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

SAINT PAUL, MINNESOTA

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College Calendar

Subject to change

Academic Year 1942-1943

1942

Sept. 11-12  Friday-Saturday, Freshman Tests.
Sept. 12-13  Saturday-Sunday, Freshman Camps.
Sept. 14-16  Monday-Wednesday, First Semester Registration.
Sept. 17    Thursday, 8:00 a. m., Classes begin.
Nov. 26-28  Thanksgiving Vacation.
Dec. 18    Friday, 4:50 p. m., Christmas Vacation begins.

1943

Jan. 4    Monday, 8:00 a. m., Christmas Vacation ends.
Jan. 23-30 Saturday-Saturday, First Semester Examinations.
Feb. 1-2  Monday-Tuesday, Second Semester Registration.
Feb. 3    Wednesday, 8:00 a. m., Classes begin.
Feb. 22   Monday, Washington's Birthday.
March 12  Friday, Pi Phi Epsilon Initiation.
March 13  Saturday, 7:00 p. m., Founders' Day Celebration.
April 2   Friday, 4:50 p. m., Spring Vacation begins.
April 12  Monday, 8:00 a. m., Spring Vacation ends.
April 23-25  Friday-Sunday, Easter Recess.
May 31    Monday, Memorial Holiday.
June 5-12 Saturday-Saturday, Second Semester Examinations.
June 7    Monday, Fifty-fourth Annual Commencement.

1942 Summer Session

June 15 — August 8
Macalester College

Board of Trustees

Officers of the Board

F. R. Bigelow .................................................. President
Clark R. Fletcher ........................................... Vice-President
C. V. Smith .................................................... Vice-President
Carl T. Schuneman .......................................... Vice-President
Paul D. Schribber ........................................... Secretary
F. F. Paskewitz ............................................... Treasurer

Terms Expire June, 1942

Barclay Acheson ............................................. New York City
Rev. Wm. J. Bell, D.D. ....................................... Minneapolis
F. R. Bigelow .................................................. St. Paul
Watson P. Davidson .......................................... St. Paul
Dr. Wm. D. Grise ........................................... Austin
Hon. C. L. Hilton ........................................... St. Paul
E. B. Kirk ..................................................... St. Paul
Geo. A. Mairs, Jr. ........................................... St. Paul
F. F. Paskewitz ............................................... St. Paul

Terms Expire June, 1943

Rev. H. H. Baldwin, D.D. ................................... Minneapolis
C. H. Bigelow .................................................. St. Paul
Rev. W. B. Bryan ............................................. Minneapolis
George D. Dayton, II ........................................ Minneapolis
Arthur Bristow Hood ......................................... Rapid City, S. D.
Wm. P. Kirkwood ............................................. St. Paul
Rev. Arnold Hilmar Lowe, D. D. ......................... Minneapolis
C. V. Smith ..................................................... Minneapolis
L. H. Williams ................................................. Minneapolis

Terms Expire June, 1944

George Rowland Collins ................................. New York City
Clark R. Fletcher ........................................... Minneapolis
W. Mell Hobart ............................................... Minneapolis
A. B. Jackson .................................................. St. Paul
Fred Schilplin ................................................ St. Cloud
Paul D. Schribber ........................................... St. Paul
Carl T. Schuneman .......................................... St. Paul
R. M. Weyerhaeuser ......................................... St. Paul
David J. Winton ............................................. Minneapolis

Charles J. Turck, ex-officio
Committees of the Board of Trustees

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David J. Winton, Chairman
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W. B. Bryan

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F. F. Paskewitz

C. H. Bigelow
Carl T. Schuneman
R. M. Weyerhaeuser

Budget and Expenditures
F. F. Paskewitz, Chairman
C. H. Bigelow
Clark R. Fletcher

Geo. A. Mairs, Jr.
R. M. Weyerhaeuser
Charles J. Turck

Annuities
C. V. Smith, Chairman
F. R. Bigelow

Clark R. Fletcher
C. L. Hilton

Commencement
Charles J. Turck, Chairman
H. H. Baldwin

W. P. Kirkwood
A. L. Odell
Administration

Office of the President
Charles Joseph Turck, A. M., LL. B., LL. D., President
Public Relations and News Bureau
Ivan Charles Burg, A. B., Director

Office of the Comptroller
Fernam N. Budolfson, Comptroller

Office of the Dean
Clarence E. Ficken, Ph. D., Dean
Bureau of Admissions
George E. Scotton, A. B., Admissions Counsellor
Bureau of Library
Helen Stratte, A. B., Acting-Librarian
Helen Vick, A. B., B. S., Assistant Librarian
Dorothy Henningsen, S. B., Assistant Librarian

Office of the Registrar
John P. Hall, A. B., Registrar

Office of the Director of Student Personnel Services
Fred A. Replogle, Ph. D., Director of Guidance
Placement Bureau
Fred A. Replogle, Ph. D., Director
Health Service
Roberta V. Gillis, R. N., Director

Office of the Dean of Women
Margaret M. Doty, A. M., Dean of Women

Office of the Conservatory of Music
Carl A. Jensen, A. A. G. O., Hon. T. C. L., Director

Office of Alumni Secretary
John P. Hall, A. B., Acting-Secretary

Rosalie Kollarich, Secretary to the President
Dorothy E. Peterson, Secretary to the Comptroller
Millard Mickelson, Bookkeeper
Erna L. Kaiser, Secretary, Student Financial Affairs
Margaret Hammond, S. B., Secretary to the Deans
Irma Gowans, A. B., Secretary to Admissions Counsellor
Lorraine Stegner, Secretary to the Registrar
Isobel Harding, Secretary to Director of Guidance
Charlotte Graham, House Director, Wallace Hall
Mrs. J. Clark Rhodes, House Director, Kirk Hall
Mildred Toop, Director of Food Service
Norman McRae, Superintendent of Buildings and Grounds
College Faculty

The names in each group are arranged (with exception of the President) on the basis of collegiate seniority.
(The figures in parenthesis indicate the year of beginning service for Macalester College)

CHARLES JOSEPH TURCK
President (1939)
A.B., Tulane University, 1911; A.M., Columbia University, 1912; LL.B., 1913; LL.D., Kentucky Wesleyan College, 1928; Cumberland University, 1930; Tulane University, 1935.

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

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

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

GRACE BEE WHITRIDGE
Professor of Dramatic Art, Emeritus (1900)
Graduate, Boston School of Oratory, 1890; post-graduate, 1891; Graduate, New York Academy of Dramatic Art, 1899; LL.D., Macalester College, 1940.

†RICHARD URIAH JONES
Professor of Chemistry (1901)
A.B., Macalester College, 1901; A.M., University of Wisconsin, 1916; Sc.D., Macalester College, 1926.

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 and Religion (1912)
Ph.B., Grinnell College, 1905; A.M., Harvard University, 1908.

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

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

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

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

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.

KENNETH LEEDS HOLMES
Professor of History (1925)
A.B., Yale University, 1917; A.M., University of Louisville, 1925.

EDWIN KAGIN
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; D.D., Centre College, 1937; D.R.E., Boston University, 1940.

FRANK EARL WARD
Professor of English (1926)
A.B., Oberlin College, 1922; A.M., 1923.

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

CHESTER HINES SHIFLETT
Professor of Chemistry (1929)
A.B., Kingfisher College, 1921; A.M., Clark University, 1923; Ph.D., University of Minnesota, 1933.

FORREST ALBERT YOUNG
Professor of Economics (1929)
S.B., Monmouth College, 1922; A.M., University of Chicago, 1926; Ph.D., State University of Iowa, 1938.

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

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

*Retired
NORMAN FRANK COLEMAN
Visiting Professor of English (1939)
A.B., University of Toronto, 1900; A.M., Harvard, 1906; LL.D., Mills College, 1925; University of Oregon, 1935.

C. SVERRE NORBORG
Visiting Professor of Philosophy (1939)
A.B., Oslo Cathedral School, 1920; M.A., University of Oslo, 1925; Ph.D., 1935.

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

CARL A. JENSEN
Associate Professor of Musical Theory and Organ (1925)

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

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

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

MARION WILLIAM BOGGS
Associate Professor of Political Science (1935)
A.B., University of Missouri, 1931; A.M., 1932; Ph. D., University of Chicago, 1940.

EZRA JOHN CAMP
Associate Professor of Mathematics (1937)
A.B., Goshen College, 1928; S.M., University of Chicago, 1932; Ph.D., 1935.

FRANK GROSE MESERVE
Associate Professor of Biology (1937)
A.B., University of Nebraska, 1921; A.M., Northwestern University, 1928; Ph.D., University of Nebraska, 1935.
MACALESTER COLLEGE

FREDERICK ALLEN REPLOGLE
   Director of Student Personnel Services.
   Associate Professor of Psychology and Education (1938)
   A.B., Manchester College, 1921; A.M., Northwestern University, 1927; Ph.D., University of Chicago, 1936.

GABRIEL FENYVES
   Associate Professor of Piano (1939)
   Educated in Austria; Hon.D.Mus., Boguslawski College of Music, Chicago, 1939; D.Mus., Huron College, 1940.

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

ROYAL ARCHIBALD MOORE
   Acting Associate Professor of Latin (1941)

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.

HOLLIS LOWELL JOHNSON
   Assistant Professor of Music (1932)
   A.B., Macalester College, 1932; Diploma Macalester Conservatory of Music, 1932.

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

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.

GORDON HARRISON
   Assistant Professor of Spanish (1936)
   Ph.B., University of Chicago, 1925; A.M., University of Michigan, 1935; Ph.D., University of Chicago, 1940.
KENNETH ARCHIBALD BROWN
Assistant Professor of Philosophy (1937)
A.B., Carleton College, 1930; A.M., Harvard University, 1932.

RUTH SCHELLBERG
Assistant Professor and Director of Physical Education for women (1938)
S.B., University of Nebraska, 1934; M.A., New York University, 1937.

OLLIE OLSON
Assistant Professor and Athletic Coach (1939)
A.B., Northwestern University, 1934; Ed. M., Boston University, 1936.

JAMES HASTINGS NICHOLS
Assistant Professor of Religion (1940)
A.B., Yale College, 1936; M.A., Harvard, 1937; Ph.D., Yale University, 1941.

