minor
may be made a part of the general science major. If this is done, at least 36 of the 44 credits in the major-minor combination must carry a grade of C or better. If two minors entirely outside of the general science major are completed, at least 24 of the 44 credits in the major must carry a grade of C or better.

The requirements for the general science major are as follows:

Prerequisite, Mathematics, eight credits.

The Major.—

1. Physics, Chemistry and Biology, each eight credits........ 24 credits
2. Additional, in one of the above sciences, eight credits...... 8 credits
3. Additional, twelve credits in Group III, including Geology, but excluding the science in which the sixteen credits are taken. This may include not to exceed four credits in mathematics................................. 12 credits

Total.............................................44 credits

Students electing this major should take the four foundation courses in mathematics and science before their junior year so that they may have ample opportunity during their junior and senior years to secure the required number of upper class credits.

201R. Educational Psychology.—

An introduction to the nature of the secondary school pupil. An elementary treatment of statistics and their use in interpreting psychological and educational data. Psychological and educational tests; their nature, purposes and how to use them. The influence of nature and nurture. The characteristics of various types of learning, transfer of training and the psychology of school subjects. Human motivation. Text, collateral readings, a work-book and some experimentation.

Open to sophomores in the second semester. Prerequisite, Psychology 201. Either semester, three hours a week, three credits.

301R. Principles of Teaching.—

A continuation of much that has been touched upon in course 201, but with emphasis placed upon school subject matter and the teaching situation. The selection of instructional material, lesson planning, assignment making. Problems of classroom management including discipline. Teaching pupils how to study and training them in habits of study. A critical evaluation of such practices as homogeneous grouping, project and
problem teaching, the use of visual aids, socialized class procedure, the Dalton Plan, the Morrisonian Unit Plan, etc. Observation in the public schools correlated with class study.

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

303. History of Education in the United States.—
The course deals with the European background of American Education and the development of educational institutions and the problems associated with them in America. The problems of secondary education receive special attention. A non-technical course of large cultural content and suggested for those wishing some insight into educational problems but not preparing to teach.

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

306. Principles of Secondary Education.—
The aims and functions of secondary education and the relationship of secondary to both elementary and higher education. The secondary school curriculum, educational and vocational guidance, community relationships, the school plant and equipment, the teaching staff, problems of administration and supervision, comparative studies in school costs, extra-curricular activities and their organization, and supervision. A broad survey course which should preferably be taken in the student's junior year.

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

307. Educational Tests and Measurements.—
This course deals with the construction and use of informal tests and the selection and use of standardized tests and scales employed in measuring educational products, or for purposes of educational prognosis, or diagnosis of learning difficulties. Training is given in elementary statistical computations and in the interpretation of statistical data. Attention is given to tabular and graphic presentation of data. Valuable for teachers and especially for those going into administrative or supervisory work or into graduate and research work.

Prerequisite, fifty-four credits, including Course 201. First semester, three hours a week, three credits.
402. Educational Problems.—
An advanced course dealing with methods of educational investigation and research. Readings on methods of research and a canvass of typical research reports. Each student selects a problem and studies it critically, finally formulating a brief written report or thesis based upon it. Conducted largely upon a seminar basis. Open only to seniors who have the approval of the Department of Education.
Second semester, one or two credits.

406. Educational Administration.—
An introductory course in the administration of public schools, including school districts, school officials, the internal organization and administration of school systems, school revenues and expenditures, present educational problems and their possible solutions. Designed particularly for those expecting to go into administrative or supervisory work in education.
Prerequisite, ninety credits including nine credits in Education. (Courses 201, 301 required and 307 recommended.) Second semester, three hours a week, three credits.

411R. Practice Teaching and Observation.—
A series of directed observations covering the major problems of classroom technic as found in both the junior and senior high school. Practice teaching in the St. Paul Night High School or in other institutions as opportunity affords, under the supervision of experienced critic teachers and the general supervision of the Department of Education. Reports, individual and group conferences.
Open only to seniors and required of all who expect to teach.
Prerequisite, course 301, unless permission is granted by the head of the Department of Education to carry it concurrently with 301. Either semester, three or five credits.

Special Methods of Teaching
If three credits are earned in Education 411, three credits or two courses in special methods must also be earned for certification in Minnesota. If five credits are earned in 411, one course in special methods will meet the legal requirements for certification in Minnesota. However, it is strongly advised that two courses in special methods be taken, these to be selected preferably in the fields of the student’s major or minors.
For all courses in special methods, prerequisite is senior classification, prerequisite or corequisite course 301, approval upon registration of both instructor and Department of Education. The courses offered follow.
451. Speech.— Miss Whitridge, Miss Owen, Mr. LeVander
Methods of planning and presenting speech in secondary
schools. Six weeks in fundamentals of speech, six weeks in
argumentation and debate, and six weeks in play production.
Prerequisite, one of the following courses in speech: 241-242, 211-212,
or 441-442. First semester, two hours a week, two credits.

452. English.— Mr. Ward
Modern aims and technics of planning and presenting English
to students at the secondary level will be considered in detail.
There will also be practice in teaching the various phases of
English.
Prerequisite, ninety credits, including English 267, 268 and 403.
Second semester, two hours a week, two credits.

454. Modern Foreign Languages.— Mr. Ficken
Consideration of the problems of foreign language instruction
in the United States; data for their solution from the Modern
Foreign Language Study and contemporary periodical litera­
ture. Analysis of recent syllabi, particularly those prescribed
for Minnesota High Schools. Review of text books, observa­
tion and lesson planning. Given with the cooperation of the
departments of French, German and Spanish.
Prerequisite or collateral requirements: French 303-304 and 331-332
or German 309 or Spanish 315 and 316. Second semester, two hours a
week, two credits.

456. History.— Mr. MacGregor
This course in history methods is designed to aid in the prep­
aration of those students who expect to teach history in
secondary schools.
Prerequisite, ninety credits including fifteen credits in History and
Education 301. Second semester, two hours a week, two credits.

458. Latin.— Miss Palmer
Consideration of the problems pertaining to the teaching of
high school Latin.
Prerequisite, Latin 202. Second semester, two hours a week, two
credits.

459. Mathematics.— Mr. Kingery
Advanced Algebra and Geometry intended especially for those
preparing to teach.
Prerequisite, Mathematics 302. First semester, two hours a week,
two credits.
461. **Natural Science.**— **Mr. Bradley** and Members of the Science Departments

A survey of the objectives, content, methods of teaching and of measuring results in the science courses offered in high school. A study of committee and survey reports, state syllabi, texts and workbooks.

Prerequisite, a major or minor in a laboratory science. First semester, two hours a week, two credits.

464. **Social Science.**— **Mr. Cornell**

The problems of teaching Elementary Civics in junior high school and Introduction to Social Science in the twelfth grade, as found in Minnesota. Brief consideration of special courses in Economics, Sociology and senior high school civics.

Prerequisite, a course in at least two of the three departments—Sociology, Economics, Political Science—and a minimum of twelve credits in these departments. Second semester, one hour a week, one credit.

465-466. **Choral Conducting.**— **Mr. Johnson**

Technic and survey of materials.

Prerequisite or co-requisite, concentration in choral music or permission of instructor. One year, one hour a week, two credits.

467-468. **Band and Orchestra Conducting.**— **Mr. Johnson**

Technic, instrumentation and survey of material.

Prerequisite or co-requisite, concentration in band ensemble or permission of instructor. One year, one hour a week, two credits.

469-470. **Appreciation of Music.**— **Mr. Johnson**

Technic of the teaching of musical appreciation and survey of materials.

Open only to students concentrating in Secondary School Music or permission of instructor. One year, one hour a week, two credits.

473-474. **Physical Education.**— **Miss Shepard and Mr. Primrose**

A critical study of the State requirements in Physical Education and the teaching methods in this field. Students observe special methods in the local junior and senior high schools and are required to observe and teach 15 hours under the supervision of qualified teachers. Activities course includes presentation of material and technic for the teaching of individual or dual sports, team games, self testing activities and mass games. Open to men and women.

Prerequisite, Physical Education 201-202, 103R and Biology 102. One year, two hours a week, four credits.
English

Professors Clark, Doty, May, Ward, Miss Hanley and Mr. Burg

A major in English consists of at least 20 credits in Literary History and Criticism, including course 387-388 and one additional year of conference work. Course 403 may, however, be counted toward a major upon completion of Education 452. Students intending to teach English in secondary schools are advised to elect courses 267, 268, 351-352, and 359-360. Students looking forward to graduate study are advised to elect courses 267, 268, 353-354, 355, 356, 359-360, and 365-366.

A minor in English consists of at least twelve credits from courses numbered 200 or above, whether in Practical English, Literary History and Criticism, or Creative Reading and Writing. A teacher's minor includes courses 267, 268, and 403.

Attention is called to the following courses, which may be elected for two or three credits each semester, the additional credit being granted for independent work in conference: 267, 268, 293-294, 351-352, 359-360, 365-366 and 385-386.

A. Practical English

99R. Composition Essentials.— Miss Hanley

Intensive review and drill in reading, spelling, grammar, sentence structure, and punctuation, for students who are not prepared to do the work in course 101.

Either semester, three hours a week, no credit.

101R-102R. English Language Arts.— The Staff

A gateway college course, designed to stimulate intellectual interests, encourage social attitudes, and facilitate the use of language arts, such as purposeful reading, the use of the library, note-making, oral and written composition, and discussion. This course, with evidence of ability to do the work of course 99R, is required of all freshmen.

One year, three hours a week, six credits.

203-204. Newspaper Reporting.— Mr. Burg

First semester: what news is, where news stories originate and the problems involved in obtaining stories. Extensive instruction and practice in the writing of all types of leads, straight news stories and features. Second semester: more difficult
assignments. Each of the newspaper “runs” is examined carefully and the reporting of social affairs, conventions, speeches, interviews, sports, political events, etc., are described. The course concludes with a study of the law of the press. The best examples of all forms of journalistic writing are studied at first hand in the newspapers from twenty large cities in the United States.

Prerequisite, twenty-four credits or journalistic experience in high school and consent of the instructor. One year, two hours a week, four credits.

303. News Editing.— Mr. Burg
Instruction and practice in editing news copy, writing headlines, evaluating news, and planning page layouts. Students learn to use both copyreader's and proofreader's standard symbols. Actual copy desk experience in the editing of desk manual material, The Mac Weekly copy, and wire news received over telegraph printer machines.

Prerequisite, English 204. First semester, one lecture and one two-hour laboratory period a week, two credits.

304. The Country Weekly.— Mr. Burg
A general survey of the rural weekly press with special emphasis on editing. Most of the course will be devoted to rural correspondence and writing of “local” news. Several of the leading weekly newspapers in the country will be available for study.

Prerequisite, course 204. Second semester, two hours a week, two credits.

307R. Business English.— Miss Hanley
Designed chiefly for those who plan to enter business or teaching. Includes a discussion of the fundamentals of English as they bear upon words, sentences, paragraphs and letters. The establishment of credit, making of adjustments, sales and collections, and the principles and technic involved in the writing of all types of business letters, reports and advertisements, constitute the major part of the course work.

Prerequisite, English 102 and Economics 232. Either semester, two hours a week, two credits.

403. The English Language.— Mr. Ward
Historical studies of English grammar and vocabulary as related to current usage. Designed especially for prospective teachers. Major and minor credit is allowed upon completion of Education 452.

Prerequisite, ninety credits. First semester, two credits.
Teachers' Course.—See Education 452.

B. Literary History and Criticism

267, 268. Appreciation of Literature.—Mr. Ward
An introduction to the aims and technic of intelligent reading. The organization is by types and ideas. First semester, poetry; second semester, prose. Lectures and readings serve as a preparation for other courses in literature; conference is optional for students who wish to do independent work in literary analysis.

Two or three credits each semester. The third credit is assigned to students who complete the conference work.

351-352. American Literature.—Miss Doty
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. Lectures and readings contain the basic ideas of the course; conference is optional for students who wish to do independent work in literary history and appreciation.

Prerequisite, fifty-four credits or instructor's permission. One year, two or three hours a week, four or six credits. The two extra credits are assigned to students who complete the conference work.

353-354. Old and Middle English.—Miss May
Historical studies in grammar and phonology, with selections from the literature, except Chaucer, from 700 to 1500.

Prerequisite, fifty-four credits or instructor's permission. One year, two hours a week, four credits. Recommended for students who intend to do graduate work. Not offered 1937-1938.