ALBERT SYLVANUS NICHOLS
Assistant Professor of Psychology (1941)
B.A., Otterbein College, 1921; M.A., University of Illinois, 1927; Ph.D., University of Chicago, 1941.

JOHN HOWE SCOTT
Assistant Professor of Chemistry (1941)
A.B., Clark University, 1930; M.S., State University of Iowa, 1931; Ph.D., State University of Iowa, 1933.

HERBERT JOHN WOOD
Assistant Professor of History (1941)
B.A., Hastings College, 1927; M.A., University of Wisconsin, 1934; Ph.D., University of Wisconsin, 1938.

HERMAN ALBERT PETZOLD
Instructor in Speech (1939)
A.B., Macalester College, 1939.

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

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

MARGARET BAARSCH ADAMS
Instructor in English (1940)
A.B., Macalester College, 1940.
THEODORE GUNther MITAU  
_Instructor in German_ (1940)  
A.B., Macalester College, 1940; M.A., University of Minnesota, 1942.

NORRIS TAYLOR PRITCHARD  
_Instructor in Economics_ (1940)  
A.B., Iowa State Teachers College, 1939; A.M., State University of Iowa, 1940.

MRS. HELEN TRIEGLAFF KRINKIE  
_Instructor in Art History_ (1940)  
A.B., Carleton College, 1936; A.M., University of Minnesota, 1938.

MARY de BESSE MacDONALD  
_Instructor in Spanish_ (1941)  
B.A., University of Minnesota, 1930; M.A., University of Minnesota, 1931.

BURTON PAULU  
_Instructor in Radio Appreciation_ (1941)  
B.A., University of Minnesota, 1931; B.S., University of Minnesota, 1932; M.A., University of Minnesota, 1934.

MRS. MARIE ODEGARD WISE  
_Instructor in Physical Education_ (1941)  
B.S., University of Wisconsin, 1939.

FRANTIŠEK WOLF  
_Instructor in Mathematics_ (1941)  
R.N.D., Masaryk University, Czechoslovakia, 1928.

IRA HUGO JOHNSON  
_Instructor in Mechanical Drawing_ (1942)  
A.B., Mankato State Teachers College, 1938; M.A., Iowa State College, 1940.

THEOPHIL ERNEST PAYNE RUSTERHOLZ  
_Instructor in Economics_ (1942)  
A.B., Macalester College, 1929; LL.B., University of Minnesota, 1940.

FRANKLIN NEFF  
_Instructor in Economics_ (1942)  
A.B., University of Washington, 1941.

RICHARD LUDVIG JOHANSEN  
_Fellow in Speech_ (1940)  
A.B., Macalester College, 1940.
HOWARD EDWIN GUSTAFSON
Assistant in Biology Laboratory (1937)
A.B., Macalester College, 1937.

HELEN ESTHER HARRIS
Assistant in Biology Laboratory (1938)
A.B., Macalester College, 1934; A.M., University of Minnesota, 1938.

NORMAN KENMORE ELLIOTT
Assistant to Director of Personnel Services (1940)
A.B., Macalester College, 1940; M.A., University of Minnesota, 1941.

JEFFREY D. FRAUTSCHY
Assistant in Geology and Physics (1941)
A.B., University of Minnesota, 1942.

ESTHER MAY GREEN
Fellow in English (1941)
A.B., Macalester College, 1941.

PHYLLIS LUCILLE JEDDELOH
Fellow in English (1941)
A.B., Macalester College, 1941.

EDITH MAE LANGLEY
Fellow in English (1941)
A.B., Macalester College, 1941.

GEORGE ROBERT LEESON WAITE
Fellow in History (1941)
A.B., Macalester College, 1941.

For discussion of curricular problems, members of departments meet in informal conferences according to the following groupings:

I. The Humanities: English, Greek, Latin, French, German, Spanish, Art, Music, Speech, History, Philosophy, Religion.


III. The Natural Sciences and Mathematics: Biology, Chemistry, Physics, Geology, Mathematics. Philosophy and Religion (consultative).

IV. Physical Education.
Committees of the Faculty, 1942-1943
(The first named in each instance is chairman)

Advisory Council: Ficken, Boggs, Bradley, Camp, Cornell.
Athletics: Hastings, Alexander, Clark, Johnson, Olson, Primrose.
Cabinet: Turck, Doty, Ficken, Hall, Johnson, Kagin, Meserve, A. S. Nichols, Sundheim.
Catalog: Hall, Burg, Cornell.
Chapel and Convocation: Turck, Kagin, McLean, Owen.
College Functions: Owen, Doty, Hall, Jensen, Schellberg, Stratte, Walter.
Placement: Replogle, Bradley, Kagin, Koontz, Young.
Social Affairs: Doty, Cornell, Krinkie, McLean, Primrose, Schellberg.
Student Exchange: Harrison, Carleton, Clark, Coleman, May.
Student Honors: Boggs, Brown, Franklin, Meserve, Shiflett, Sundheim.
Committee on Committees: Ficken, Doty, Franklin, Replogle, Young.

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

The President of the College appoints special committees from time to time to aid him in special tasks. Those now functioning are:

War and National Defense: Walter, Hastings, Alexander, Young, Ficken.
Institute of Adult Education: Coleman, Boggs, Young, Cornell, Wood, Bradley.
Institute of International Relations: Wood, Boggs, Holmes, Shiflett, Moore.
Macalester College in War Time

The dominant purpose of Macalester College during the war which the United Nations are waging against Germany, Italy, and Japan, is to cooperate to the utmost with every program that may be suggested by the Government or otherwise devised to help win the war. The College has taken part in every college program approved by the Government for pre-induction training or the in-service specialized training of the Army, Navy, and Marine Corps so far as this training has been on the college level. It will continue this cooperation in every field for which it is equipped and it will adapt its courses to help fill shortages of skilled workers in defense plants as well as in the armed forces.

The College has made many adjustments to serve the needs of young men and young women while the country is at war. Not only have the existing courses been changed as to content and emphasis, but new courses have been added that deal directly with pre-induction training, the issues of the war, civilian defense, and technical matters associated with the national defense. In view of the importance of physical fitness to meet the national emergency, the Health Service has intensified its remedial program to correct individual deficiencies, and physical education is required of all students throughout the four years of college. The U. S. Navy Department has approved courses for Naval Reserve Class V-1 (Apprentice Seamen), Class V-5 (Flight Cadets), and Class V-7 (Deck Officers). The U. S. Marine Corps, Coast Guard and the Air Corps of the Army have similar programs with which the college is cooperating. While no final assurance can be given to those who enroll in these courses that they will be allowed to finish them, there is a probability that the students will be encouraged to go just as far with their college training as the military necessities of the time permit.

The consensus of opinion among Army and Navy men is that the four-year college course constitutes an excellent foundation for practically all types of activity with the armed services. There is a definite shift of emphasis to Mathematics and the Natural Sciences, and Macalester College has strengthened these departments to take care of an additional student load and to expand the courses offered. The laboratories at Macalester College are well equipped and enable the college to cooperate readily with Government suggestions.
In addition to the regular courses of the departments, short-term courses covering 8, 12, or 16 weeks are arranged from time to time to meet special governmental needs. Students are urged, however, to plan their program on the basis of the regular college offerings set forth in this catalog. The curricula for students planning to enter the various divisions of the armed services, which have been approved by the Government, are set forth on pages 115, 116. Additional curricula are being organized from time to time, and students are asked to communicate directly with the college for the latest information in these fields.

The war situation affects young women as well as young men. Women students at Macalester College are required to take Physical Education including Red Cross First Aid and Swimming. They are also encouraged to take courses dealing with Nutrition and Canteen service. In general, the emphasis on the natural sciences which is regarded as appropriate in the case of young men, is equally applicable to young women. Many technical services in civilian life and national defense industries requiring scientific training will be filled by young women, and all the science courses at Macalester College are open to them. According to the latest available reports, shortages which women can fill exist, or will exist, in such fields as medical technology, medical secretarial work, chemistry, biology, nursing, and teaching. There is also a shortage in secretarial and stenographic workers, and the college maintains a secretarial studies department in which students may obtain this kind of training.

While the college participates in the war program, it will at the same time continue to uphold the highest academic standards in all the courses offered. It will maintain its emphasis on the training of good citizenship for peace as well as for war, and it hopes that the Macalester students of these troubled years may find themselves equally well equipped for the immediate tasks of the war and for the long-range objectives of the nation and of their individual lives.
General Information

Macalester College is a coeducational college of liberal arts and sciences, founded in 1885 and ever since maintained under the auspices of the Presbyterian Church of the U. S. A.; it is Christian in its spirit and purposes, but non-sectarian in its instruction and attitudes. The college is located in Saint Paul, Minnesota, with the campus facing Summit Avenue, one of the most beautiful residential streets in America. Its location is equidistant from the central business sections of the Twin Cities, St. Paul and Minneapolis.

Macalester College is fully accredited, a member of the North Central Association of Colleges, the Association of American Colleges, the American Council on Education, and the National Conference of Church-Related Colleges. It is on the list of colleges approved by the Association of American Universities, and also on the list approved by the American Association of University Women. Its graduates are received as graduate students in the leading universities of America.

Degree

Graduates of the College of Liberal Arts receive the degree of Bachelor of Arts.

General Purpose

Macalester College seeks to be a place of culture, where intellectual horizons are widened and young men and women find a reason for living and a source of joy in living. It stresses the humanities, science and philosophy. It would provide intellectual and social opportunities of growth for those who seek guidance toward the good life.

The primary need of all persons is to learn a way of life and to achieve spiritual integration. To meet this need, Macalester College emphasizes work in philosophy and religion. It desires to acquaint its students with the finest philosophical minds of all time and invites to its campus the leading thinkers of today. It selects for its faculty broadly trained men and women, earnest in their religious faith, thorough in their scientific knowledge, with a friendly concern for the developing personality of each individual student.

The college does not seek to impose specific religious ideas on its students. While courses in religion are given as background,
dependence is placed upon the contagion of great souls rather than upon any formal instruction in religion. As the college was founded and is maintained by Christian men and women who accept the Christian way of life, students are encouraged to examine the life of Jesus as a pattern for living and his teaching of justice and good will as the highest wisdom.

Macalester College emphasizes the courses in science, literature and the arts as the best foundation for successful professional training. The rigid demands of specialization in graduate school indicate that the undergraduate's years should be a period of intense and comprehensive cultural training. The Macalester curriculum is developed on this plan.

Macalester College insists that every student must have a broad foundation of knowledge, personal competence and constructive purpose. On this base, experience and activities can be built that will make life a joyous experience for the individual and a source of strength for society.

Educational Objectives

Macalester College seeks to provide each student with guidance, instruction, environment, facilities and experience favorable to his achievement of the following goals:

In general education:
Development by each student of his own physical, mental, emotional, social and spiritual resources for self-management and SELF-REALIZATION.

Acquisition of knowledge, attitudes, habits and skills leading toward effective COOPERATIVE EXPERIENCE in personal relationships, home life, group enterprises, civic projects and international affairs.

EXPLORATORY ACQUAINTANCE with the main fields of significant knowledge and human activity, both past and present, with a view to the appreciation and understanding of each, and of their relation to one another, the appropriation of some for recreational and avocational use, and the choice of one as a field of concentration for eventual specialization.

Cultivation of the ART OF THINKING, of the main tools and skills of thoughtful living and of the best methods for gaining
truth, including familiarity with laboratory methods, efficient habits of reading and listening, first-hand knowledge of at least one foreign language, ability to separate fact from propaganda.

Cultivation of the arts and skills of COMMUNICATING IDEAS, including thorough training in the use of the English language.

Development of a Christian PHILOSOPHY OF LIFE.

**In advanced education:**

Progressive MASTERY of a chosen field of knowledge.

Development of the habit of continuous EXPLORATION of the frontiers of one's specialty.

Creative activity in advancing the contribution of one's specialty to HUMAN WELFARE.

Constant interpretation of the area of specialization in PERSPECTIVE with wider fields of human interest.

**In special education:**

The acquisition of up-to-date knowledge of those areas of the ORGANIZED WORK of the world to which the individual is adapted or adaptable.

Progressive ADAPTATION of the student's education to his emerging APTITUDES and probable career opportunities.

**Historical Sketch**

Macalester College had its origin in two educational enterprises established by Dr. Edward Duffield Neill, distinguished Minnesota pioneer missionary and educator. Dr. Neill established Baldwin Academy in St. Paul in 1853, named after Mr. M. W. Baldwin, the famous locomotive builder, a financial supporter of Dr. Neill in his first educational undertakings. Dr. Neill's removal to the east, where he became secretary to President Lincoln, interfered with the plans for the academy, but in 1870 Dr. Neill returned to the west, and in 1872 established a second Baldwin Academy in the Winslow House in Minneapolis. In 1873, the owner of the Winslow House, Mr. Charles Macalester, of Philadelphia, bequeathed Winslow House to the college, which on March 5, 1874, became Macalester College in honor of the donor.

Macalester College, however, as a collegiate institution, was not opened until 1885, although it was formally incorporated in 1874. Dr. Neill was unable to secure adequate funds for the support of the college until 1880, when the Synod of Minnesota of the Presby-
terian Church U. S. A. accepted responsibility and control of the institution. The trustees of the college in 1883 donated to the college forty acres in St. Paul on which it is now established. They sold the Winslow House and with the proceeds, in 1884, erected the East Wing of the present Main Building. The Synod in the same year completed an endowment of $25,000 for the president’s chair. On these small foundations and after years of disappointment, Dr. Neill saw the college open its doors to students on September 15, 1885.

Macalester College is a coeducational institution. From 1885 to 1893, however, it was a college for men only. The first fifteen classes graduated 100 men students. The total number of graduates, including the class of 1940, is 2248 of whom 1034 are men and 1214 women.

The endowment of the college has grown from $25,000 in 1885 to $2,324,000 in 1941. In 1904, an accumulated debt was paid off, and a campaign begun for $300,000 endowment. The goal was completed in 1911. In 1916, a second effort raised the endowment to $560,000. The second million dollars of endowment was completed in 1941.

The buildings on the campus have been expanded by the erection of Old Main in 1895, the Carnegie Science Hall in 1907, Wallace Hall (dormitory for women) in 1907, the gymnasium in 1924, the central heating plant in 1924, Kirk Hall (dormitory for men) in 1927, the president’s residence in 1927 and the Library in 1942. The college has the use of the adjoining Macalester Presbyterian Church as a college chapel. It is also the owner of the building that houses the Conservatory of Music on Summit Avenue, a frame building which houses the college infirmary, and two residences used by faculty members. The value of the campus and buildings is $1,450,000. The library contains 35,500 volumes and is valued at $40,000.

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., D.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., 1924-1937
Charles Joseph Turck, A.M., LL.B., LL.D., 1939——

*Deceased
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 a 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.

The Library Building was erected in the academic year 1941-42 and will be ready for use in September, 1942. It is of American Colonial design and has a capacity of 110,000 volumes. The building has two spacious reading rooms, several seminar and conference rooms, and individual carrels. The Neill Room will make available to students the valuable Neill collection of original documents and manuscripts on early American and Minnesota history. The Carnegie Art Collection set will be exhibited in this building.

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

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, late president-emeritus of the college. This three-story, fire-proof brick building contains rooms for 116 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 spectator's 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 35,500 volumes and is located in the Library Building. In Carnegie Science Hall are department libraries.

Two hundred and sixty periodicals are on file in the Library or in the department libraries.

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.

A gift of $500.00 to endowment funds has been made by the Class of 1902, the income to be used for books and materials in the field of political science.
The Library is open during the college year as follows: Monday to Friday, from seven-fifty a. m. to ten p. m.; Saturday, from seven-fifty to six o'clock; holidays, from nine to twelve a. m., and from one to five o'clock p. m.

**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 40.

For the first semester of the college year freshmen present themselves for registration on Friday morning prior to the opening week. On Tuesday registration of sophomores, juniors and seniors occurs. Registration without penalty ends Wednesday. Second semester registration occurs on the Monday and Tuesday immediately preceding the second semester.

Students who have failed in half the work of one semester, counted by hours, except freshmen in the first semester of residence, 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.

The college reserves the right to exclude from attendance students whose influence is undesirable.

**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 middle and end 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 within the first two weeks of the next semester in residence. 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 in residence. 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.

For private and condition examinations a fee of fifty cents shall be paid for each examination at the office of the treasurer.

**Student Financial Aids and Awards**

Macalester College provides a variety of opportunities for financial self-help. The type and amount of aid available varies according to the applicant’s scholastic standing, need, geographic location, graduation plans, health, leadership and similar factors.

Application blanks for aid and for admission to the college may be secured from Mr. George Scotton, Admissions Counsellor. These blanks should be completed and directed to the Student Aid Committee as far in advance of entrance to college as possible. New students should have their high school principal send a transcript of their high school work to date at the time the application for admission and the application for aid are forwarded.

**High School 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 boy, the other to the highest ranking girl.

Each scholarship is equivalent to one-half of the tuition of the freshman year and is credited on the second semester, provided the student has maintained a C average during the first semester.

**Endowed and Contributed Scholarships.**—From sources listed under Scholarship Funds, students of superior rank are granted scholarships to meet demonstrated needs.
Junior College Scholarships.—Graduates of Junior and Teachers' Colleges who enter with junior standing at Macalester are granted Honor Scholarships if they rank in the upper half of their graduating class.

Loans are available to Juniors and Seniors in amounts not to exceed $150 for one year or $250 as a total at the time of graduation.

Service Contracts are assigned to students who would otherwise be unable to meet the full expenses of a college education, who show willingness and ability to do work of value to the college, and who show that they can carry the work without serious injury to their scholastic standing or health.

Grants-in-Aid are made in exceptionally needy cases to eligible students who otherwise would be unable to attend college.

Graduate Fellowships.—A limited number of Macalester graduates with outstanding records who are engaged in graduate work at the University of Minnesota are granted Fellowships of $300 for teaching and research services at Macalester College.

Prizes

Class Prizes. — The ten highest ranking students of the Freshman, Sophomore and Junior Classes, respectively, are granted prizes of $50, and the next ten of each class in rank are granted prizes of $25. These prizes are not in the form of cash but in the form of credit during the next two semesters in college.

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.

Psychology Prizes.—Through a friend of the College, there have been made available, beginning with the academic year 1939-40, three prizes for thorough and original work in Psychology, in amounts of $60, $25, and $15. Contestants must be seniors majoring in the Department of Psychology, with an average grade of at least B in departmental courses.

Scholarship Funds

Byram Foundation Scholarships.—This is a scholarship gift from the Byram Foundation, Incorporated, designed to aid needy students of outstanding achievement and promise.

Byram Foundation Fellowships.—These are made available by the Byram Foundation, Incorporated, for teaching and research by a limited number of Macalester College graduates.

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 consultation 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.

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.

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 through 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.

James Wallace Alumni Loan Fund.—A fund of $3,500.00, established by the Alumni Association as a memorial to Doctor James Wallace. The principal of this fund is available for Juniors and Seniors who have maintained a scholastic average of C or better for the year preceding the grant of the loan.

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 $9,000, income from which is to be devoted to the development of the Department of History.

Student Activities

The Y. M. C. A. and Y. W. C. A, both jointly and separately, offer social, educational, and religious advantages to the students. They are Christian fellowships of youth seeking to find and meet campus needs. Their program helps with freshmen orientation, provides inspirational meetings and directs the study and practice of Christian social thought. Regular meetings are held Monday evenings. The Associations maintain affiliation with their respective national organizations. Delegates are sent to area and regional conferences at Ihduhapi and Geneva.

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.

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.

Debate and Oratory.—All matters pertaining to debate and oratory are in charge of Pi Kappa Delta and the Student-Faculty Debate Council.

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.

**International Relations Club.** The International Relations Club is a study group and discussion forum for those students in the college interested in contemporary international questions. The club is affiliated with the Carnegie Endowment for International Peace and is devoted to the encouragement of informed public opinion upon international questions.

**College Glee Club.**—This is a men's organization, firmly established and with a splendid record of accomplishment in the twenty-eight 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.

**College 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 Music Department.

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

**Macalester Inter-Varsity Christian Fellowship** is a chapter of the national organization. The purpose of the group as stated in the constitution is to witness to the Lord Jesus Christ as God Incarnate, to seek to lead others to a personal faith in Him as Savior and to strengthen the spiritual life of the members by study of the Bible and by prayer.