355. Chaucer.—Mr. Ward
Detailed study of the Prologue and twelve of the Canterbury Tales; rapid reading of Troilus and Criseyde and the minor poems, with attention to Chaucer’s development as a poet. The emphasis of the course is literary rather than linguistic.

Prerequisite or collateral, course 267. First semester, three hours a week, three credits. Not offered 1937-1938.

356. Renaissance Poetry.—Mr. Ward
Studies in the development of lyric and narrative forms during the Elizabethan and Puritan periods, with special emphasis on Spenser and Milton. Recommended for students interested in writing poetry.

Prerequisite, course 267. Second semester, three hours a week, three credits. Not offered 1937-1938.
359-360. **The Drama to 1642.**— **Mr. Ward**
Rapid reading of plays illustrating the sources, development, and decline of the Elizabethan drama. Twenty-two plays of Shakespeare and about thirty plays of his contemporaries will be read and discussed.

Prerequisite or collateral, course 267, 268. One year, two or three hours a week, four or six credits. The two extra credits are assigned to students who complete the conference work.

365-366. **The Restoration and the Eighteenth Century.**— **Miss May**
English literature from Dryden to Blake, with attention to the development of prose, the rise of the novel, and the growth of romanticism. Lectures and readings contain the basic ideas of the course; conference is optional for students who wish to do independent work in literary history and appreciation.

Prerequisite or collateral, course 267, 268. One year, four or six credits. The two extra credits are assigned to students who complete the conference work. Not offered 1937-1938.

375-376. **The English Novel.**— **Miss May**
Its rise and development. First semester, Defoe to Scott; second semester, Dickens to the present.

Prerequisite or collateral, course 267, 268. One year, two hours a week, four credits.

385, 386. **Contemporary British Literature.**— **Miss May**
Studies in literary history and appreciation. Established British authors whose work was published mainly after 1870 are considered in detail. First semester, novel, poetry, and biography; second semester, drama. Lectures and readings contain the basic ideas of the course; conference is optional for students who wish to do independent work in literary history and appreciation.

Prerequisite or collateral, course 267, 268. One year, two or three hours a week, four or six credits. The two extra credits are assigned to students who complete the conference work.

387-388. **Junior Conference.**— **Mr. Ward and Miss May**
A weekly meeting of all juniors whose major is English. Credit is given only upon passing a comprehensive examination in English Literature.

Prerequisite, fifty-four credits. One year, one hour a week, two credits. Required of all students whose major is English.
C. Creative Reading and Writing

291, 292. Studies in the Short Story.—MR. CLARK
Reading and study of the greatest short stories of modern times. A careful study of the craftsmanship of short story writing is made and the students are given opportunity to write stories and have the benefit of class criticism.

Prerequisite, course 102. One year, two hours a week, four credits.

293-294. Studies in the Essay.—MR. CLARK
A thorough study is made of the great essay writers of the 19th century, especially Carlyle, Emerson, Ruskin, Arnold, Newman, and Huxley. One hour a week is reserved for creative work by students who desire it. The purpose of the course is to furnish content for original thinking and discussion and guided training in the art of writing the essay.

Prerequisite, course 102. One year, two hours a week, four to six credits. The two additional credits are assigned to students who complete the work in essay-writing.

391, 392. Studies in Nineteenth Century Poetry.—MR. CLARK
A creative study is made of the writings of the English poets of the 19th century; in the first semester, Wordsworth, Coleridge, Shelley, Keats, Scott and Byron; in the second semester, Browning and Tennyson. In this course, poetry is studied as a window through which we may see life. Comparison and contrast are made between poetry and the other arts: architecture, painting, sculpture, music and drama.

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

393-394. Studies in World Masterpieces.—MR. CLARK
A study of the greatest writers of all ages and of all nations, including during the first semester, Homer, Aeschylus, Sophocles, Book of Job, Dante and Goethe; during the second semester, Shakespeare, Cervantes, Ibsen, Hugo, Madach and others.

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

395, 396. Conference in Advanced Creative Writing.—MR. CLARK
Designed for those who wish to pursue their writing further than the courses offered above. Students may write in any fields they desire; short story, essay, or verse.

Prerequisite, course 292 or 294. One year, one or two hours a week two to six credits.
French

Professors Fickcn, Sundheim and Harrison

A major in French must include courses 301-302, 303-304 and 333 or equivalents approved by the department. An equivalent of course 333 is a grade of A or B in course 201-202. Courses 101-102 and 103 are not counted toward a major or a minor. See, also, restriction as to course 206.

The department does not undertake to recommend candidates to teach French who have not completed at least a minor including courses 303-304 and 333 or approved equivalents. Teacher candidates should also have had course 301-302 if possible.

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.—Miss Sundheim and Mr. Harrison

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

One year, five hours a week, eight credits.

103-204. Elementary and Intermediate French.—Mr. Ficken

A concentrated course for beginners of approved aptitude and designed to develop a reading ability in two semesters.

One year, six hours a week, twelve credits.

201-202. Intermediate French.—Mr. Ficken and Mr. Harrison

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. Harrison

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, three or four credits. Not offered 1937-1938.

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.
303-304. Phonetics and Conversation.— MR. FICKEN
Physiological analysis of the production of French sounds, intensive drill in pronunciation, weekly conference with the instructor and individual use of the phonograph for corrective purposes. The second semester is devoted primarily to conversation and presentation of plays. Should be taken before the senior year. Speech 141 and, if possible, 441 should precede or parallel this course.
Prerequisite for course 304 is course 303 and satisfactory rating in grammar placement test. One year, three hours a week, four credits.

313. Eighteenth Century Prose.— MR. FICKEN
Literary background of the French Revolution and origins of romanticism, with special emphasis upon Montesquieu, Voltaire, Diderot and Rousseau.
First semester, three hours a week, three credits. Not offered 1937-1938.

315. 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 and Musset. The romantic drama is included in course 322.
First semester, three hours a week, three credits.

316. The Modern Novel.— MISS SUNDEHEIM
Extensive reading of prose from Balzac to the present time.
Second semester, three hours a week, three credits.

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 1937-1938.

322. Nineteenth Century Drama.— MISS SUNDEHEIM
Extensive reading of plays representative of French dramatic currents since 1830.
Second semester, three hours a week, three credits. Not offered 1937-1938.

333. French Composition.— MISS SUNDEHEIM
A review course, primarily for seniors who intend to teach French.
First semester, three hours a week, three credits.
405R. Individual Course.—
By special arrangement with the department advanced students may undertake individual projects in courses not currently offered. Hours and credits to be arranged.

Teachers' Course.—
See Education 454.

Geology
Professor Alexander

A major in the department consists of twenty-three credits in Geology, including course 401. Other courses recommended for a Geology major are: Biology 102, Chemistry 102, or Physics 202.

101-102. General Geology.—
First semester: a study of the forces at work within and upon the surface of the earth, the structural forms which these forces have produced. Second semester: a study of 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, two lectures, one recitation, one two-hour laboratory period, eight credits. Field work as assigned. Biology majors are permitted to take course 102 without laboratory for three credits.

104. Physical Geology.—
This course is the same as 101 without the laboratory work. It may be made the equivalent of 101 by completing the required laboratory work of that course.

Second semester, three hours a week, three 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 two two-hour laboratory periods a week, three credits.

202. Petrology.—
A study of the origin, occurrence, classification, alteration, and use of the most common and important rocks.

Prerequisite, course 201. Second semester, one lecture and two two-hour laboratory periods a week, three credits.
303. **Vertebrate Paleontology.**—
A study of the origin and development of the ancestral mammals and their relation to the other living and extinct groups.
Prerequisite, course 102 or Biology 102. First semester, three hours a week, three credits.

304. **Regional Geology.**—
This course is given to introduce the student to the principles involved in the study of advanced general geology, and to offer the local student an opportunity to become better acquainted with the interesting and important geology of the region in which he lives. The topography, structure, and geologic history of Minnesota and Wisconsin together with some of the contiguous territory are studied.
Prerequisite, course 102. Second semester, two lectures and one laboratory or field period per week, three credits.

305. **Economic Geology.**—
A study of the origin and occurrence of most important geologic products of the earth. The time is given largely to the useful metals, coal, oil and gas, soil, and the building materials.
Prerequisite, course 102. First semester, three hours a week, three 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 in carrying on investigation. Detailed maps and reports are required.
Prerequisite, 11 credits in Geology. Either semester, or one year, two to four credits.

**German**

**Professors Milroy and Schultz, Mr. Carleton and Mr. Herzog**

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

101-102. **Elementary German.**— Miss Milroy, Miss Schultz, Mr. Carleton and Mr. Herzog

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, Miss Schultz and Mr. Carleton
Reading of at least 400 pages of narrative prose (stories) with
a review of grammar, accompanied by prose composition; conver­
sation.
Prerequisite, course 102 or two years of high school German. One
year, four hours a week, eight credits.

205-206. Scientific German.— Mr. Carleton
A reading course for science students.
Prerequisite, course 102. One year, three hours a week, six 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.

306. Goethe's Faust.— Miss Milroy
Critical and analytical study of Part I, its sources and develop­
ment.
Prerequisite, course 305 and fifty-four credits. Second semester, three
hours a week, three credits.

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. Nineteenth Century Drama.— Miss Milroy
Twelve dramas of the leading dramatists of the Nineteenth
Century commencing with Tieck's Der Gestiefelte Kater.
Prerequisite, fifty-four credits. Second semester, three hours a week,
three credits.
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.

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

Teachers' Course.—See Education 454.

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.
Not offered 1937-1938.

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.
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 HOLMES AND MACGREGOR

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: Economics 231-232; Political Science 153R, 255.

A major includes courses 101-102 and 203, 204; either 301, 302 or 307, 308.

A minor consists of fifteen credit hours and should include courses 101-102 or 201, 202 and 203, 204.

Students who plan to take the teachers' course must consult the department when registering for the second semester of the junior year.

101-102. The Modern World.—
MR. HOLMES AND MR. MACGREGOR
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. This course is intended for freshmen and is open to upper classmen only with the consent of the department; when taken by juniors or seniors half credit is allowed.

One year, three hours a week, six credits.

201, 202. English History.—
MR. HOLMES
A sophomore survey. With the consent of the instructor, this course may be elected as a substitute for History 101-102 by freshmen who do not desire a major in History. First semester to 1603; second semester to the present.

One year, three hours a week, six credits.
203, 204. The United States from Colonial Times to the Present.—MR. MACGREGOR
A survey of American History. This course deals intensively with the social, economic, and political development of the nation. Special stress is placed on the westward expansion and colonial extension of the United States. American activity in the Great War and post war conditions are covered.
Prerequisite, twenty-four credits. One year, four hours a week, eight credits.

301. Ancient Civilization.—MR. HOLMES
A study of the historical development of early culture with chief stress on Greek and Roman civilization.
Prerequisite, fifty-four credits. First semester, three hours a week, three credits. Alternating with course 307. Not offered 1937-1938.

302. Medieval Civilization.—MR. HOLMES
The development of European culture from the decline of the Roman Empire to the end of the sixteenth century.
Prerequisite, fifty-four credits. Second semester, three hours a week, three credits. Alternating with course 308. Not offered 1937-1938.

307, 308. Nineteenth and Twentieth Century Europe.—MR. HOLMES
An intensive study intended to acquaint students with the development of political, social and economic forces in recent European history. During the second semester emphasis will be placed on the period since 1871.
Prerequisite, fifty-four credits, including course 101-102. One year, three hours a week, six credits. Alternating with courses 301, 302.

313. Rise of Latin America.—MR. MACGREGOR
A study of the history of the countries of Central and South America with emphasis on the growing international importance of these areas.
Prerequisite, fifty-four credits and either course 203, 204 or 307, 308. In individual cases senior standing alone may be sufficient for a prerequisite.
First semester, two hours a week, two or three credits. Alternating with course 315.

315. Representative Americans.—MR. MACGREGOR
This course is devoted to the study of outstanding biographies of representative Americans.
Prerequisite, fifty-four credits, including either courses 203 and 204 or English 351 and 352. In individual cases, with the consent of the instructor, senior standing alone may be sufficient for a prerequisite.
First semester, two hours a week, two or three credits. Alternating with course 313. Not offered 1937-1938.
401, 402. Individual Course.—

MR. HOLMES AND MR. MACGREGOR

This course is open to those advanced students in history who wish to study some subject not regularly offered. The subject studied and the nature of the instruction will be determined in conference with the department.

Prerequisite, ninety credits. Hours and credits to be arranged.

Teachers’ Course.—See Education 456.