**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.

**The Women's Athletic Association** is an organization to foster and increase interest in games and sports for the women of the campus. Among the activities which it sponsors are tournaments in various athletic and recreational games, play days, and co-recreational sport's nights. With the help of the Physical Education Staff this organization also provides instruction in Ball Room Dancing and Square Dancing for both men and women. A division of the W. A. A. is the Aquatic League which sponsors splash parties,
a swimming exhibition, and a St. Croix and a Northwoods Canoe Trip each year.

**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.

Note:—No literary society or other student organization may be established without the consent of the faculty. Approval of the Comptroller is required for the incurring of any debt by a student activity.

**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.

**Publications**

The following publications are issued from the college:—

**The Mac* a*ela*er College Bulletin**, a periodical devoted to the interests 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.

**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.

**Guidance and Personnel Service**

The intimate personal relationship with faculty members, which
is at the disposal of students in their instruction and campus life,
is recognized by alumni as one of the outstanding benefits of their
undergraduate experience at Macalester. In order to make the most
of this natural advantage, the college provides extensive modern
facilities for personal evaluation, counsel and adjustment under the
supervision of a Director of Guidance. This counseling service is
available to all students on a voluntary basis but is in no sense a
program of discipline or coercion. The goal is the development of
intelligent self-management by the student as early as possible in
his college experience.

In counseling high school seniors who expect to enter college,
wide use is made of high school records and the results of college
aptitude tests administered annually through the Association of
Minnesota Colleges. As far as possible students who have made
application for admission to the college, or who express a preference
for this college, are interviewed by field representatives and other
members of the college staff previous to approval for matriculation.
Persons are encouraged to become members of the college com-

On the opening day of the school year, administrative officers
and representative student leaders meet with all new students for a
period of general orientation. Following this session, new students
are assigned to members of the faculty who become their counselors.
The counselor discusses with the individual student his plans for a
college education, assists him in planning a schedule of courses,
provides for counsel through the year on personal, social, academic
and related problems, reports to the student his grades and interprets
results on various tests.

Many and varied adjustment opportunities are made available
to the new student. Planned cooperation of the college adminis-
tation with student organizations enriches the program of new-student orientation. Typical of informal phases of this program are the Y. M. C. A. Freshman Camp and the Y. W. C. A. Freshman Camp held during the first week-end for fellowship and discussion between new students, student leaders and faculty members.

The entire guidance and personnel service is based upon the most comprehensive and accurate understanding of the student obtainable. Freshmen meet in a group with the Director of Guidance once each week during the first semester for a discussion of "Freshman Problems" common to the first-year student. In this course students prepare autobiographies, life histories, statements on life philosophy, and fill out check lists of interests and attitudes, all of which are designed to make available developmental patterns of childhood and early youth background. During the second semester of the freshman year, special interest and special problem groups are formed to benefit those who are in need of such assistance. From the beginning an extensive testing program measures each student's school subject achievement, scholastic aptitude, reading ability, personality adjustment, vocational interest, health and social attitudes. Other tests are used when necessary in diagnosis of special problems.

These test-results, reference reports and other data, such as correspondence, parental reports, grades, extra-curricular activities, public school records, employment, financial aid, interview and conference reports, are filed in a cumulative personal record for each student. The personnel file is available for counselors, faculty and administrative officers, in counseling the student on problems relating to his welfare and advancement.

The purpose of the entire guidance and counseling service is to provide the cooperative student with sympathetic yet objective help in seeking a mature understanding of himself, the college, and life possibilities, in order that he may better determine and decide for himself the objectives to which his energies shall be dedicated.

**Employment and Placement**

Employment and placement services are available for all students, former students and alumni. The student guidance and personnel office coordinates this service and administers the placement policies of the faculty committee on placements.
Full time, part time, vacation, and summer employment as well as board and room and odd jobs are listed and filled through the employment and placement service.

Manifestly, there is great difficulty today in finding employment for the young worker. The graduate prepared for teaching or business does not find desirable employment easily. Employers are practicing the selective process in each area of their employment programs. The college makes wide use of personnel records and analytical techniques in placing the student or graduate in all types of part or full time employment—thus making it a definite guidance and personnel function.

Obviously, only those will be recommended who are registered with the guidance and personnel service and who show by their character, interest, ability, and professional preparation that they are qualified for the work for which they are applying.

**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 an 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.

**Tuition and 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><em>Tuition</em></th>
<th>Semester $87.50</th>
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<tbody>
<tr>
<td>General Fee</td>
<td>$12.50</td>
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</tbody>
</table>

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, 201, 202, 204 with laboratory, 300, 302, 304, 305...
  
  - Biology 204 without laboratory...
  
  - Chemistry 101-102, 103-104, 201, 202, 203, 204, 303-304, 305, 309-310, 311-312, 313, 331-332, 403-404...
  
  - Education 300, 307...
  
  - Geology...
  
  - Music: (a) Individual instruction in piano, organ, voice, violin...
  
  - (b) Practice room rental, six hours a week...
  
- Physics 101-102...
  
- Physics 201-202, 221, 301-302, 411...
  
- Psychology 310...
  
- Secretarial Studies 301, 302...
  
- Shorthand...
  
- Speech 200R, 201-202, 203-204, 205, 218, 303-304, 309-310, 311, 317, 318, 401-402...
  
- Typewriting...
  
- Change of Course...
  
- Guarantee Fee (Dormitories)...
  
- Graduation...

Tuition of a student taking eleven hours or less is reckoned at $7.00 a semester hour. The general fee of $12.50 is added when such registration exceeds seven credit hours.

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

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

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

N. B.—For music fees see page 122.
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 Comptroller.

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.
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 written application to the Comptroller.

Wallace Hall—
Board, per semester, each person $100.00
Room rent, per semester, each person $50.00
Bed linen furnished and laundered (optional), per semester... 2.50

Kirk Hall—
Board, per semester, each person 100.00
Room rent, per semester, each person 50.00
Bed linen furnished and laundered (optional), per semester... 2.50

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

Each tenant is required to deposit $2.50 each semester 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 study chairs and a lavatory with hot and cold water.

The drawing of rooms in the dormitories will take place on the last Tuesday in April for those who live in the dormitories. After the first day of May application for rooms from new students will be filled.
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 August, 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 the Director of Guidance.

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.

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 Student Employment Service, Macalester College, St. Paul.

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

General Statement

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

The satisfactory completion of fifteen units of properly coordinated work is required for admission to the freshman class of the college. The following units are required: four in English (or three in English and two in a foreign language), one in Algebra and one in Geometry. Not more than 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 and two units of natural science. 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.

Candidates for admission from the upper third of their high school class are admitted without reference to specific subject requirements, provided they present eleven non-vocational units including one unit of algebra or of unified mathematics.

A limited quota of carefully selected students is admitted from the lower half. They are chosen on the basis of personal conferences. In some cases the satisfactory completion of certain aptitude and achievement tests is required. These tests are given in the Main Building, Room 104, on the last Saturday of May, June, July and August from 9:00 A. M. to 4:00 P. M. Appointments are to be made by remitting the “Entrance Examination Fee” of $5.00 to the Office of the Dean at least one week in advance.
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.

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 by special appointment.

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. An average grade of C or better in previous collegiate work is required.

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

Macalester College offers courses leading to the degree of Bachelor of Arts.
The Requirements for the Degree of Bachelor of Arts are:

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

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

C. 8 points in Physical Education, the term point meaning the satisfactory completion of a semester course in Physical Education. Students passing the Cozen's Athletic Ability Test for Men or the Graybeal Revision of the Cozen's Test for Women will be excused from the Physical Education activity requirement the Junior and Senior years.

D. During the senior year candidates shall pass a comprehensive examination covering in a broad way the learning they may reasonably be expected to have achieved in the following areas:

1. The departmental major and "first" minor; 2. The general cultural fields with which a graduate from a liberal arts college should have made significant contact, either in courses taken or through outside activities.

The examination may include portions which are written, oral or of a performance type.

E. Candidates shall, throughout their college course, show reasonable ability to read, write and speak the English language. Students reported deficient in English by two or more instructors during any semester shall be referred to a faculty committee for further diagnosis and remedial measures. Each student must have a clear record in English before being admitted to the senior class.

A candidate for the bachelor's degree shall have been in residence at Macalester College for the full four years, or shall have transferred advanced credit from approved institutions as set forth in the preceding heading, the amount of such transferred credit not to exceed sixty-four credits or two full years, and the number of years spent in Macalester College to be not less than two. The Senior year must in all cases be spent in residence at Macalester College.
Distribution and Concentration of Requirements

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

1. (a) English Composition, six credits and continued proficiency in reading, writing and speaking.
   (b) Literature, six credits in English section B or a foreign literature course, 300 or above.

2. Foreign language 202, 204 or 306, completed by the end of the junior year; German 205, 306 or French 306 is advised for students whose major is in Group III.

   Students with four units of high school credit in a foreign language may present these credits to fulfill the minimum language requirement upon passing a satisfactory examination in course 202 of that language or its equivalent.

3. Religion, eight credits, six of which must be from Section A of the department.

4. Philosophy 205, 220, 311 or 312, three credits.

5. Economics, History, Political Science, or Sociology, twelve credits in two or more departments.

6. Natural Sciences and Mathematics (Group III), fourteen credits, completed by the end of the junior year. Of these, eight must be in a laboratory course 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.

7. 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.

8. Physical Education 151R, 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: 14 credits in courses of Group I numbered 200 or above and outside the major department. 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 103-104 or 111, 112.

   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
2. Education
3. History
4. Philosophy
5. Political Science
6. Psychology
7. Religion
8. Sociology

GROUP III.
1. Biology
2. Chemistry
3. Geology
4. Mathematics
5. Physics
6. General Science (Education)

GROUP IV.
1. Art
2. Music
3. Speech

Restrictions on Choice

A choice 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: Chemistry 106, English 103-104, French 101-102, 103, 305, German 101-102, Greek 101-102, Latin 101-102, Mathematics 101, 103, 111, 112, Physics 101-102, Religion 103 and 105, Spanish 101-102. See also Biology 101-102, 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 has established honor courses in special fields of concentration, open to students of exceptional ability who, in the freshman and sophomore years, have made adequate preparation.