**History of Art**

**Professor Kelso**

**101R-102R. Survey of Art History.**—

A survey of the architecture, sculpture and painting of the western world from the pyramids of Egypt down to the present time. First semester: the art of Egypt, Greece and Rome; Early Christian, Byzantine, Romanesque and Gothic architecture. Second semester: architecture in the renaissance, baroque and modern periods; the painters and sculptors of Europe from 1300-1900 A. D.

One year, two hours a week, four credits.

**201-202R. Italian Art.**—


One year, two hours a week, four credits.

**203. Painters of Northern Europe.**—

The painters of the Netherlands, Holland, Germany, France and Spain.

First semester, two hours a week, two credits.

**205. Greek Art.**—

The architecture and sculpture of Greece.

First semester, two hours a week, two credits.

**207-208R. The History of Architecture.**—

A careful study of the principles and monuments of architecture, from the Egyptian through the Greek, Roman, and medieval and renaissance periods down to modern functional architecture.

One year, two hours a week, four credits.
Latin

Professor Georgiana 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 or its equivalent and Education 458, 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 History 301, History of Art 205, Philosophy 311 and English 359-360.

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.

212. Roman Private Life.—
A course designed primarily to provide background for the teaching of Latin or Ancient History.
Prerequisite, twenty-four credits or permission of instructor. Second semester, two hours a week, two or three credits. Not offered 1937-1938.

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. Not offered 1937-1938.

302. Comedy.—
Representative plays of Plautus and Terence. Collateral work in the history of the drama and the Roman theatre.
Prerequisite, course 202. Second semester, three hours a week, three credits. Not offered 1937-1938.
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 1937-1938.

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 or three credits.

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

311. **Prose Survey.**
Selections from the principal prose writers of early Latin and the Silver Age.
Prerequisite. Course 202 or four years of high school Latin. First semester, three hours a week, three credits.

312. **Poetry Survey.**
A survey of Latin Poetry from Vergil to the Church Fathers.
Prerequisite. Course 202 or four years of high school Latin. Second semester, three hours a week, three credits.

314. **Medieval Latin.**
A rapid reading course to develop reading speed and vocabulary.
Prerequisite. Four years of high school Latin or course 202. Second semester, three hours a week, three credits.

324. **Horace.**
Selections from the whole of Horace's works.
Prerequisite. Fifty-four credits and one 300 course. Second semester, three hours a week, three credits. Not offered 1937-1938.

325. **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 two 300 courses. First semester, three hours a week, three credits.

327. **Writers of the Silver Age.**
Selections from Tacitus and Pliny the Younger, along with a study of the history of that period.
Prerequisite. Fifty-four credits and two 300 courses. First semester, three credits a week, three credits. Not offered 1937-1938.

401R. **Individual Course.**
Open to advanced students in the department on consent of the instructor.
Either semester, two or three credits.

**Teachers' Course.**—See Education 458.
Mathematics and Astronomy

Professor Kingery and Mr. Palmer

Courses 101 and 102 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. Palmer

This course is for those who present only two units in high school mathematics.

One year, four hours a week, eight credits.

201-202. Analysis.—

Mr. Kingery and Mr. Palmer

A course in College Algebra, Trigonometry and Analytic Geometry. Methods of calculus are introduced.

One year, four hours a week, eight credits.

301-302. Advanced Analysis.—

Mr. Kingery

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.—

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. Kingery

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.

Teachers' Course.—See Education 459.

Music

Music may be chosen as a major or a minor. Students with a major in music and a minor in history may count Music 203-204 as part of the minor. The total number of credits permitted in music is forty-four.

Requirements for a Major in Music:

1. Theory and Literature of Music:

<table>
<thead>
<tr>
<th>Required</th>
<th>Elective</th>
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<tbody>
<tr>
<td>First year...Course 101-102 4 credits</td>
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<tr>
<td>Course 103-104 2 credits</td>
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<tr>
<td>Second year. Course 201-202 4 credits</td>
<td>Course 303-304 4 credits</td>
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<tr>
<td>Course 203-204 6 credits</td>
<td>Course 305-306 4 or 8 credits</td>
</tr>
<tr>
<td>Third year. Course 301-302 4 credits</td>
<td>Course 309-310 2 credits</td>
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<tr>
<td>Course 307-308 4 credits</td>
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</tbody>
</table>
2. **Applied Music.** In addition to the above a minimum of six credits is required in any one of the following branches elected:

- Piano
- Organ
- Voice
- Violin
- Cello
- Clarinet
- Flute
- Horn
- Trumpet
- Choral music
- Band ensemble
- String ensemble

**Composition** may be elected in lieu of applied music. In such case, eight credits in course 305-306 are required.

Special requirement for a major—Physics 101-102.

**Music Education:**

A certificate in **Secondary School Music** may be attained in the senior year:

(a) By addition to a major with concentration in **Choral Music** of:
   - Education 465-466 2 credits
   - Education 469-470 2 credits

or—

(b) By addition to a major with concentration in **Band Ensemble** of:
   - Education 467-468 2 credits
   - Education 469-470 2 credits

Special requirements for a certificate in **Secondary School Music**

(a) **Voice** .................................................. One year
(b) **Piano** ................................................. Sophomore proficiency
(b) **Orchestral strings** .................................. One year

**Requirements for a Minor in Music:**

1. **Theory and Literature of Music:**
   - First Course 101-102 4 credits
   - Second Course 203-204 6 credits

2. **Applied Music.** A minimum of four credits is required in any one of the branches listed under "Applied Music" in the statement of requirements for a major.

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**COURSES OF STUDY**

1. **THEORY AND LITERATURE OF MUSIC:**

   - **101-102. Elementary Harmony.**—
     One year, two hours a week, four credits.

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

   - **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. Harmonic Analysis.**—
     Prerequisite, course 202 or permission of instructor. First semester, two hours a week, two credits.

   - **302. Form; Homophonic, Polyphonic.**—
     Prerequisite, course 301, or permission of instructor. Second semester, two hours a week, two credits.
303-304. Counterpoint.— MR. JENSEN
Prerequisite, course 202, or permission of instructor. One year, two
hours a week, four credits.

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

307-308. Musical Literature of the Eighteenth and
Nineteenth Centuries.— MR. JENSEN
Prerequisite, course 204. One year, two hours a week, four credits.

309. Harmony of the Twentieth Century.— MR. JENSEN
Prerequisite, course 301. First semester, one hour a week, one credit.

310. Musical Literature of the Twentieth Century.— MR. JENSEN
Prerequisite, course 309. Second semester, one hour a week, one credit.

2. APPLIED MUSIC:

105-106. Choral Music.— MR. JENSEN
Membership of the class selective and limited. Vocal test
required. Subject matter will change from year to year, and
the course may be repeated from year to year with credit.
Membership of this class constitutes the Macalester Oratorio
Choir.
One year, three hours a week, two credits.

107-108. Band Ensemble.— MR. JOHNSON
Subject matter will change from year to year, and the course
may be repeated from year to year with credit. Membership
of this class constitutes the Macalester College Band.
One year, three hours a week, two credits.

311-312. Orchestral Strings.— MISS HARRIS
Open only to students concentrating in Secondary School Music.
One year, one hour a week, no credit.

Individual Instruction.—
Piano Violin Flute (Each, one period a week,
Organ Cello Horn one credit a semester.
Voice Clarinet Trumpet)

3. Music Education:

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

Teacher’s Courses in Secondary School Music.—
See Education 465-466, 467-468, 469-470.

For further information concerning the Conservatory of Music
refer to pages 94-100 of this bulletin.
Philosophy
PROFESSOR 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.

315. Epistemology.—
This course aims to introduce the student to the problems of the nature of knowledge and of the possibility of knowledge of the ways of knowing.
Prerequisite, fifty-four credits. First semester, two hours a week, two credits. Not offered 1937-1938.
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. Not offered 1937-1938.

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.

403, 404. Individual Course.—
The student selects a topic for intensive study under the guidance of the instructor.
Prerequisite, ninety credits and approval of the instructor. One or two credits a semester.

Physics
Professor Hastings

For a major in Physics the following courses are required: Physics 201-202, 301, 302, 351-352 and 411R; Mathematics 302; Chemistry 101-102. A thesis is required upon graduation in connection with the individual work in course 411R.

For a minor in Physics the following courses are suggested: 201-202, and any one of 301, 302, or 351-352.

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.

Students preparing to enter a college of engineering should complete the following courses in Physics: 201-202, 221, 301, 302, 304.

101-102. Sound.—
A course designed primarily to meet the requirements of the Conservatory of Music, but open to all students. Part of the first semester is devoted to a summary of principles of physics. The remaining time is given to a detailed study of sound, including oscillographic analysis of tone. Students will be given fundamental experiments in sound throughout the course.
One year, three lecture and recitation hours a week, six 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. Each student is required to perform about thirty basic experiments each semester.

Prerequisite, Mathematics 102 or three units of High School Mathematics. One year, two lectures and 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 fundamental radio circuits. The characteristic curves of vacuum tubes are plotted, tube constants are measured, and fundamental receiving and transmitting circuits are set up and tested. Work with the laboratory's short wave transmitter is included in the course.

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

301. Mechanics and Thermodynamics.—
An introduction to analytical mechanics and classical thermodynamics. Attention is given to such subjects in mechanics as the dynamics of particles, and in thermodynamics to the theory of reversible changes. About thirty experiments are performed. Some of the subjects covered by them are harmonic motion, motion of projectiles, moment of inertia, viscosity, specific heat and continuous flow calorimetry.

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

302. Electricity and Optics.—
An introduction to such subjects as potential theory, electromagnetism, interferometry, diffraction, and radiation. Thirty laboratory experiments are given in the course. Measurements are made in electricity using various bridge circuits, potentiometers, permeameters and current inductors. In optics the interferometer, concave grating spectrometer, and photoelectric cell are among the instruments used.

Prerequisite, course 202. Second semester, two recitations and two two-hour laboratory periods a week, four credits.
304. Analytical Mechanics.—
A course offered especially for those students planning to enter a college of engineering. Most of the time is devoted to the solution of problems in engineering mechanics. Members of the faculty in both the Physics and Mathematics departments cooperate in the teaching of the course.
Prerequisite, Physics 202 and Mathematics 302. Second semester, three hours a week, three credits.

351-352. Atomic Physics.—
A survey of the developments in modern atomic physics which have been so important in recent years. The first semester's work includes kinetic theory, radiation theory, quantum theory, spectroscopy, and X-rays. The second semester deals with atomic spectra, the periodic system, radioactivity, relativity and astro-physical measurements.
Prerequisite, course 202. One year, two hours a week, four credits.

411R. Advanced Experimental Physics.—
In this course the student is allowed to carry on experimenta- tion 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 develop an interest in physical research. The course may be repeated with different topics.
Prerequisite, course 301 or 302. Either semester, four hours a week, two credits.

Teachers' Course.—See Education 461.

Psychology

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. May be counted toward a major or minor if student's grade is B or better.
Prerequisite, twenty-four credits. Either semester, three hours a week, three credits.

305. The Psychology of Childhood.—
A careful study based upon lectures, textbook and observation and report on individual children, with emphasis placed upon heredity and family adjustments, mental and emotional development and guidance toward a wholesome personality.
Prerequisite, course 201. First semester, three hours a week, three credits.
306. The Psychology of Adolescence.—
Physiological, mental and social phases of the adolescent period, conflicts and typical reactions, the growth of appreciation, motivation, interests, morals and religion. Especially intended for those planning to lead or teach adolescent groups.
Prerequisite, course 201. Second semester, three hours a week, three credits.

307. Applied Psychology.—
Practical applications of psychology to major fields of human activity, such as law, medicine, education, business and industry, together with its relation to personal efficiency and vocational choice.
Prerequisite, course 201. First semester, three hours a week, three credits.

310. Experimental Psychology.—
An introduction to the experimental method and the statistical treatment of data in the field of psychology, with more detailed study of certain principles arising in General Psychology, such as reflex action, sensation, perception, association, learning, and attention.
Prerequisite, course 201 and consent of instructor. Second semester, one lecture and two laboratory periods a week, three credits.

313. Personality and Mental Hygiene.—
A study of personality development and adjustment with reference to case materials, especially biographical studies. Introductory consideration of personality measurement and mental hygiene. It is highly desirable that students have as an antecedent Sociology 301.
Prerequisite, fifty-four credits, including six in Psychology. 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.
Prerequisite, fifty-four credits, including courses 201 and 313. Second semester, three hours a week, three credits.
401, 402. Individual Course.—

First semester: A study of the growth of modern psychology, contemporary schools and workers in the field, for seniors with a major in the department, planning further study.

Second semester: A study of special problems, for students desiring to continue investigations begun in the regular courses or to carry on individual research in the field of their vocational choice.

Prerequisite, ninety credits and consent of the instructor. Two hours a week, two credits a semester.

Other courses for which credit is given in this department are: Education 201, Religion 336 and Sociology 301. Not more than two of these courses may be counted toward a major in Psychology and not more than one of them toward a minor.

Religion
Including Bible and Religious Education
PROFESSORS WALLACE, KAGIN AND MCLEAN

The work of this department is organized to meet the needs of three types of students and courses are recommended for them as listed below:

First: For those who wish to devote to the study of religion only the eight hours required for graduation, it is recommended that course 101-102 or 105R be followed by electives chosen from the offerings related to special fields of interest.

Second: For those who wish to equip themselves for volunteer leadership in the work of the church, it is recommended that they take 12 credits which constitute a minor. These credits must include 201R and 342 in addition to 101-102 or 105R.

Third: For those who wish to build up foundation courses in religion so that they may be in a position to do advanced work in a theological seminary or graduate school of religious education, the department provides two types of majors as follows:

A Pre-Theological Major which consists of at least twenty credits in addition to 101-102 or 105R. It should include courses 103, 201, 208 or 313, 336 and 341. Supporting courses required in other fields are Greek 101-102 and 203-204, Sociology 201, Philosophy 220 and 326.
A Pre-Religious Education Major which consists of at least twenty credits in addition to 101-102 or 105R. It should include courses 103, 201, 208, 313 or 314, 341 and 342. Supporting courses required in other fields are Education 201, Sociology 201, Psychology 305-306.

101-102. The Life and Teachings of Jesus.— MR. McLEAN
A study of the life and teachings of Jesus from an historical point of view. The course is planned on a lecture-conference basis. All students attend one lecture a week. The second hour is devoted to reports and discussions held in small conference sections.
One year, two hours a week, four credits.

103. Old Testament History.— MR. KAGIN
This study is a biographical approach to the social, political, and religious history of the Hebrews. Important ideas and events are associated with outstanding personalities.
First semester, two hours a week, two credits.

105R. The Jesus of History.— MR. KAGIN
This is a short course in the life of Jesus. It begins with a survey of the social, political, moral and religious conditions which Jesus faced and proceeds with a careful study of the major events in his life and his outstanding teachings.
Either semester, two hours a week, two credits.

201R. The Apostolic Church. MR. KAGIN
This study traces the spread of the Christian church from Jerusalem as a center through Palestine, Syria, Asia Minor, Greece and Rome. The Acts and letters of Peter, John and Paul are used as source material.
Prerequisite, 101-102, or 105R. Either semester, two hours a week, two 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.
205. Contemporary Forms of Christianity. — MR. KAGIN
This course aims to give a better understanding of the various denominations of the Christian church and an appreciation of their contribution to the religious life of our day by a study of their background, origin, doctrines and institutions.

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

208. The Prophets of Israel. — MR. KAGIN
A careful study of the historical, religious and social background of the prophets, in relation to their own and surrounding nations. Emphasis is laid upon their ethical and religious messages and their permanent contribution to world thought.

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

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

Prerequisites, Religion 102 or 105R, English 102. Advanced courses advised: Religion 103, 208; English 267, 268. One year, two hours a week, four credits.

311. Essentials of Christian Belief. — MR. KAGIN
This course aims to help the student to harmonize the facts he has discovered in the various fields of science with a vital faith in the spiritual realities of Christianity. Such subjects as God, Creation, Sin, Revelation, Redemption and Life after Death are discussed.

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

312. Comparative Religion. — MR. KAGIN
A study of the great religious system of the world including Hinduism, Jainism, Buddhism, Zoroastrianism, Confucianism, Taoism, Shintoism, Mohammedanism, Sikhism, Judaism and Christianity. An attempt is made to point out the strong and weak features of each of these religions in the light of the teachings of Christianity.

Prerequisite, fifty-four credits. Second semester, two hours a week, two credits.
313, 314. The Principles of Christian Social Action.—
A study of the principles that underlie the attempt of Christianity to translate its teachings into effective means of social control. Special attention is given to contemporary social and religious movements.
Prerequisites, course 102 or 105, Philosophy 205 or Psychology 201 or Sociology 201 or Economics 232. One year, two hours a week, four credits.

336. Psychology of Religious Experience.— MR. McLEAN
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.

341. Introduction to Religious Education.— MR. McLEAN
The purpose of this study is to introduce the student to the general field of religious education. A rapid survey is made of the history, underlying philosophy, aims, methods, content, curricula materials, agencies, organizations, problems and opportunities of the religious education movement.
Prerequisite, fifty-four credits. First semester, two or three hours a week, two or three credits.

342. The Program of Religious Education.— MR. KAGIN
A study of the organization and program of religious agencies. Consideration is given to survey technics, principles of program building, selection of materials, training of leadership, and tests and measurements. This course is to prepare students for volunteer religious leadership in the community.
Prerequisite, fifty-four credits. Second semester, two or three hours a week, two or three credits.

343. Religious Education and the Adolescent.—MR. McLEAN
This course deals with the history, problems and methods of work with young people of high school and college age.
Prerequisite, fifty-four credits. First semester, two hours a week, two 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.
Sociology

Professors Cornell and Koontz

Twenty credits are required for a major in Sociology and twelve credits are required for a minor. Those planning to take a major or minor should plan a selection of courses in consultation with the instructor.

The following foundation courses and their prerequisites are basic requirements in addition to a major in Sociology leading toward training in Social Work:—Biology 303, Economics 232, Political Science 153R, Psychology 314. Recommended additional courses in Sociology and in other departments to supplement requirements are:—Sociology 251, Group Work; Sociology 302, Social Pathology; Biology 204; Economics 339; Education 201R; Psychology 305, 306. Speech 245 and 441-442 are recommended for students interested in group work.

201R. Introductory Sociology.— Mr. Cornell

The origin and development of human culture. A consideration of the role of personality, population, social institutions, interactional processes and the prospects of social control.

Prerequisite, twenty-four credits or consent of instructor. Either semester, three hours a week, three credits.

251-252. Elements of Group Work.— Mrs. Koontz

A non-technical course for those students interested in group leadership including a study of the basic principles and theory of group work, and the functions of the group leader, with an analysis of types of leadership. Structure and functions of group working agencies are considered, and the methods of program building are discussed. Attention is given to the mechanics of attendance and group records.

Prerequisites, fifty-four credits, plus the requirement of concurrent, active participation as leader of a group in the community. One year, two hours a week, four credits.

301. Social Psychology.— Mr. Cornell

A study of human nature as a result of the interaction between the organic and social processes. A consideration of social behavior in terms of prejudice, fashion, crowd behavior, leadership, propaganda and public opinion.

Prerequisite, Psychology 201 and Sociology 201. First semester, three hours a week, three credits.
302. Social Pathology.—Mr. Cornell
A consideration of some of the major problems of personal and social maladjustment and disorganization, including the pathology of the individual, domestic and economic relations, and social organization. Causes, processes, effects, and scientific control.
Prerequisite, course 201. Second semester, three hours a week, three credits.

303. Criminology.—Mr. Cornell
Crime in historical perspective and as a phase of the cultural situation; the significance of the shift from primary to secondary group life for criminal behavior; the possibility of social inventions and new controls in the light of scientifically determined causative factors. Juvenile delinquency and penological problems are considered, with appropriate field trips.
Prerequisite, course 201. First semester, three hours a week, three credits.

305. Modern Cities.—Mr. Cornell
The rise of the urban community; ecological study of the personality and social behavior in the urban milieu; institutional aspects; social control and social planning in the city.
Prerequisite, course 201. First semester, three hours a week, three credits. Not offered 1937-1938.

308. The Family and Marriage.—Mr. Cornell
The origins, development, and functions of marriage and family life; modern social and economic changes and family disorganization; American marriage and family relationships; theoretical and personal problems.
Prerequisite, course 201. Second semester, three hours a week, three credits.

309. The Rural Community.—Mr. Cornell
The study of rural society: Its organization and relations; its people, the rural personality; rural social institutions; rural-urban relations; the future of rural culture.
Prerequisite, course 201. First semester, three hours a week, three credits. Not offered 1937-1938.

326. Social Statistics.—Mrs. Koontz
A study of the elementary principles of statistics and their application to the field of sociology, social work, and economics. Sampling, frequency distribution, averages, ratios, measures of probability and error, correlation and graphic presentation are considered. Selected statistical studies in the fields of sociology, social work, economics, and public health are critically examined and practice problems assigned.
Prerequisite, fifty-four credits and foundation courses. Second semester, four hours a week, four credits.
351R. Field of Social Work.— Mrs. Koontz
An orientation course presenting a general view of the field of social work, and including a field survey of the existing social agencies in Minnesota with particular reference to Ramsey and Hennepin counties. Designed not only for the pre-professional student in social work, but for students in the fields of education, religion, and other allied professional fields in which a knowledge of the social resources of a community is an asset. Field trips supplement class lectures.
Prerequisite, Sociology 302 and foundation courses. Either semester, two hours class and two hours field work a week, three credits.

355. Social Protection of the Child.— Mrs. Koontz
A general study of the social problems of childhood with a consideration of the means by which society is meeting the problems of conservation of child life, child health, child training anti-social behavior, illegitimacy, subnormality, dependency and child labor.
Prerequisite, course 351 or consent of instructor. First semester, three hours a week, three credits.

Teachers’ Course.— Mr. Cornell
See Education 464.

Spanish
Professor Harrison
Course 101-102 not counted toward a major.

101-102. Elementary Spanish.—
Pronunciation, the essentials of grammar, elementary conversation and reading.
One year, five hours a week, eight credits.

201-202. Intermediate Spanish.—
Rapid review of grammar, conversation and composition and readings from Spanish Literature.
One year, four hours a week, eight credits.

208. Commercial Spanish.—
A study of elementary business along with practice in Spanish commercial correspondence.
Prerequisite, course 201. Second semester, three hours a week, three credits.
301, 302. Survey of Spanish Literature.—
A study of Spanish literature from the Poema del Cid to modern times, with special emphasis on the Golden Age. Lectures, reading of representative works and reports.
One year, three hours a week, six credits.

303. Modern Spanish Drama.—
A study of the drama from Moratin through Galdos, with special emphasis upon the Romantic Movement.
First semester, three hours a week, three credits.

304. The Modern Spanish Novel.—
Mainly a study of the Novel of the 19th century.
Second semester, three hours a week, three credits.

306. Spanish Civilization.—
A study of the factors that have contributed to the development of Spain up to the present time.
Second semester, three hours a week, three credits.

313. Survey of Spanish American Literature.—
Lectures, and study of representative movements and authors, with special emphasis on the influence of Ruben Dario upon modern poetry.
First semester, two hours a week, two credits.

315, 316. Phonetics and Conversation.—
A scientific study of pronunciation and oral expression. Intensive drill in pronunciation with individual use of the phonograph for corrective purposes. The second semester is devoted primarily to conversation and oral reports.
Prerequisite, course 202. One year, two hours a week, four credits.

405R. Individual Course.—
By special arrangement with the department advanced students may undertake individual projects in subjects not regularly offered. Hours and credits to be arranged.

Teachers' Course.—
See Education 454.
Speech

PROFESSORS WHITRIDGE, CLARK, OWEN AND MR. LEVANDER

The aim of this department is to help the student find himself and then adjust himself to social environment through speech and dramatic art; to correct voice faults, stimulate self expression and develop mental acumen.

To further these aims opportunity is given students in the department to develop social consciousness thru monthly formal receptions at which programs are presented including plays, reading, extemporaneous speaking, formal and informal discussions.

A major in Speech shall consist of 17 credits in Interpretation and Dramatic Art and 6 credits in Debate and Oratory. A minor shall consist of 12 credits selected from courses in either Interpretation and Dramatic Art or Debate and Oratory.

Course 141-142 is not counted toward a major or minor.

English 386 is required as a supporting course for a major in Speech.

141-142. Fundamentals.— MISS OWEN
Fundamental principles underlying speech and interpretation. Origin and development of speech. Speech mechanics. Psychology of speech as related to social behavior and mental hygiene. Speeches: principles, types, kinds. Emphasis on breath control, diction, contact, poise and platform work that speech may become a habit skill.
One year, three hours a week, six credits.