Classification of Students

Classification—A student is classified as sophomore on gaining twenty-four credits and twenty-four honor points; as junior on obtaining fifty-four credits including three credits in Religion Section A, and fifty-four honor points; as senior on obtaining ninety credits and ninety 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 advisor. 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.

The Citizenship Sequence

Macalester College has for many years sought to develop qualities of citizenship and civic leadership among its students. The faculty has gradually worked out a sequence of courses in citizenship, which allows ample opportunity for specialization in the junior and senior years and yet keeps at the forefront of the student’s attention his obligations as a citizen. It will be noted that the following sequence includes all subjects required for graduation except foreign language, natural science and mathematics, six credits in English, Bible, and physical education. The sequence is strongly urged upon each student of the college, but it is not compulsory.

The objective of the sequence in the freshman year is to develop the student’s skill and knowledge in the basic areas of his activities as a citizen. He must learn to think straight and he must be able to communicate his own ideas and understand and evaluate the ideas of others.

As a background for his thinking, the student is advised to take a survey or integrated course that will help him to understand how man has come to live as he does upon this planet. He has a choice of three approaches to this problem:

1. The Historical. The course is entitled “The Rise of Modern Europe and America,” and is offered by the Department of History.**

2. The Contemporaneous. The course is entitled “Contemporary Affairs,” and is offered by the Department of English. Each present day incident or event that is discussed is traced to its ultimate causes and is contemplated as a cause of future events.

** As the History course is only three hours a week (the others are five hours a week), students taking this course are urged to take a two hour course in Religion, two credits each semester. The Humanities course carries one credit in Religion each semester.
3. The Philosophical. The course is entitled “Introduction to the Humanities,” and is offered by members of the faculty representing departments of English, History, Art, Music, Religion and Philosophy. The course seeks to make the student aware of the great movements of thought and social life which have produced our modern civilization, and the relation of great literature, art and music to political and social change is made clear.

All these courses are intimately connected with the “Communications Laboratory,” in which the student finds aid and experience in writing and speaking accurate and effective English prose. The Laboratory is under the supervision of the English Department and the course, obligatory on all freshmen, is known as English 103-104.

In the Sophomore year, the Sequence endeavors to indicate how life forces operate in the individual and in society. In relation to the individual, two courses are offered, the first of which may be taken in the freshman year:

1. Physiology. This course is designed to enable the student to know himself and his bodily needs and resources in order that he may live more effectively in modern society. The student becomes acquainted with the essential facts of human anatomy and physiology and is able to make a critical judgment about suggested means of maintaining good health. Special attention is given to personal hygiene.

2. Psychology. This course conducts a study of the behavior of the human organism, together with its conscious accompaniments, with a view to prediction and control. It is related to Biology on the one hand and to Sociology on the other. It considers the individual as affected by heredity and environment, and examines his behavior in relation to his physical constitution and his family and social relations.

In relation to the operation of life forces in society, an integrated course known as “Introduction to the Social Sciences” is offered by the Departments of Economics, History, Political Science and Sociology. This course, from many points of view, is the heart of the sequence. It considers the characteristics of the economic order under which we live, production and marketing under competitive and monopolistic conditions, and the protection of the consumer’s interests. A study is made of international economic relations and

***Social Science majors, as they are required to take at least two courses in the principles of particular social sciences (including a course in American Government) do not take the integrated course described above.
their relation to war and world organization. Special attention is given to problems of economic instability and inadequacies, manifesting such results as relief, social security measures, the business cycle and the distribution of wealth and income. The course considers our basic political institutions, the nature of the state, and the various forms of government. It studies the formation of public policy through public opinion, propaganda, the development of political parties and interest groups. It also considers the nature of law, its interpretation, administration and execution. The students are brought to face the problem of social control in a free society, how social controls threaten to break down in a complicated machine civilization, and how intelligent leadership may give direction to social progress. The course meets five times a week in the first semester and four times a week in the second semester, and carries a total of nine credits.

In the junior year, there is no specific recommendation as to courses dealing with citizenship, as it is felt that the junior year usually ought to be the year of most intense concentration within the field of major interest.

In the Senior year, however, the Sequence is resumed with a climactic course entitled "An Inquiry into the Fundamentals of Thought and Conduct." This is an integrated course in Religion and Philosophy, meeting two hours each week in the second semester. It guides the student in a searching examination of his experience in the light of recognized principles of truth. The end sought is the attainment by the student, on grounds of clear logic and steady faith, of the ability "to see life steadily and see it whole." The course seeks to aid the student in determining the relation of his knowledge in particular fields to the purposes of his life and his functions in society, and to assist him, as he faces mature responsibility, in reaching a clear philosophy of life in harmony with Christian principles of thought and action.

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. It meets all the requirements for admission to the University of
Minnesota Medical School as well as other leading Medical Schools of the country. However, for the duration of the war, students of exceptional ability may meet all the pre-medical requirements in three years or less if they also attend summer school. Those taking such an accelerated course are given a bachelor’s degree upon the satisfactory completion of ninety-six credit hours at Macalester and the first year’s work in a recognized medical school.

**Freshman Year**
- Inorganic Chemistry
- English
- German
- Mathematics
- Religion

**Sophomore Year**
- Biology (General Zoology)
- Chemistry (Analysis)
- German
- Psychology and Philosophy
- Religion

**Junior Year**
- Biology or Social Science
- Organic Chemistry
- German
- Physics
- Religion

**Senior Year**
- Biology
- Chemistry (Physical)
- Psychology
- Electives to complete graduation requirements

**Medical Technology.**—This profession is recommended to women only. For the duration of the war students taking this course will spend three years in residence at Macalester College taking ninety-six credit hours of work in the art 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.

Before being admitted to the professional course at the hospital the student must meet the general graduation requirements and complete the following courses: Zoology, Bacteriology, Inorganic Chemistry, Organic Chemistry, Histology, Parasitology, Physiology or Comparative Anatomy. In addition The Registry of Medical Technologists highly recommends Physics and Quantitative Analysis.

Upon successful completion of the senior year in professional training the student will be given the bachelor’s degree. And upon successfully passing the examination of The Registry of Medical Technologists the student will receive the certificate in Medical Technology.

**Nursing.**—The present national emergency has greatly intensified the need for well trained and liberally educated nurses. According to the University of Minnesota: “Wherever possible, students should elect the five-year in preference to the three-year
curriculum, because the preparation given is broader and better, and graduates of the five-year curriculum are in much greater demand than are those of the three-year curriculum.” In accordance with this point of view prospective five-year nursing students are given an opportunity to complete their first two years at Macalester by taking the standard arts and science curriculum. Upon completion of the sophomore year the student may transfer to the University of Minnesota School of Nursing or to some other fully accredited Nursing School to complete the professional training course.

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 valuable to law students, and a college course arranged with this group of subjects as a nucleus is suggested below.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
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<tbody>
<tr>
<td>English</td>
<td>Accounting</td>
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<td>Foreign Language or Speech</td>
<td>English History</td>
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<td>Religion</td>
<td>Ethics and Logic</td>
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<td>Science</td>
<td>General Psychology</td>
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<td>Principles of Economics</td>
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<td>American Government</td>
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Junior Year

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<th>Economics</th>
<th>History</th>
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<tr>
<td>Political Science</td>
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<tr>
<td>Religion</td>
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<tr>
<td>Sociology</td>
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<tr>
<td>Speech</td>
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Senior Year

<table>
<thead>
<tr>
<th>Economics</th>
<th>Political Science</th>
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<tbody>
<tr>
<td>Religion</td>
<td>Sociology</td>
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<tr>
<td></td>
<td>Speech</td>
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</tbody>
</table>

Social Work.—The candidate for professional training in Social Work must have a background of undergraduate study in those areas of knowledge which illuminate human behavior and give understanding of social institutions and societal organization.

The following outline of study leads to a major in Sociology, with supporting minors in Psychology or Economics or Political Science and provides a basic preparation recommended by the American Association of Schools of Social Work.

In addition to the Macalester requirements regarding English, Religion, Foreign Language, Philosophy, Psychology and Physical Education, the following subjects should be included during the first two years:—General Zoology, Principles of Sociology, Introduction to Politics and American Government, Principles of Economics, Introduction to Statistics, Fundamentals of Speech, Art and Appreciation of Literature.

The following courses are advised for the third and fourth years: The Family and Marriage, The Rural Community, Crimin-

Choices should be made from a wide range of electives to complete the credit requirements for graduation. The following are suggested: Recreational Leadership Skills, Story Telling, Theory and Practice of Acting, Human Physiology, Genetics and Eugenics, General Geology, Educational Psychology, Psychology of Childhood, Psychology of Adolescence, History of U. S. from Colonial Times to the Present, The Community as a Laboratory, Public Administration, The Distributive System, Monetary and Banking Policies, Business English, Newspaper Reporting, and the Languages.

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 fields of teaching in secondary or collegiate institutions. Its Liberal Arts courses give the necessary foundation for a liberal education as well as subject-matter for use in the classroom. Its professional courses in education give technical preparation for the vocation of teaching. The latter are concerned with the principles, methods and history of education. Among the fields in which one may specialize at Macalester are: English, foreign languages, speech, social sciences, mathematics, natural sciences, music, physical education and commercial subjects.

Those who wish to take a four-year course in preparation for teaching in primary or elementary schools may take their first two years at Macalester. With careful election of subjects they may transfer to institutions such as the University of Minnesota for their professional work of the last two years without serious inconvenience or loss of credit.

For Careers in Business.—The student of today needs a broad background on which to build a professional career in the business world. This background is furnished by the cultural atmosphere and curriculum of the liberal arts college. Business leadership falls upon those with well-rounded personalities. Therefore the

General training in the basic business processes of production, finance, marketing and administrative control may be secured through the pursuit of such a program as the following:

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>History or Speech</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>Mathematics or Science</td>
<td>Sociology</td>
</tr>
<tr>
<td>French, German or Spanish</td>
<td>Psychology</td>
</tr>
<tr>
<td>Religion</td>
<td>Religion or Art Appreciation</td>
</tr>
<tr>
<td>English or Introduction to Humanities</td>
<td>Philosophy or Ethics</td>
</tr>
<tr>
<td></td>
<td>Speech or History</td>
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<td></td>
<td>American Government</td>
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<tr>
<th>Junior Year</th>
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</thead>
<tbody>
<tr>
<td>Distributive System</td>
<td></td>
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<tr>
<td>Statistics</td>
<td></td>
</tr>
<tr>
<td>Public Finance</td>
<td></td>
</tr>
<tr>
<td>United States in World Affairs or</td>
<td></td>
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<tr>
<td>Political Parties and Propaganda</td>
<td></td>
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<tr>
<td>Rural Sociology</td>
<td></td>
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<tr>
<td>Applied Psychology</td>
<td></td>
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<tr>
<td>Economic Geology or Social Pathology</td>
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<tr>
<td>Business Correspondence</td>
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<tr>
<td>Corporation Finance</td>
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<tr>
<td>Human Psychology</td>
<td></td>
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<tr>
<td>Appreciation of Literature</td>
<td></td>
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<tr>
<td>Secretarial Studies</td>
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</table>

**For Engineering.**—The program of courses for pre-engineering will depend upon the specific branch of engineering in which the student is interested. The following courses are advised for the groups of engineering students indicated:

### Aeronautical, Civil, Electrical, Mechanical Engineering—

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics (Algebra, Trig., Analytics)</td>
<td>Calculus</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td>English</td>
<td>Surveying*</td>
</tr>
<tr>
<td>Drawing</td>
<td>Theoretical Mechanics</td>
</tr>
<tr>
<td>Religion</td>
<td>Religion</td>
</tr>
<tr>
<td>Descriptive Geometry</td>
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*S*Surveying is not required for Electrical or Mechanical Engineering.

### Chemistry and Chemical Engineering—

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>Mathematics (Algebra, Trig., Analytics)</td>
<td>Calculus</td>
</tr>
<tr>
<td>English</td>
<td>Physics</td>
</tr>
<tr>
<td>Drawing</td>
<td>German</td>
</tr>
<tr>
<td>Descriptive Geometry</td>
<td>Religion</td>
</tr>
<tr>
<td>Religion</td>
<td></td>
</tr>
</tbody>
</table>
For Secretarial Studies.—The courses in Secretarial Studies are designed to prepare students for responsible positions in business. The following courses are recommended and are required of those who expect to obtain the Commercial Teachers' Certificate, enabling them to teach in high schools.

**Sophomore Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 271 (Accounting)</td>
<td>Economics, 272</td>
</tr>
<tr>
<td></td>
<td>Business Correspondence, 202</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Shorthand</td>
<td>Elementary Shorthand</td>
</tr>
<tr>
<td>Elementary Typewriting</td>
<td>Elementary Typewriting</td>
</tr>
<tr>
<td>Laws of Business Relations, 251</td>
<td>Economics, 372 (Distributive System)</td>
</tr>
<tr>
<td>Economics, 373 (Corporation Finance)</td>
<td>Economics, 376 (Money &amp; Banking)</td>
</tr>
<tr>
<td></td>
<td>or Economics, 338 (Labor Economics)</td>
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</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Shorthand</td>
<td>Advanced Shorthand</td>
</tr>
<tr>
<td>Advanced Typewriting</td>
<td>Advanced Typewriting</td>
</tr>
<tr>
<td>Office Machines and Management, 301</td>
<td>Secretarial Procedure, 302</td>
</tr>
<tr>
<td>Special Methods, 481</td>
<td>Practice Teaching, 411R</td>
</tr>
</tbody>
</table>

**Preparation for War Service**

The Army and Navy have authorized various college courses to prepare men for specialized service with the armed forces. Macalester College is cooperating with the Government in maintaining college courses of this character. Changes in these courses are made from time to time, and the following statement should be checked with the Registrar of the college to obtain the latest information as to courses meeting the government requirements.

**Academic Pre-Training for Army Aviation Cadets.**—The student in this course must have had advanced high school Algebra and Solid Geometry. He will take in college, College Algebra, Plane Trigonometry, Spherical Trigonometry, Astronomy, Maps and Weather, and general college Physics. Additional courses in Mathematics and physical sciences are also recommended. In emergencies, the college offers a special curriculum covering one semester, but if possible, students are urged to take two semesters.

**U. S. Naval Reserve Class V-1.**—Under this plan students not less than 17 and under 20 may, with the consent of their parents, enlist in the Naval Reserve Classification V-1 and are then given
inactive status until the completion of the first two years of college. After completion of about 1½ years, a comprehensive general examination prepared by the Navy Department will be used to select the highest ranking students for transfer to Naval Reserve Class V-5 (Aviation Cadets) or for transfer to Naval Reserve Class V-7 (Deck Officers). Those not selected will, at the completion of their sophomore year, be called to active duty as enlisted men in the Navy. The recommended curriculum for students in classification V-1 is as follows:

### Freshman Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Writing 103</td>
<td>English Writing 104</td>
</tr>
<tr>
<td>General College Physics 201</td>
<td>General College Physics 202</td>
</tr>
<tr>
<td>Mathematics (Algebra) 111</td>
<td>Mathematics (Trigonometry) 112</td>
</tr>
<tr>
<td>Navigation 152</td>
<td>American History 104</td>
</tr>
<tr>
<td>Language* 101</td>
<td>Language* 102</td>
</tr>
<tr>
<td>Physical Education 101</td>
<td>Physical Education 102</td>
</tr>
</tbody>
</table>

*The language may be French, German or Spanish.

Electives in the Sophomore year include:

- Physics 221 (Radio)
- Physics 302 (Electricity and Optics)
- Mathematics 310 (Statics)

### Sophomore Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>General Inorganic Chemistry 101</td>
<td>General Inorganic Chemistry 102</td>
</tr>
<tr>
<td>Mathematics (Spherical Trig.) 203</td>
<td>Map Reading 154</td>
</tr>
<tr>
<td>Biology (Human Physiology) 204</td>
<td>Language* 202</td>
</tr>
<tr>
<td>Language* 201</td>
<td>Physical Education 202</td>
</tr>
<tr>
<td>Physical Education 201</td>
<td>Electives</td>
</tr>
</tbody>
</table>

Note: If two years of a language were completed in high school, course 201-202 of that language is taken in the freshman year to complete the requirement.

### Academic Pre-induction Training for Army Aviation Cadets

#### One-Year Course

- Mathematics 111, 112 (Algebra, Trigonometry)
- Mathematics 203R (Spherical Trigonometry)
- Astronomy, Maps and Weather
- Physics 201-202 (General)
- English Writing 103-104
- Electives
- Physical Education 101-102

Note: If two years of a language were completed in high school, course 201-202 of that language is taken in the freshman year to complete the requirement.

Electives may be in a foreign language, American History, a social science, a course in Religion, or further work in a natural science.
U. S. Naval Reserve Class V-5 (Aviation Cadets).—Those students who are transferred from Class V-1 to Class V-5 at the end of the sophomore year will take training to qualify them to be an officer pilot. This training is given under the direct supervision of the Navy Department at its own training centers. It is not given at Macalester College.

U. S. Naval Reserve Class V-7 (Deck Officers).—Those students who are transferred from Class V-1 to Class V-7 at the end of the sophomore year will probably be permitted to continue their college course on inactive duty status up to the baccalaureate degree. The curriculum of the junior and senior year must have the approval of the Navy Department. In addition to the optional courses listed under V-1, the course will include additional subjects in the field of physics, chemistry, mathematics, American History, International Relations, Religion and foreign languages.

Other Courses for Pre-Induction Training

On the basis of information received from various army and navy officials the college has organized a number of courses that are designed to be helpful to students who are looking forward to service in the army or navy. Among these courses are:

Civil Aeronautics, page 115.
Map Reading, page 116.
International Morse Code, page 116.
All courses in Mathematics, page 88.
Red Cross First Aid, Nutrition and Canteen Courses
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.

Art
Mrs. Krinkie

Courses in art history and appreciation and the Art Workshop are given on the campus. Other courses in drawing and painting are offered at the St. Paul School of Art, and credit received in these studio courses counts toward a minor in Art. A minor consists of sixteen hours, usually twelve hours in studio work and four hours in art history.

150R. Art Workshop.—
A course in the experience of art, open to all, but intended primarily for majors in the sciences, social sciences and education. The purpose of the course, which presupposes no training or ability in the field, is to acquaint the student with the major art forms and by first hand experience to broaden his understanding and appreciation. One hour of lecture and two hours of laboratory a week. There will be demonstrations of modelling, drafting, oil, water color, fresco and tempera painting, photography and advertising art. Students participate in projects in at least three of these fields and visit the main collections and buildings of the Twin Cities.

Either semester, two credits.

203R. Introduction to Art.—
An introduction to the history of art—analysis of style and historical survey. This begins with the modern period and shows its relation to the architecture, sculpture and painting of the past. Use is made of the galleries and travelling exhibits in the Twin Cities, as well as the outstanding examples of architecture.

No prerequisite. Either semester, two hours a week, two credits.
205. Ancient Art.—
A study of the masterpieces of the ancient world—from the building of the great pyramids in Egypt through the classical period of Pericles in Greece, and including the art of Republican Rome.
Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

206. Medieval Art.—
Art in its relation to the Christian Church. Showing the growth of Christian art from its inception in Roman times through the monastic period and the great cathedral building eras of Romanesque and Gothic times.
Prerequisite, twenty-four credits or course 150R or 203R. Second semester, two hours a week, two credits.

207. The Art of Renaissance.—
The development of the Renaissance style from its emergence out of the medieval period through the High Renaissance in Italy and the North.
Prerequisite, twenty-four credits. First semester, two hours a week, two credits. Not offered 1942-1943.

208. Foundations of Modern Art.—
A study of the art of the late seventeenth, eighteenth and nineteenth centuries as a basis for contemporary styles.
Prerequisite, twenty-four credits or course 150R or 203R. Two hours a week, two credits. Not offered 1942-1943.

301R*. Elementary Drawing.—
A general foundation in drawing, consisting of studies from casts of antique sculpture and studies from living models in charcoal and pencil.
No prerequisite. Either semester, two or three 3-hour periods a week, two or three credits.