A. Debate and Oratory

211. Argumentation and Debate.— MR. LEVANDER
Intensive study is made of the principles of argumentation. Practical applications illustrating these principles are stressed. Analysis, elementary logic, briefing, arrangement, and developing the argument are given thorough consideration. Effective presentation is emphasized but clear thinking is made the dominant element.
Prerequisite, course 142. First semester, three hours a week, three credits.

212. Argumentation and Debate.— MR. LEVANDER
This is a continuation of course 211 with special emphasis on the application to actual speeches of the principles learned the
first semester. Applied logic, skill in intercollegiate debating and persuasion are made a substantial part of the course. Recommended especially for pre-law students and intercollegiate debaters.

Prerequisite, course 211. Second semester, three hours a week, three credits.

214. Debate Conference.— Mr. LeVander
A specialized study is made of one or two questions selected for inter-collegiate debate. Library reading, discussions, team meetings, practice debates, briefs and intercollegiate contests are a part of the course. This course takes a great deal of time and should be attempted only by those who can meet the requirements. It may be repeated for additional credit.

Prerequisite, course 142. Second semester, two credits.

302. Extempore Speaking.— Mr. Clark and Mr. LeVander
This course is devoted to a study of the gathering of material and its organization, speech construction and delivery. The student is required to gather material and outline speeches on a variety of subjects. The purpose of the course is to give the student a fund of topics upon which he can speak and a knowledge of how to present them effectively so that the necessity of his speaking entirely impromptu will be minimized.

Prerequisite, course 142. Second semester, three hours a week, three credits.

303. Speech Rhetoric.— Mr. LeVander
A study of advanced principles of speech composition and delivery. The psychology of the audience is thoroly considered. Great speakers and their speeches are studied. Those interested in oratory are advised to take this course.

Prerequisite, course 212. First semester, three hours a week, three credits.

403R. Oratory Conference.— Mr. LeVander
Preparation and work on delivery of orations for intercollegiate contests is the major part of the course. The course is largely individual work with private conferences with the instructor for advice and suggestions. Open to college orators only.

Prerequisite, course 303 or consent of the instructor. Either semester, two credits.
B. Interpretation and Dramatic Art

241-242. Interpretation.— Miss Whitridge
Technics of interpretation. Literature studied with reference to physical and vocal interpretation. Reading. Analysis of emotions. Pantomime, improvisation. Adaptation of the poem, the short story and the play for platform use. Students in this course have opportunity for practical experience.
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 study of religious drama including Biblical drama with reference to the development and discipline of the creative, imaginative and emotional life of the student. Principles underlying religious drama and the technic of presentation in churches and guild halls.
Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.

343-344. Shakespeare, Modern Drama and Prose.— 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.

346. History of the Theater.— Miss Owen
History of the drama and the theater from the ritualistic dances to the modern stage production.
Second semester, two hours a week, two credits.

441-442. Theory and Practice of Acting.— Miss Whitridge
Make-up, stage equipment, organization, management. Making of stage models, building, painting and lighting scenery. Students in this course are required to participate in productions and coach one play for public production.
Prerequisites, course 142 and English 386. One year, three hours a week, six credits.

443. Individual Course.— Miss Whitridge and Miss Owen
Open to students in Speech and Interpretation who wish to do advanced work not offered in regular courses.
One credit.

Teachers' Course.—See Education 451.
Health and Physical Education

Professors Primrose and Shepard

Physical Education is required of all students throughout the first and second years, unless excused through physical disability. A physical examination is required annually. At the time of registration, appointments for this service are assigned and these take precedence over class work until they are completed.

An effort is made to classify students according to previous physical education experience, physical ability and aptitude and physical fitness.

Men

Mr. Primrose, Director

Inter-collegiate teams are maintained in football, basketball, track and field, swimming, ice hockey, golf and tennis. Credit for gymnasium attendance is given regular members of the squads who are selected by the coach. These members are not required to take gymnasium work in basic required courses 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 intra-mural schedules are formed each year for teams in basketball, volleyball, handball, and kittenball. Inter-class games are held in swimming, hockey, handball, tennis, golf, track and field, basketball and volleyball.

101-102. Elementary Physical Education.— Mr. Primrose

Correct posture in standing, sitting, 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, two points.

201A-202A. Intermediate Physical Education.— Mr. Primrose

This course includes the theory and practice in athletic and gymnastic types of physical education: calisthenics, tumbling, marching, boxing and wrestling.

One year, two hours a week, two points.
201B-202B. Elementary Swimming.—
This course aims to enable the student to swim well enough to meet emergencies.
One year, two hours a week, two points.

201C-202G. Advanced Swimming.— MR. PRIMROSE
The student is required to be able to use efficiently the crawl stroke, back stroke, side stroke, and breast stroke. Instruction is given in diving and life saving methods.
One year, two hours a week, two points. (Sophomore men are required to take one course numbered 201-202.)

Women
Miss Shepard, Director
The department has as its aims the development of student appreciation and interest in physical health. The program considers the need of the individual and makes contributions to the student for worthwhile use of leisure time, both in and after college. Toward this end a wide variety of activities is offered.

Work in this department must be taken for four consecutive semesters in the first two years. The curriculum includes both theoretical and practical approach to content. Students are required to provide themselves with suits and other equipment in accordance with uniform standards of the department.

101-102. General Physical Education.— Miss Shepard
Introductory courses in knowledge and motor skills in seasonal team and individual sports; body mechanics; theory and practice of fundamental body movements and elements of natural dancing.
Required of freshmen. One year, two hours a week, two points.

201-202 is the course number for required work for the second year. Here, the student, classified by previous rating in 101-102 is, with the permission of the instructor, allowed choice in registration in the following courses:

201A-202A. Team Sports.— Miss Shepard
Advanced instruction in the practice and theory of team sports in season: hockey, basketball, volleyball, speedball, baseball, soccer. Instructions and practice in coaching technic and officiating.
One year, two hours a week, two points.
201B-202B. Individual Sports.— Miss Shepard
Advanced instruction in the practice and theory of individual sports in season: tennis, archery, badminton, recreational games (ping pong, shuffleboard, aerial darts, deck tennis, pin bowling, etc.)

One year, two hours a week, two points.

201C. Natural Dancing.— Miss Shepard

First semester, two hours a week, one point.

201D-202D. Elementary Swimming.— Miss Shepard
For beginners and students whose skill does not enable them to pass the intermediate requirements.

One year, two hours a week, two points.

201E-202E. Advanced Swimming.— Miss Shepard
For students wishing to work for the Senior Red Cross Life Saving Certificate. Open to those who show proficiency in the various strokes, underwater swimming, and endurance.

One year, two hours a week, two points.

Men and Women
Credit Courses

The following courses are offered for students who wish a minor in Physical Education or wish to meet the requirements of the State Department of Education. Those expecting to teach should consult the head of the Department of Education concerning required courses.

Prerequisite for all the following courses except 103R is course 202.

A minor in Physical Education consists of twelve credits from the following courses: 301 or 312, 302, 310, 403-404 and Biology 102.

Courses which will qualify the student to meet the requirements of the State Department to teach Physical Education part time are courses 310, 403-404, and Biology 102.

103R. Personal Hygiene.— Miss Shepard, Mr. Primrose
A series of lectures and assigned reading designed to help students direct their activities in accordance with modern health standards. This course includes class discussion of the essentials of human anatomy and physiology with practical applications of hygienic principles to individual needs.

Required of freshmen. One semester, one hour a week, one credit.
301. Corrective Physical Education and Kinesiology.—

Mr. Primrose

Methods of examination for the detection of physical defects, corrective and preventive treatment of faulty body mechanics and a study of the action of the bones, joints and muscles in simple and complicated movements.

Open to men and women. Prerequisites, Biology 204 and 301. First semester, three hours a week, three credits. Not offered 1937-1938.

302. Theory of Sports.—

Miss Shepard

The major team, individual and recreational sports for women will be studied from the theoretical approach; rules, strategy, fundamentals of offense and defense, coaching technic and officiating.

Open to women. Prerequisite, course 202A or 202B. Second semester, two hours a week, two credits. Not offered 1937-1938.

305. First Aid and Athletic Training.—

Miss Shepard, Mr. Primrose

A study of first aid methods and treatment of injuries. The official American Red Cross course in First Aid is followed.

Open to men and women. First semester, two hours a week, two credits.

310. History and Theory of Physical Education.—

Miss Shepard

This course includes the basic principles and philosophy of physical education, the general historical background; principles of organization and administration.

Open to men and women. Prerequisite, Biology 102. Second semester, two hours a week, two credits.

312. Health Education.—

Miss Shepard

A consideration of the place of health in education; history, principles, recent advances and present day programs in health education; medical inspection, symptoms and control of the common diseases and problems relating to the health and sanitation of the school and home. Assigned readings, lectures, discussions, term paper, book reports.

Open to men and women. Second semester, two hours a week, two credits.

315-316. Theory of Sports.—

Mr. Primrose

The major and minor sports (football, basketball, track and field, hockey, swimming) defense. Strategy of games, scouting, psychology of coaching, study of rules and officiating are covered. The student is required to help coach and officiate freshmen, inter-class and intra-mural team games.

Open to men. One year, two hours a week, four credits.

Teachers' Course.—See Education 473-474.
Macalester College Conservatory of Music

Faculty

CARL A. JENSEN, Director
Musical Theory, Organ, Choir

HAROLD AYRES, Violin
RUTH BACH, Piano
GABRIEL FENYVES, Piano
CARL F. GUGGISBERG, Voice
HELEN HARRIS, Violin
SADIE GINGOLD HENLY, Piano
MARY EDITH HUGHES, Expression, Dancing
HOLLIS JOHNSON, Clarinet, Band
JAMES MESSEAS, Cello, Ensemble
ANNE McCLOUD PIERCE, Voice
DORA S. SCHAETTGEN, Piano
HARRIET SCHAFFNER, Piano
CLAIR THORALDSON, Piano
MYRTLE WEED, Piano
JESSIE MAY YOUNG, Piano, Piano Normal
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 30 and 31 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 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 thirty. A minor in music requires a minimum of sixteen credits. For detailed statement of requirements see page 72.

Certificate in Secondary School Music.—This certificate is obtainable on completion of the requirements described under Music Education on page 72.

Diploma of the Conservatory.—This diploma is attainable on completion of the following requirements:

1. All courses offered in the Theory and Literature of music, with the exception of 305-306.
2. Senior grade of proficiency in any single branch of applied music.
3. Two public recitals, in the junior and senior years, respectively.

In addition, one year of piano is required of those students whose elected branches of applied music are Voice, Violin, or Cello.

This diploma is attainable by students not enrolled in the college.

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.
Requirements for the Bachelor of Music Degree

**General Academic Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101-102</td>
<td>6</td>
</tr>
<tr>
<td>French or German</td>
<td></td>
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</tbody>
</table>

**Musical Requirements**

1. **In the theory**
   - 101-102: Piano 4, Recital 2, Choir 2
   - 201-202: Piano 4, Recital 2, Choir 2

2. **In applied music**
   - (a) For Piano: Piano 4, Recital 2, Choir 2
   - (b) For Organ: Organ 4, Recital 2, Choir 2
   - (c) For Voice: Voice 4, Piano 2, Choir 2
   - (d) For Violin: Violin 4, Piano 2, Band 2

3. **In Music Education**
   - (a) For Piano: Music Education 405-406
   - (b) For Organ: Music Education 465-466
   - (c) For Voice: Music Education 465-466
   - (d) For Violin: Music Education 467-468

**Certificate in Piano Normal.**—This certificate is obtainable on completion of the following requirements:

1. All courses in the Theory and Literature of music, required for a College major.
2. Senior grade of proficiency in Piano.

This certificate is attainable by students not enrolled in the College.

For complete list of subjects offered at the Conservatory see pages 72-73.
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 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.


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 a series of concerts, membership in the Schubert Club of St. Paul and the Thursday Musicale of Minneapolis is open to students, and there are frequent 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. 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 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.