303R*. Design, Layout and Pictorial Analysis.—
This course deals with the abstract qualities of the artist's means of expression—line, space, pattern, form, color and their rhythmical relations in masses. Analytical references to ancient and modern art.
No prerequisite. Either semester, two 3-hour periods a week, two credits.

305R*. Still Life Painting and Drawing.—
Drawing and painting from still life objects in charcoal, water color and oil paint.
Prerequisite, course 301R or equivalent. Either semester, two or three 3-hour periods a week, two or three credits.
307R*. Lettering and Layout.—
Various alphabets, lower case, italics, numerals, modern lettering, spacing and proportions. A study of the design of the entire lettered page.
No prerequisite. Either semester, one 3-hour period a week, one credit.

311, 312. Individual Course.—
Students wishing to study some field of Art History not covered by current courses may do so as an individual or group project by special arrangement with the department.
Prerequisite, two courses in Art History and consent of instructor.
Two or three credits.
*These courses are offered at the St. Paul School of Art and the hours may be arranged to suit the individual student’s program. They carry an additional fee of $16 a semester for two credits.

Biology
Professors Walter and Meserve

The courses have been selected and arranged to enable the student to choose work of either a general or more special nature. Those desiring a well-rounded education are advised to elect courses in which the more cultural aspects of Biology are emphasized. Selections should be made from the following: Biology 102, 122, 202, 204, 303. These same courses are also recommended for those students preparing to teach Biology in high schools or taking a minor in Biology.

The requirements for a major in Biology include courses 102, 300 or 302, 303, 410. Additional courses toward a total of twenty-four credits are elective.

Pre-medical, pre-dental, pre-medical technology, and pre-nursing students are advised to take those courses which will satisfy the entrance requirements of the respective professional schools which they expect to enter.

The Department recommends the following supporting courses for its major students: a minor in Chemistry or Physics; a second minor in German or French; one semester of Historical Geology; Psychology, Economics, Sociology, Philosophy, Speech.

A. Zoology
101-102. General Zoology.— Mr. Walter and Mr. Meserve
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. During the second semester special emphasis is given to such topics as classification, geographical distribution, evolution, and genetics.

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.

201. Parasitology.— Mr. Meserve
The morphology and life history of animal parasites and their relation to the causation and transmission of disease. This course is offered primarily for medical technology students, pre-medics, and majors in the department.
Pre-requisite, Course 102. First semester, two lectures and one two-hour laboratory period a week, three or four credits.

202. Nature Study.— Mr. Meserve
An extensive study of the fauna and flora of this locality. Methods of collecting, preserving, and identifying material.
Pre-requisite, Course 102 or 122, or permission of the instructor. Second semester, two lectures and one two-hour field trip or laboratory period a week, three or four credits.

204R. 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. Special attention is given to personal hygiene.
Either semester, three lectures and one optional two-hour laboratory period a week, three or four credits. Credit reduced for major students in the department.

300. Comparative Anatomy.— Mr. Walter
This course 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. Second semester, two lectures and two two-hour laboratory periods a week, four credits.

302. Vertebrate Embryology.— Mr. Meserve
A study of the development of the chick and the pig embryos. From incubated chicks, whole mounts and serial sections 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, 300. Second semester, two lectures and two two-hour laboratory periods a week, four credits. Not offered 1942-1943.
303. Genetics and Eugenics.— Mr. Walter
The laws and principles of genetics, as illustrated by animals and plants will be studied. The application of these principles to the betterment of the human race will also be considered.
Prerequisite, course 102 or 122. 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 technique.
Prerequisite, course 102 or 122 and Chemistry 102. Two recitations and two two-hour laboratory periods a week, four credits.

305. Vertebrate Histology.— Mr. Walter
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.
Prerequisite, course 102. First semester, two lectures and two two-hour laboratory periods a week, four credits. Not offered 1942-1943.

409, 410. Individual Course and Seminar.— Mr. Walter and Mr. Meserve
Seniors and second semester juniors may, with the approval of the head of the department and the instructor giving the course, 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 technique, 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. Meserve
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.

One year, three lectures or recitations and one two-hour laboratory period 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 102 is also completed.

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

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

Chemistry
Professors Shiflett and Scott

For a major in chemistry students are advised to take courses 101-102, 201, 202, 307-308, 309, 310. A thesis is required. Other courses advised are: two years of German or French; Physics, course 201-202; Mathematics, course 201-202; 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 comply with the State requirements as given under the Department of Education. Pre-medical and pre-dental students may arrange to take courses 101-102, eight credits; 203, two credits; 204, three credits; 307-308, four credits; and 309, two credits.

101-102. General Inorganic Chemistry.— Mr. Shiflett
The course includes a thorough study of the principal elements and their compounds, their occurrence in nature and preparation in the laboratory; also an introduction to the study of qualitative analysis, 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. Scott
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.
106. Chemistry of Foods.— Mr. Scott
In this course a study is made of the sources, composition and preservation of human food. Some time is devoted to a study of the enzymes and vitamins.

Second semester, two lectures a week, two credits.
These credits may not be used toward graduation along with chemistry 307. Not offered 1942-1943.

108. Theory of Solutions.— Mr. Shiflett
A study of the laws of solution, ionization, chemical and physical equilibria, solubility product, principles of precipitation, oxidation and reduction, etc. For students who have completed Chemistry 101 or Chemistry 103 and are continuing 102 and 104 and who expect to continue with second year chemistry.

Second semester, two lectures a week, two credits.

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 104). 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 two to four hours laboratory a week, two or three 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 four to six hours laboratory a week, three or four 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 laboratory course is a continuation of course 202.
Prerequisite, course 202. One semester, four to eight hours laboratory work a week, two to four credits.

307-308. Organic Chemistry.—MR. SCOTT
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. SCOTT
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. SCOTT
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. Physical 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. One year, three lectures and six hours laboratory a week, ten credits.
Note: To satisfy the entrance requirements at the University of Minnesota Medical School a shorter course of one year, two lectures, three laboratory hours a week, six credits is offered for pre-medical students.
403-404. Individual Course.— Mr. Shiflett and Mr. Scott
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.
Open to seniors only, except by permission. One year, one hour a week, two credits.

Teachers' Course.—See Education 461.

Economics
Professor Young, Mr. Pritchard, Mr. Neff and Mr. Rusterholz
Twenty credits are required for a major in Economics. The following courses must be included: 231-232, 376 and at least two other courses, numbered 300 or above. A minor consists of twelve credits and includes 231-232 and at least one course numbered 300 or above.

An interdepartmental major is available in Economics and Political Science. It consists of twenty-six credits in the two departments and must include Economics 231-232, Political Science 209-210 and at least one course numbered 300 or above from each department.

231-232. Principles of Economics.— Mr. Young
Fundamental principles of economics with respect to production, value, distribution, and consumption; prices and costs of production; monopoly and monopolistic competition; regulation of industry. Special emphasis on application of economic principles to current problems such as money, credit, monopolies, transportation, labor, public ownership, taxation, insurance, agriculture, tariffs, trade obstacles, business cycles, unemployment, industrial conflict, cooperatives, public works, collectivism. (Students not majoring in a social science may prefer 305-306, An Introduction to the Social Sciences.)
Prerequisite, twenty-four credits or consent of instructor. One year, three hours a week, six credits.

240. Introduction to Statistics.— Mr. Neff
The elementary principles of statistics with emphasis on their use for interpretative purposes in the fields of economics and business, education, psychology and sociology; includes the gathering of group data, methods of tabulation and the nature
of frequency distributions, graphic presentation, averages, dispersion, correlation, trend analysis, index numbers, and business forecasting.

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

251. **Law of Business Relations.**— **Mr. Rusterholz**
A practical course on the law of contracts, agency, sales, partnership, corporations, negotiable instruments, deeds, mortgages, leases, wills, bankruptcy.

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

271, 272. **Accounting Methods in Economic Analysis.**— **Mr. Neff**
Theory and practice of bookkeeping and accounting; ledgers and journals; business papers, depreciation and other problems of valuation; preparation and analysis of statements; interpretation of accounting data.

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

305-306. **An Introduction to the Social Sciences.**— **Messrs. Boggs, Cornell and Young**
A survey of the economic, political, and sociological institutions, forces, problems and principles of contemporary society. This course is designed to give intelligent background for the exercise of the responsibilities of citizenship, and is intended for those who do not plan to major in one of the social sciences.

One year nine credits (first semester, four hours a week; second semester, five hours a week). Three credits to each of the following departments: Economics, Political Science and Sociology. Prerequisite, twenty-four credits and consent of instructors.

338. **Labor Economics.**— **Mr. Young**
A survey of labor problems such as industrial conflict, wages, hours, employment, types of unionism, policies and practices of labor organizations; economic implications of labor legislation including compensation for unemployment, old age, accidents and ill-health; minimum wage laws; Fair Labor Standards Act; Wagner Labor Disputes Act; personnel administration, wage payment systems, employment stabilization.

Prerequisite, course 232 or consent of instructor. Second semester, three hours a week, three credits.

341. **Economic Problems of a War Economy.**— **Mr. Young**
The demands of modern warfare on the economic system; maximizing production; critical and strategic raw materials;
techniques of economic warfare; foreign trade and shipping in wartime; the labor factor and wages in wartime; transportation problems; housing difficulties due to shifts in production; agricultural industry and the war; the consumer in a war economy; priorities, allocations, rationing and demand controls; limitations of the price mechanism in war; direct and indirect price control and bases of price fixing; fiscal policy to regulate purchasing power; taxation, borrowing and the Keynes plan of war financing; government operation of industry during the emergency; economic effect of population trends which wars inaugurate; problems of postwar readjustment, including economic demobilization, postwar finance, business cycles, and international trade.

Prerequisite, Economics 232 or consent of instructor. First semester, three hours a week, three credits.

342. Public Finance.—
   \textbf{Staff}

Government revenues and expenditures; theory and practice.

Prerequisite, Economics 232 or consent of instructor. Second semester, two hours a week, two credits. Not offered 1942-1943.

372. The Distributive System.—
   \textbf{Mr. Young}

An analysis of the effectiveness of the marketing system in serving society. Institutions, practices and policies involved in getting goods from the producer to the consumer. Merchandising trends, advertising policies, pricing practices, selling methods, cooperatives, federal and state control over marketing activity, the role of the consumer.

Prerequisite, course 232 or consent of instructor. Second semester, three hours a week, three credits.