Schedule of Tuition and Other Fees:

In the Theory and Literature of Music, all courses, by credit hour.......................... $6.00

In all branches of Applied Music, except courses 105-106, 107-108, 311-312. According to Instructor

In Music Education, courses 405-406, by credit hour........ $ 6.00

Junior Certificate courses in Piano:
   Class instruction, by the semester.......................... 13.50
   Private instruction, by the semester.......................... 22.50
   Practice room rental, one hour daily, by the semester...... 8.00
   Organ rental, by the hour.................................... .40
   Conservatory graduation..................................... 5.00

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

Conferred by Macalester College

       D. D. to Rev. George W. Davis, Ph. D. ..........Deceased

       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


       LL. D. to Hon. James Jerome Hill ..........Deceased


1918:  D. D. to Rev. Asa John Ferry ..................Wichita, Kansas
        D. D. to Rev. T. Ross Paden ..................Deceased
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.
        D. D. to Rev. David A. Thompson ..............Deceased
1925:  D. D. to Rev. Frank Harvey Throop ..........Columbus, O.
        D. Sc. to Prof. R. U. Jones .................St. Paul, Minn.
1932:  LL. D. to George D. Dayton ................Minneapolis, Minn.
1933:  LL. D. to Rev. Barclay Acheson .............New York City
1934:  LL. D. to George Rowland Collins ..........New York City
        D. D. to Rev. Reginald Coleman ...............Austin, Minn.
Roll of Students

Senior Class

William Adam .................................................. Minneapolis, Minn.
Emil Dana Almquist ........................................... Madelia, Minn.
Carl Edward Bahmeier, Jr. ................................. Minneapolis, Minn.
Geraldine Boyden Bailey .................................. Aladdin, Wyo.
Edward Arrowood Beckstrand ............................. Redwood Falls, Minn.
June Adelaide Benson ....................................... St. Paul, Minn.
Elsie Martina Bergan ........................................ Williams, Minn.
Lorraine Ann Bergin .......................................... Minneapolis, Minn.
Carol Avis Bergstedt ......................................... Eveleth, Minn.
Mary McKenzie Brack ........................................ St. Paul, Minn.
Ermalee Jessie Braden ....................................... Wayzata, Minn.
Marian Winifred Bruss ...................................... St. Paul, Minn.
James Milton Butler .......................................... Deerwood, Minn.
John Frank Carey ............................................. Hayfield, Minn.
Walter Edward Clark ......................................... Hopkins, Minn.
Ruth Elsa Colberg ............................................ St. Paul, Minn.
Raymond Otto Didlo ........................................... St. Joseph, Missouri
Mortimer Adolph Dittenhofer ............................. St. Paul, Minn.
Donald Shugart Dreher ....................................... Owatonna, Minn.
Wyllie Deene Eastman ........................................ St. Paul, Minn.
Blanche Elemine Erlandson ................................. Hettinger, No. Dak.
Edythe Lucille Farnham ..................................... St. Paul, Minn.
Melvin Farrington ............................................. Rosholt, So. Dak.
Katherine Louisa Flad ....................................... St. Paul, Minn.
Anna Theresa Frey ........................................... St. Paul, Minn.
Raymond Schaefer Frommer ................................. St. Paul, Minn.
Julia Marie Green ............................................. Duluth, Minn.
Harriet Stella Gregory ....................................... St. Paul, Minn.
Andrew Gordon Groen ........................................ Chatfield, Minn.
John Kolben Grotting ........................................ Minneapolis, Minn.
Dorothy Reed Hart ........................................... Pipestone, Minn.
John Roger Haserick .......................................... Minneapolis, Minn.
H. Harrison Hemenway ....................................... Minneapolis, Minn.
Elynor Bertha Pauline Heuer .............................. St. Paul, Minn.
Marie Elizabeth Hill .......................................... Duluth, Minn.
Ardythe Margaret Hjort ..................................... Albert Lea, Minn.
Mary Beryl Huber .............................................. Owatonna, Minn.
Virginia Ann Hunter .......................................... Minneapolis, Minn.
Sara Catherine Hyre .......................................... Minneapolis, Minn.
Gordon Sloan Jaeck ........................................... Minneapolis, Minn.
Mary Alice Jenkins ........................................... St. Paul, Minn.
Juliette Eleanor Jerabek ..................................... Silver Lake, Minn.
Cleo Dolores Johnson ......................................... Grand Rapids, Minn.
Dorothy Gail Johnson ......................................... St. Paul, Minn.
Julia Elizabeth Kagan ........................................ St. Paul, Minn.
Eleanor Kellner ................................................ So. St. Paul, Minn.
Arthur Knut Kelsen .......................................... St. Paul, Minn.
Willis George Kunz ........................................... St. Paul, Minn.
Ward Ralph Lamb ........................................ St. Paul, Minn.
Elizabeth Townsend Lang ................................. St. Paul, Minn.
Oliver Ardell Look ........................................ St. Paul, Minn.
Edmund Russell Lynn ..................................... Granite City, Ill.
Eckoe Maes ................................................ Redwood Falls, Minn.
Eva Lorraine Martz ........................................ Le Roy, Minn.
John Wellman Milsten ..................................... Belfield, No. Dak.
Helen Grace Minx .......................................... St. Paul, Minn.
Robert Carl Molkenbur .................................... St. Paul, Minn.
Sue Alice Momsen .......................................... St. Paul Park, Minn.
Paul William Moore ........................................ Minneapolis, Minn.
Helen Belle Morse ......................................... Mankato, Minn.
Ian Alastair Morton ........................................ St. Paul, Minn.
Edmund Mottershead ....................................... St. Paul, Minn.
Dorothy Margaret Mueller ................................ Minneapolis, Minn.
Harold Lowell Mueller ..................................... Hayfield, Minn.
Carleton Alexander Nelson ............................... Chippewa Falls, Wis.
Clifford Charles Noble ..................................... Gilbert, Minn.
Emil Theodore Norberg ..................................... Minneapolis, Minn.
Audrey Grace Peck .......................................... St. Paul, Minn.
Hilding Gunnar Peterson ................................... St. Paul, Minn.
Lucille Grace Peterson ..................................... St. Paul, Minn.
Robert Harold Peterson ................................... Crookston, Minn.
Evelyn Irene Phillips ....................................... So. St. Paul, Minn.
Malcolm Graham Powrie .................................... St. Paul, Minn.
Martha Margot Rathjens .................................... Salt Lake City, Utah
Margaret Lillian Reifel ................................... Eveleth, Minn.
Jean Boal Reynolds ......................................... Minneapolis, Minn.
James McClellan Richards ................................. Minneapolis, Minn.
Erle Frederick Rounds ..................................... Eau Claire, Wis.
Audrey Virginia Rude ....................................... St. Paul, Minn.
Arthur Swasey Rusterholz ................................ St. Paul, Minn.
Irvin Willmar Schmidt ..................................... Swanville, Minn.
Josephine Emily Setterberg ............................... Slayton, Minn.
Bernhoff Riske Skogmo ..................................... Clark, So. Dak.
Harold Milo Smith .......................................... Alexandria, Minn.
Marian De Ette Sorenson .................................. Duluth, Minn.
Antoinette Marguerite Stalley ............................ St. Paul, Minn.
Stanley Paul Stone ......................................... St. Paul, Minn.
Clarence Herman Toensing ................................ St. Paul, Minn.
Elizabeth Gertrude Tucker ................................. St. Paul, Minn.
Helen Margaret Waits ..................................... St. Paul, Minn.
Vern Samuel Waters ........................................ St. Paul, Minn.
Florence Delpha Watson ................................... Red Wing, Minn.
Ruth Margaret Wilhelm ..................................... St. Paul, Minn.
Park Wittenberger ......................................... St. Paul, Minn.
Wilbur Donald Wood ....................................... Mankato, Minn.
Jean Gordon Wooley ......................................... St. Paul, Minn.
Martha Anna Yukl .......................................... Holdingford, Minn.
Junior Class

Dorothy Jean Anderson ........................................ St. Paul, Minn.
Gordon Leonard Axelson ....................................... St. Paul, Minn.
Leila Ruth Barstow ........................................... Sandstone, Minn.
Beverly Leone Batzer .......................................... Morristown, So. Dak.
Gladys Wells Beach ............................................ St. Paul, Minn.
La Reine Beavens .............................................. St. Paul, Minn.
James Hunt Bell ................................................ St. Paul, Minn.
Bernard Carl Bengtson ........................................... Cokato, Minn.
Marjorie Mae Bond ............................................. St. Paul, Minn.
Winifred Gustava Boyce ....................................... Cokato, Minn.
Myron Stewart Brathovde ..................................... Reynolds, N. Dak.
Kenneth A. Breckner ........................................... Minneapolis, Minn.
Bernadine Louise Brown ....................................... St. Paul, Minn.
Stuart Alexander Brown ...................................... Windom, Minn.
Frances Luella Browne ......................................... St. Paul, Minn.
Eveline Jane Callender ........................................ New Richland, Minn.
Stanley Paul Nyholm Carlson ................................ Cokato, Minn.
Harold Edmund Chase ......................................... Minneapolis, Minn.
Ruth Alice Christensen ........................................ Minneapolis, Minn.
Helen May Clark ................................................ St. Paul, Minn.
Marian Loraine Closer ......................................... Pine Island, Minn.
Frank Arthur Cox ................................................ St. Paul, Minn.
Marvin Smith Cummings ........................................ Beaver Creek, Minn.
Alice Jackson Cunliffe ......................................... Effie, Minn.
Dorothy Anna Danielson ....................................... Amery, Wis.
Barbara Elizabeth Detweller ................................ Evanston, Ill.
Barbara Lee Durkee ........................................... Winnebago, Minn.
Carol Leona Eastwold .......................................... Le Roy, Minn.
Svea Edstrom .................................................... Effie, Minn.
Lloyd Gideon Edwards ......................................... St. Paul, Minn.
Dorothy Helen Eginton ......................................... St. Paul, Minn.
Dorothy Erickson ................................................ Duluth, Minn.
Robert Bruce Erskine .......................................... Grand Rapids, Minn.
Van Russell Ferrell ............................................. Cokato, Minn.
Jane Margaret Fleckenstein .................................. St. Paul, Minn.
Edward Milford Forus .......................................... Minneapolis, Minn.
Ruth Emma-Marie Fritz ......................................... St. Paul, Minn.
Charles Frederick Fulcomer .................................. Alpha, Minn.
William Rigg Griffin .......................................... West Concord, Minn.
Robert Frederic Halladay ..................................... Minneapolis, Minn.
Helen Gertrude Hanford ....................................... Duluth, Minn.
Albert Norman Hanson ......................................... Staples, Minn.
Howard Harris ................................................... St. Paul, Minn.
Cleaveland Haverstock ......................................... Minneapolis, Minn.
Marjorie Christine Hedtke .................................... Minneapolis, Minn.
Ernie Eugene Helquist .......................................... Thief River Falls, Minn.
Ardis Hillman ................................................... St. Paul, Minn.
H. Grant Hobart ................................................ Alexandria, Minn.
Howard Homer Holton ......................................... St. Paul, Minn.
Newell Willard Howe ........................................... St. Paul, Minn.
<table>
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<tr>
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<tr>
<td>Florene Edith Hubmer</td>
<td>St. Clair, Minn.</td>
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<td>Eugene Clarke Huebener</td>
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<td>Kathryn Rebecca Jackson</td>
<td>Dawson, Minn.</td>
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<td>Glenn Comyn Johnson</td>
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<td>Karl Wilburt Koch</td>
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<td>William Bernard Korstad</td>
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<td>Dwight Larson</td>
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<td>Nona Linn Osburn</td>
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<td>Merton James Parks</td>
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<td>Knox Robertson</td>
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<td>Edwin Joseph Rose</td>
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<td>Dorothy Madelyn Schroeder</td>
<td>Madison, So. Dak.</td>
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<td>Lola Eda Schuelter</td>
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<td>Thomas Bernard Shetka</td>
<td>St. Paul, Minn.</td>
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<td>Eleanor Mae Siegler</td>
<td>Duluth, Minn.</td>
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FIFTY-SECOND ANNUAL CATALOG

George Francis Stedman Ellsworth, Wis.
Donald Carl Stenberg Minneapolis, Minn.
Daynor N. Tharalson Litchfield, Minn.
Linnea Thorsell Minneapolis, Minn.
Gordon Melby Torgerson St. Paul, Minn.
Margery Virginia Trickey St. Paul, Minn.
Dean Bartlett Tripp Hettinger, No. Dak.
Robert Earl Tucker Minneapolis, Minn.
Maxon Sherwin Tyler St. Paul, Minn.
Harvey Carleton Voris Litchfield, Minn.
Henrietta Louise Wahlers St. Paul, Minn.
Margarete Helene Wahlers St. Paul, Minn.
Jacques Wright Wesson Alexandria, Minn.
Gordon Hartwick West Morgan, Minn.
Josephine Louise Wetteland St. Paul, Minn.
Russell Ambrose Wetzel Robbinsdale, Minn.
Jean Barbara Whitcher Farmington, Minn.
Francis Marion Whittaker Minneapolis, Minn.
Mary Louise Woolsey Miles City, Mont.

Sophomore Class

Stephen Bartholomaws Achter Glenwood, Minn.
Margaret Baarsch Adams Bird Island, Minn.
Arthur Harold Allen St. Paul, Minn.
Kenneth Martin Allen St. Paul, Minn.
Ola Eugenia Allen St. Paul, Minn.
Ramona Leigh Allen Ellsworth, Ohio
Adele Elizabeth Almquist St. Paul, Minn.
John Charles Alpern St. Paul, Minn.
Harlan Garnet Anderson St. Paul, Minn.
Vanner Fred Anderson, Jr Minneapolis, Minn.
Julian Orton Asp Milan, Minn.
Isabel Bertha Auferheide Lamberton, Minn.
Olive Henrietta Aulie Canby, Minn.
Warren Wright Bacon St. Paul, Minn.
Mona Margaret Baird St. Paul, Minn.
Muriel Elaine Baker Rib Lake, Wis.
Burdelle Ardis Beckstrand Redwood Falls, Minn.
Alice Helene Benn Sanish, No. Dak.
Morris Vernon Benson St. Paul, Minn.
Everett Rollin Bergstrom Minneapolis, Minn.
Lois Jeanne Beynon Minneapolis, Minn.
John Blekkink St. Paul, Minn.
Henry James Blom St. Paul, Minn.
Charlotte Miriam Bradley St. Paul, Minn.
James Allen Brandt Montevideo, Minn.
Margaret Esther Brathovde Reynolds, No. Dak.
Arvid Robert Brinkman St. Paul, Minn.
Phyllis Henrietta Brinks St. Paul, Minn.
Robert Staples Brown Willernie, Minn.
Otto Lorenz Bruss St. Paul, Minn.
<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
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<tbody>
<tr>
<td>John Ellsworth Bushnell</td>
<td>St. Paul, Minn.</td>
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<tr>
<td>Jean Nellie Carey</td>
<td>Hayfield, Minn.</td>
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<tr>
<td>Ann Victoria Carlson</td>
<td>St. Paul, Minn.</td>
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<td>Eugene Thomas Champlin</td>
<td>Vernon Center, Minn.</td>
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<td>Mary Champlin</td>
<td>Lake Crystal, Minn.</td>
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<td>Claude Sharretts Clutz</td>
<td>Bendena, Kansas</td>
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<tr>
<td>Rosamond Collier</td>
<td>St. Paul, Minn.</td>
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<td>Josephine Frances Crowern</td>
<td>No. St. Paul, Minn.</td>
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<td>Henry Arno Daum</td>
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<td>Thayer Clinton Davis</td>
<td>Wadena, Minn.</td>
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<td>Kathryn Ann Determan</td>
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<td>Ella Ramona Eastwold</td>
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<td>Marion Charlotte Ekholm</td>
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<td>Carol Jean Elholm</td>
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<td>Isabel Elinor Erlanson</td>
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<td>Richard LeRoy Feinberg</td>
<td>St. Paul, Minn.</td>
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<td>Elizabeth Jeanice Fields</td>
<td>Minot, No. Dak.</td>
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<td>Vernona Theresa Fish</td>
<td>Jeffers, Minn.</td>
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<td>Carol Helen Fosnes</td>
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<td>George Burton Freidmann</td>
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<td>Herbert Leland Gardner</td>
<td>Minneapolis, Minn.</td>
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<td>Robert Nathaniel Gardner</td>
<td>St. Paul, Minn.</td>
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<td>James Gordon Gilman</td>
<td>Willmar, Minn.</td>
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<td>Henry Carlson Goff</td>
<td>Mankato, Minn.</td>
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<td>Margaret A. Grau</td>
<td>St. Paul, Minn.</td>
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<td>Marjory Hazel Gregory</td>
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<td>James William Griffith</td>
<td>Minneapolis, Minn.</td>
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<td>Virginia Ethelynn Guild</td>
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<td>James Wallace Hall</td>
<td>Albuquerque, New Mex.</td>
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<td>Carl Alfred Halverson, Jr.</td>
<td>Revere, Minn.</td>
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<td>Charlotte Marie Hansen</td>
<td>Duluth, Minn.</td>
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<td>Carolyn Wilma Henning</td>
<td>St. Paul, Minn.</td>
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<td>Betty Lou Hoeppner</td>
<td>Payneville, Minn.</td>
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<td>Genevieve Holland</td>
<td>St. Paul, Minn.</td>
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<td>John Dinehart Holt</td>
<td>Slayton, Minn.</td>
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<td>Allene Elizabeth Howard</td>
<td>Wheaton, Minn.</td>
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<td>Evelyn Frances Hoye</td>
<td>St. Paul, Minn.</td>
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<td>William Fabian Hunt</td>
<td>St. Paul, Minn.</td>
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<td>Alden Taro Ikeda</td>
<td>St. Paul, Minn.</td>
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<td>Frederick Henry Jacob</td>
<td>Lake City, Minn.</td>
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<td>Betty Herbst Jahreiss</td>
<td>Owatonna, Minn.</td>
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<td>Shirley Winifred James</td>
<td>Willmar, Minn.</td>
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<td>Richard Harris Janssen</td>
<td>St. Paul, Minn.</td>
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<td>Helen Maude Jensen</td>
<td>Little Falls, Minn.</td>
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<td>Marlin Foster Jeppeson</td>
<td>Garden City, Minn.</td>
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<td>Albert Carl Johnson</td>
<td>St. Paul, Minn.</td>
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<td>Victor Rudolph Johnson</td>
<td>Avoca, Minn.</td>
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<td>Roy Frederick Kern</td>
<td>Lewiston, Minn.</td>
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<td>Evelyn Mae Killian</td>
<td>Jordan, Minn.</td>
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<td>Ruth Margaret Kircher</td>
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<td>Harriett Koberstein</td>
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</tbody>
</table>
Edwin Elmer Koepke ........................................ Elmore, Minn.
Harold Henry Krinke ........................................ Lamberton, Minn.
Mary Ellen Krug ............................................ Seattle, Wash.
Blair Rupert Lampert ........................................ St. Paul, Minn.
Eva Lucellia Lee ............................................. St. Paul, Minn.
Lewis Edmund Lilyquist .................................... Lisbon, No. Dak.
Irma Fern Logan ............................................. Bismarck, No. Dak.
Richard William Luecke .................................... St. Paul, Minn.
Harry Luitjens .............................................. Raymond, Minn.
Eudora Annette Lundblad ................................... St. Paul, Minn.
Ruth Virginia Lundrigan .................................. Cass Lake, Minn.
Vernon Walter McCallum ................................... Parkers Prairie, Minn.
Keith McKay .................................................. Redwood Falls, Minn.
Lloyd Edgar MacMurchy ..................................... St. Paul, Minn.
Geneva Grace Macomber ..................................... St. Clair, Minn.
Herbert Niedringhaus Mahle ................................ St. Paul, Minn.
Robert Willis Malmquist ................................... Rushmore, Minn.
John William Marben ....................................... Lamberton, Minn.
Stanley Gordon Markusen .................................. St. Paul, Minn.
Dorothy Ann Marron ......................................... St. Paul, Minn.
Dorothy Craik Middlemas ................................... St. Paul, Minn.
Norris Richard Mikkelson .................................. St. Paul, Minn.
William Bell Mitchell ....................................... Bemidji, Minn.
Margaret Alice Montgomery ................................ Vesta, Minn.
Donald George Mystrom ..................................... Minneapolis, Minn.
John Frederick Neander ..................................... St. Paul, Minn.
Lorraine Ann Nelsen ......................................... St. Paul, Minn.
Loren James Nelson ......................................... Shevlin, Minn.
Arvid Alfred Nielson ........................................ Minneapolis, Minn.
Earl Noble .................................................... Gilbert, Minn.
Phyllis Barbara Noltimier ................................ St. Paul, Minn.
Richard Carl Norberg ....................................... St. Paul, Minn.
Frank L. Noyes .............................................. Starbucks, Minn.
Dorothy Rose Nyquist ....................................... St. Paul, Minn.
Elizabeth Jane Oas .......................................... Minneapolis, Minn.
Robert Harry Olander ....................................... St. Paul, Minn.
David Whittlesey Olds ...................................... St. Cloud, Minn.
Daniel Eugene Ostergren ................................... St. Paul, Minn.
Grant Richard Oswald ....................................... New Ulm, Minn.
Roberta Jane Otis ............................................ St. Paul, Minn.
Harold Lewis Otterstrom .................................. Austin, Minn.
Harriet Ann Pankhurst ..................................... Duluth, Minn.
Robert Bruce Patterson ..................................... Brainerd, Minn.
Randall Stewart Pemberton ................................ Blue Earth, Minn.
George Peters ................................................ Clara City, Minn.
Willard Everett Peterson ................................ Minneapolis, Minn.
Herman Albert Petzold ...................................... St. Paul, Minn.
Carleton Pope ................................................ St. Paul, Minn.
Lila Mae Porter .............................................. St. Paul, Minn.
Lowell Stanton Reeve ....................................... Windom, Minn.
Hugh Clifton Reichard ....................................... Minneapolis, Minn.
Winifred Anne Reichle ........................................ St. Paul, Minn.
James George Rogers ........................................ St. Paul, Minn.
Roger Irving Sanford ....................................... Minneapolis, Minn.
Valorie Ann Schulze ........................................ St. Paul, Minn.
Kingman George Seiler ...................................... Red Wing, Minn.
Jack Frederick Sjoholm ...................................... St. Paul, Minn.
Duncan Eliot Slade ........................................... Chicago, Ill.
Wilma Smith ................................................... Duluth, Minn.
Alice May Bernice Solum .................................... St. Paul, Minn.
Emma Lorraine Stegner ...................................... St. Paul, Minn.
Marcus Gordon Stohl .......................................... St. Paul, Minn.
June Beverly Storberg ....................................... St. Paul, Minn.
Jean Elaine Sture ............................................ St. Paul, Minn.
Ruth Naomi Sutton ........................................... St. Paul, Minn.
Mary Edna Swanberg ......................................... St. Paul, Minn.
Milton William Swanson ..................................... St. Paul, Minn.
Stephen Meyers Sweetland ................................... Wichita, Kansas
Andrus Eugene Thompson .................................... Minneapolis, Minn.
David Lucius Thompson ...................................... Garden City, Minn.
Douglas Henry Thrall ........................................ Winneconne, Wis.
June Ina Hope Torrison ..................................... Minneapolis, Minn.
Frances Tripp .................................................. Minneapolis, Minn.
Margaret Pauline Turner .................................... Duluth, Minn.
Shirley Jean Vermilya ........................................ St. Paul, Minn.
George Voorhis ................................................ Staples, Minn.
Ove Mons Wangensteen ...................................... St. Paul, Minn.
Raymond John Warner ........................................ Graceville, Minn.
Eleanor Marion Westen ....................................... St. Paul, Minn.
Lola Williams .................................................. St. Paul, Minn.
Marjorie Alleen Wilson ...................................... Moorhead, Minn.
Jean Elizabeth Woodward ................................... St. Paul Park, Minn.
Vadis Elizabeth Woolsey ..................................... Shakopee, Minn.
Dorothy Mae Woskie .......................................... St. Paul, Minn.
Vernon Charles Wright ....................................... St. Paul, Minn.
Marjorie Helen Woskie ....................................... Owatonna, Minn.
Inez Ann Ziska ................................................ St. Paul, Minn.

Freshman Class

Ebba Louise Aberle .......................................... Wabasha, Minn.
Mary Katherine Allen ......................................... Ellsworth, Ohio
Mary Margery Allen .......................................... Hysham, Montana
Robert Curtis Alm ............................................ St. Paul, Minn.
Dale Potter Anderson ........................................ Faribault, Minn.
Douglas Clayton Anderson ................................ Minneapolis, Minn.
Lewis Emmanuel Anderson ................................ Litchfield, Minn.
Richard Robert Anderson ................................ Minneapolis, Minn.
Roger Banks Anderson ....................................... Marshall, Minn.
Phyllis Mary Angell ........................................ St. Paul, Minn.
Gustave Herman Apitz ........................................ Henderson, Minn.
George Joseph Arnold ........................................ Warroad, Minn.
Helen Elizabeth Balmer ...................................... Pipestone, Minn.
Lester Bernard Barr .............................................. Minneapolis, Minn.
Virginia Hamilton Barwise ...................................... St. Paul, Minn.
John Ward Beebe ..................................................... St. Paul, Minn.
Frank Arthur Beil .................................................. Sleepy Eye, Minn.
Arthur Edwin Bell .................................................... St. Paul, Minn.
Kenneth Adrian Berg ........................................... Grand Meadow, Minn.
William James Bergh ............................................. St. Paul, Minn.
Robert Reid Berglund ............................................. Warroad, Minn.
Jeanne Elizabeth Beulke .......................................... St. Paul, Minn.
Frank Arthur Birch .................................................. St. Paul, Minn.
Herman Fabian Bloom .............................................. Minneapolis, Minn.
Wilbur Allen Boler .................................................. Anoka, Minn.
John Melville Bolstad .............................................. Staples, Minn.
Ferris Cobb Booth .................................................. St. Paul, Minn.
James Oswald Borsheim ............................................ Cloquet, Minn.
Mary Jean Bowe ..................................................... Farmington, Minn.
Zona Beryl Brandt ................................................ Fulda, Minn.
Marie Henrietta Bremer .......................................... St. Paul, Minn.
Elisabeth Anne Broady .......................................... St. Paul, Minn.
Kenneth Elsworth Bronson ........................................ St. Paul, Minn.
Geraldine Augusta Brown ......................................... Minneapolis, Minn.
Gordon Furn Brown ................................................ No. St. Paul, Minn.
Max Holland Buchanan ............................................. Huron, So. Dak.
Harvey Melvin Buol .............................................. Buffalo, Minn.
Robert Douglas Burns ............................................. Albert Lea, Minn.
Edgar Carlyle Burseth ............................................. St. Paul, Minn.
Richard Lincoln Butler ........................................... Staples, Minn.
Carol Emeline Byram ............................................. Pipestone, Minn.
Lester William Carlander ......................................... Minneapolis, Minn.
Paul Benjamin Carlson ........................................... Minneapolis, Minn.
Elizabeth Dundas Clark .......................................... St. Paul, Minn.
Katherine Edith Clark ............................................. Pyeongyang, Korea
Lu Verne Koenig Clark .......................................... St. Paul, Minn.
Marion Louise Clark .............................................. St. Paul, Minn.
Melvin Howard Clark ............................................. Elmore, Minn.
Lawrence Everett Cooper ....................................... Sauk Centre, Minn.
Richard Frederic Cutler .......................................... Minneapolis, Minn.
Ann Cutter .......................................................... Minneapolis, Minn.
Charles Lawrence Daub ........................................... Albert Lea, Minn.
Robert Eugene Davidson ......................................... St. Paul, Minn.
Robert Daniel Davies ........................................... Minneapolis, Minn.
Charles Clay Davis .............................................. Falls City, Nebr.
Audrey Eileen Day ................................................ St. Paul, Minn.
Myrvin Archie De Lapp ........................................... Luverne, Minn.
Vera La Vonne Domrese .......................................... St. Paul, Minn.
Doris Dee Doughty ................................................ Milaca, Minn.
Otto Charles Eisner, Jr. .......................................... Larsen, Wis.
Florence Amelia Ekberg .......................................... St. Paul, Minn.
Norman Kenmore Elliott .......................................... Hyde Park, Mass.
Frederick P. Engfer .............................................. St. Paul, Minn.
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Carole Mae Hopkins .................................................. Minneapolis, Minn.
John Emerson Horner .................................................. Minneapolis, Minn.
Mary Elizabeth Horner ............................................... Minneapolis, Minn.
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Mildred Ruth Hughes ................................................ Minneapolis, Minn.
Lloyd Martin Huisinger .............................................. Minneapolis, Minn.
Loraine Evelyn Hulett ............................................... Mandan, No. Dak.
Roswell Philip Ingram, Jr ......................................... St. Paul, Minn.
John Wallace Jacobs ................................................ Willmar, Minn.
Vivian Marie Jacobs .................................................. Grand Rapids, Minn.
Fern Wealthia Jacobson ............................................. Minneapolis, Minn.
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Robert Jenckes .......................................................... St. Paul, Minn.
Vernice Avon Jennings .............................................. Morton, Minn.
Loren Robert Jestus .................................................. Howard Lake, Minn.
Richard Ludvig Johansen ........................................... Edinburg, No. Dak.
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Douglas Marvin Johnson ............................................. Dawson, Minn.
Ernest Wilbert Johnson ............................................. St. Paul, Minn.
Hazel Muriel Johnson ................................................ Center City, Minn.
Helen Mae Johnson .................................................... Minneapolis, Minn.
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Robert Marion Jones ................................................ Fulda, Minn.
June Camille Josephson ............................................. St. Paul, Minn.
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Betty Ann Kanevsky .................................................. St. Paul, Minn.
Jack Kaster ............................................................. So. St. Paul, Minn.
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Alfred Shane Kingston ............................................... Superior, Wis.
Robert Emmet Knapton .............................................. St. Paul, Minn.
Vivian Althea Kocher ................................................ So. St. Paul, Minn.
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Irene Mae Krosch ..................................................... Blue Earth, Minn.
Shirley P. Lachman .................................................. St. Paul, Minn.
Shirley Rebecca Lamb ................................................. Little Falls, Minn.
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Sumner Gordon Lind .................................................. St. Paul, Minn.
Thomas Coville Lind ........................................ Minneapolis, Minn.
Louis Lane Lipshultz ........................................ St. Paul, Minn.
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Allan Fleming Livers ........................................ St. Paul, Minn.
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Elizabeth Lowrie ............................................. Brainerd, Minn.
Orville Herman Luers ........................................ Minneapolis, Minn.
Robert Lewis Lund ........................................... Winneconne, Wis.
Laura Alice Lundberg ......................................... St. Paul, Minn.
Mildred Frances Lunder ....................................... Minneapolis, Minn.
Valerie Margaret Lyons ....................................... St. Paul, Minn.
Phyllis McFarland ........................................... Carlton, Minn.
Lloyd Grant Manley ........................................... St. Paul, Minn.
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Monte Arne Mason ............................................ Minneapolis, Minn.
Charlotte Hannah Mattson .................................... St. Paul, Minn.
Philip Roland Mayer .......................................... Minneapolis, Minn.
Myron Eugene Meckel .......................................... So. St. Paul, Minn.
Frances William Megarry .................................... Bain, Minn.
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Helen Janette Nelson ......................................... Albert Lea, Minn.
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George Francis Noland ....................................... Minneapolis, Minn.
Alysmae Nordstrom ........................................... Litchfield, Minn.
Jane Marie Northfoss ......................................... Minneapolis, Minn.
Allan James Nuszloch ........................................ Lewiston, Minn.
Milton Van Evera Oakley ..................................... Buffalo, Minn.
Glenn El Rose Oden ........................................... St. Paul, Minn.
William Gilbert O'Grady ..................................... Minneapolis, Minn.
Ingrid Blanche Olsen ......................................... St. Paul, Minn.
Betty O'Rourke ................................................ Minneapolis, Minn.
Katherine Osborn ............................................. Edgerton, Wis.
Henry Daniel O'Shea .......................................... Minneapolis, Minn.
Helen Margot Page ........................................... So. St. Paul, Minn.
Jeanette Papostolou .......................................... Brainerd, Minn.
Geraldine Parker .............................................. Fairmont, Minn.
George Paterson .............................................. Minneapolis, Minn.
William Richard Pearson .................................... Willmar, Minn.
Grace Ellen Peck ............................................. Elkton, So. Dak.
Blair Edward Pederson ....................................... Minneapolis, Minn.
Rockford Pencille .................................................. West Concord, Minn.
Janet Southland Perkins ........................................... Crosby, Minn.
Harry Vincent Peterson ........................................... Forest Lake, Minn.
Thomas Orrin Phelps ............................................. Litchfield, Minn.
Ralph Hodgdon Pinney ............................................. St. Paul, Minn.
Joyce Prall ...................................................... Minneapolis, Minn.
Margaret Frances Primrose ........................................ St. Paul, Minn.
Gregg B. Rains ..................................................... Minneapolis, Minn.
Audrey Pearl Ramlow ............................................. St. Paul, Minn.
John Ben Randolph ................................................ Minneapolis, Minn.
Dana Records ..................................................... Minneapolis, Minn.
Doris Mae Remple .................................................. Lakeville, Minn.
Dorothy Jean Robbins ............................................. St. Paul, Minn.
Doris Mae Roberts ................................................ St. Paul, Minn.
Lois Jeanne Robinson ............................................. St. Paul, Minn.
George William Rodenberg ......................................... St. Paul, Minn.
Eleanor Virginia Rohrbacher ....................................... St. Paul, Minn.
David Roskilly ..................................................... Minneapolis, Minn.
Vernon Roth .......................................................... Lamberton, Minn.
Evelyn Dorothy Sargent .......................................... Red Wing, Minn.
Robert Walter Sawin ............................................. St. Paul, Minn.
Jean Harriet Seeger .............................................. Clear Lake, Minn.
Charles A. Sheldon ............................................... Hutchinson, Minn.
Mary Ernestine Shoemaker ......................................... Helena, Mont.
Linda Alice Sickmann ............................................. Belview, Minn.
Aleene Cornelia Smith ............................................ Blackduck, Minn.
Maryella Smith ..................................................... St. Paul, Minn.
Merrill Kenneth Smith ............................................. Elmore, Minn.
Leo Curtis Stewart ................................................ St. Paul, Minn.
Ruth Marie Stillwell ............................................. St. Paul, Minn.
Rebecca Natalja Stohl ............................................ St. Paul, Minn.
Norma Theresa Stokes ............................................ St. Paul, Minn.
Doris Mae Stoven ................................................ St. Paul, Minn.
Helen Clare Swenson ............................................. St. Paul, Minn.
Helen Mathea Thoen .............................................. Litchfield, Minn.
Mildred May Thom ................................................ St. Paul, Minn.
Elizabeth Lloyd Thornton ......................................... Benson, Minn.
Thomas Blair Thornton ........................................... St. Paul, Minn.
Larry David Throne ................................................ Shakopee, Minn.
Mary Elizabeth Tripp ............................................. Minneapolis, Minn.
Norma Mabel Vancore ............................................. St. Paul, Minn.
John Charles Victor ............................................... Lindstrom, Minn.
Helen Adele Vincent ............................................. Minneapolis, Minn.
Alice Lenore Wall ................................................ St. Paul, Minn.
Francis Alexander Wallace ....................................... St. Paul, Minn.
John Arnold Wallace ............................................. St. Paul, Minn.
Elizabeth Hannah Ward ........................................... Minneapolis, Minn.
Eleanor Marie Warkentien ........................................ St. Paul, Minn.
Hazel Catherine Warricks ....................................... St. Paul, Minn.
Roman Catherine Weide ........................................... St. Paul, Minn.
Olive Tonia Whitcomb ........................................... Bozeman, Montana
Gwendolyn Will ........................................... Mapleton, Minn.
Robert Ferdinand Wille .................................. St. Paul, Minn.
Meribah Lucille Williver ................................ Minneapolis, Minn.
Barbara Wilson ............................................. Montevideo, Minn.
Edwin Ray Winter ........................................... St. Paul, Minn.
Carl Moir Witham .......................................... Minneapolis, Minn.
Grace Wittenberger ......................................... St. Paul, Minn.
Marion Elaine Wooley ....................................... St. Paul, Minn.
Lee Parmon Woolley ........................................ Minneapolis, Minn.
Robert John Zavoral ....................................... St. Paul, Minn.
George Henry Ziegler ..................................... Blue Earth, Minn.
Georgia Ann Zieske ......................................... St. Paul, Minn.
Harold Walter Zimmerman ................................ Bismarck, No. Dak.

Special Students

Mary Jane Atcheson ......................................... St. Paul, Minn.
James Leland Bridges ...................................... Moorhead, Minn.
Katherine Colson ........................................... Wadena, Minn.
Jack Melford Dahl .......................................... Albert Lea, Minn.
M. Louise Dedolph ........................................... St. Paul, Minn.
Margaret Edith Haney ...................................... Duluth, Minn.
Mrs. Adeline Koch Janes .................................. St. Paul, Minn.
Mrs. Florence Simmonds Johnson ......................... St. Paul, Minn.
Mrs. Ruth Koontz .......................................... Minneapolis, Minn.
Reuben Benjamin Meckel .................................. St. Paul, Minn.
Helen A. Stratte ........................................... Minneapolis, Minn.
Helen Marguerite Vick ..................................... St. Paul, Minn.

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