373. Business Organization and Finance.—
   \textbf{Mr. Pritchard}

Types of business organization with emphasis on the corporation; its financial structure; types of securities; promotions; financial policies; combinations; reorganization methods. Attention is given to problems of both the investor and the entrepreneur.

Prerequisite, course 232 or consent of the instructor. First semester, three hours a week, three credits.

376. Monetary and Banking Policies.—
   \textbf{Mr. Young}

Monetary and banking systems, problems, institutions, policies, banking operations, organization, and management; functions of trust companies, savings banks, Federal Reserve System,
government credit organizations, Bank of International Settlements; currency problems, foreign exchange, United States Treasury and the money market.

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

385. Survey of Economic Systems and Thought.—Mr. Young
The development of economic thought from ancient times to the present with emphasis on outstanding writers such as Aquinas, Smith, Ricardo, Mill, Marx, Marshall, Keynes, Hayek and Chamberlin. A comparative study of the economic organization and policies of Russia, Germany, Italy and Sweden.

Prerequisite, nine credits in Economics, senior standing and consent of the instructor. First semester, three hours a week, three credits. Not offered 1942-1943.

406. Economics Seminar.—Mr. Young
Conferences and reports on individual research in the field of Economics. Special topics for 1942-43 are: World Industries and Resources; the Power Problem; Consumer Movement; Postwar Problems; Price Control; Monopolies and Cartels. Students who are qualified may engage in special research or explore areas of interest not comprehensively covered in the regular curricular offering, such as Public Utility Economics; Principles of Insurance; Merchandising; and Foreign Trade.

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

411. Production and Personnel Management.—Mr. Young
An individual course dealing with production principles, planning, control of manufacturing operations, industrial cost analysis, purchasing and procurement, traffic management, time and motion studies, worker selection and training, wage scales, collective bargaining contracts, budgeting, war industries, government contracts.

Limited to seniors with permission of the instructor. First semester, three credits.

491-492. Community as a Laboratory.—Mr. Young
Identical with Political Science 491-492 and Sociology 491-492. Conferences, reports, readings, seminars, and field investigations dealing with economic, political, and social phenomena in the Twin Cities metropolitan area.

Open to seniors with the permission of the instructor. One year, two, four, or six credits (not more than two credits to a department).

Teachers' Courses.—See Education 462 and 481.

Secretarial Studies.—See that department for courses in Business Correspondence, Office Machines and Management, Secretarial Procedure, Typing and Shorthand.
Education

PROFESSORS BRADLEY AND REPLOGLE

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 of 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
   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.

Residence requirement for a certificate is thirty semester hours credit, nine of which must be in Education.

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. While this major may not so well prepare one
to enter certain graduate schools or types of industrial work, it is believed that it will more adequately prepare the student to enter the field of science teaching in high school than the more specialized departmental science majors. 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 42 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 42 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, six credits......... 6 credits
3. Additional, twelve credits in Group III, which may include Geology, but excluding the science in which the fourteen credits are taken. This may include not to exceed four credits in mathematics.......................... 12 credits

Total............................................. 42 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.

300R. 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 300, 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 300R. 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 300R. 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 300R. 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 300R, 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 technique as found in both the junior and senior high school. Practice teaching in the St. Paul City High Schools 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
Three credits in special methods must also be earned for certification in Minnesota. 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 Owen and Staff**
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 stage craft.
Prerequisite, one of the following courses in speech: 201-202, 211-212, 309-310. First 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 literature. Analysis of recent syllabi, particularly those prescribed for Minnesota High Schools. Review of text books, observation and lesson planning. Given with the cooperation of the departments of French, German and Spanish.
Prerequisite or collateral requirements: French 303-304 or German 401 or Spanish 315 and 316. 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. Camp**
A survey of objectives, methods of teaching and measurement of results in teaching secondary mathematics. There will be opportunities for classroom demonstrations and criticism of various techniques.
Prerequisite, minor in mathematics. First semester, two hours a week, two credits. Alternate years. Offered 1942-1943.

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 or three hours a week, two or three credits.

462. **Social Studies.**— **Mr. Holmes**
The object of this course is to give the new teacher an acquaintance with the Social Studies which will engender confidence in the classroom and intelligent participation in faculty meeting. Lesson planning based on the Minnesota syllabi and current secondary school texts; reports of observation, criticism
and discussion; introduction to professional literature. The best preparation for this course includes the completion of the following: Economics 231-232; History 101-102, 203-204; Political Science 209-210; Sociology 203-204.

Prerequisite, fifteen credits in history and twelve credits selected from at least two of the three departments: Economics, Political Science and Sociology. Second semester, three hours a week, three credits.

475-476. Public School Music—Choral and Ensemble Conducting.— Mr. Johnson
   (a) Technique of Conducting
   (b) Instrumentation and survey of ensemble literature, or choral technique and survey of choral literature.

Prerequisite or corequisite, music major with concentration in Choral Ensemble or Band Ensemble, or permission of instructor. One year, two hours a week, four credits.

477-478. Public School Music—Methods.— Mr. Johnson
   (a) Elementary School Methods
   (b) Methods in Music Appreciation
   (c) Survey of Materials

Corequisite, Education 475-476. One year, one hour a week, two credits.

481. Secretarial Business Methods.—

Consideration of the problems pertaining to the teaching of typing, shorthand, bookkeeping, and other commercial subjects in high schools.

First semester, three hours a week, three credits.

English

Professors Ward and Beedon, co-chairmen; Professors Doty, May, Coleman and Mr. Burg

A major in English consists of at least 20 credits and a minor of at least 12 credits in courses numbered 200 or above. Both major and minor include course 267, 268. A major includes also courses 387, 388, 389 and 390.

The general requirement in English consists of six credits in course 103-104 and continued proficiency in reading, writing, and speaking. Upperclass students reported deficient in English by two or more instructors during any semester shall be referred to a faculty committee for further diagnosis and remedial measures. Each student must have a clear record in English before being admitted to the senior class.
The general requirement in literature consists of six credits in English or foreign literature. This may be fulfilled in any course of Section B below or in a French, German, Greek, Latin or Spanish literature course numbered 300 or above, whether in the original language or in translation.

A. Communications Laboratories

The aim of these laboratories is (1) to assist students in improving their reading, writing, and speaking habits, (2) to provide them with a suitable environment for preparing written assignments in the courses they are taking, for doing work on college publications, and for other necessary or recreational writing. Two writing rooms are available, one for students who write by hand and one for those who use a typewriter. These rooms are open to all students.

At matriculation all students are given a series of tests to discover their needs. They are then assigned to a writing counselor, who helps them outline their course. Reading and speech counselors are provided as needed.

103-104. Freshman Writing, Reading, and Speaking.—

MR. BEEDON AND STAFF

Instruction in writing and the other language skills necessary for college work. Validation of high school English. Practice in informal and formal writing and speaking. Use of the library and reference books. Writing of documented course reports and papers. Qualified students may do imaginative or journalistic writing. Course work is designed to meet the needs of individual students. All writing is done under supervision. Six hours a week in laboratory is considered average for completing the required course in a year, though students who enter with deficiencies in English will be expected to spend additional hours. Students with superior preparation should finish in one semester.

Prerequisite, placement tests. Six or more hours a week, one, two, four or six credits a semester until six credits have been earned.

105, 106. Contemporary Affairs.—

MR. BEEDON AND STAFF

A study of important national and international events about which the citizen must be informed. Students are expected to keep informed on political, social, scientific, literary and artistic developments through wide reading of newspapers, magazines,
and books. Lectures and conferences study the backgrounds necessary to a mature understanding of our changing world. Special instruction in reading is given to students who need it. Open to all students. May be started either semester. Two lectures and one or more conferences a week, as needed. Three credits each semester.

201, 202, 301, 302. Advanced Writing.—

MR. BEEDON, MR. BURG AND STAFF

Students indicate the type of writing they intend to do by adding one or two of the following letters to the course number. Sophomores elect 201, 202; upperclassmen, 301, 302.

A. Imaginative Writing. Instruction and practice in writing the type of literature that the student is reading. To be taken only in connection with a literature course.

B. Journalistic Writing. Instruction and practice in writing and editing news copy, writing headlines, evaluating news, and planning page layouts. Students learn to use both copyreader's and proofreader's symbols. Actual copydesk experience and editorial experience. Open only to staff members and workers on the Mac Weekly and The Mac.

C. Factual and Critical Writing. Instruction and practice in writing course papers and descriptive or critical articles. Students should enroll only if they are working on a definite course project or are planning to write for publication.

Prerequisite, instructor's permission. One manuscript conference a week and hours in the laboratory as necessary. One or two credits each semester, as earned. Students may continue the course as long as they show definite improvement in writing.

403. English Language.—

MR. WARD

Descriptive and historical studies of English grammar and vocabulary as related to current usage. Designed especially for prospective teachers of English. Members of the class are expected to assist in preparing exercises for course 103-104 and in coaching freshmen for English area tests.

Prerequisite, qualifying examination and ninety credits. First semester, two class hours and laboratory as necessary, two credits.

B. Literature in English

The aim of these courses is (1) to enable students to read with understanding and discrimination, (2) to acquaint them with the outstanding writers and their chief works in English or in translation, (3) to develop habits of critical analysis and a vocabulary for critical
description, (4) to relate the chief literary movements and periods to the social, philosophical, religious, and artistic progress of mankind. Attention is called to the following similar courses in other departments: French 305, Greek 311, Latin 306.

111-112. Introduction to the Humanities.—

**MR. COLEMAN AND STAFF**

Lectures and readings in literature, philosophy, religion, art and music. Within a chronological framework of Western World history are presented ideas and appreciations relevant to the understanding of contemporary culture. Student reports and discussion under student leadership in conferences. This course counts eight credits in literature and two credits in religion. It includes Religion 111-112.

Prerequisite, placement test in reading. One year, four lectures and two conferences a week, ten credits.

267, 268. The Art and Appreciation of Literature.—**MR. WARD**

Instruction and practice in critical reading of nineteenth and twentieth century literature. Section A is advised for English majors and minors, Section B for other students.

**A. Poetry and Criticism.** First semester, representative twentieth century British and American poets; second semester, representative nineteenth century British poets. Critical essays are read in connection with the poetry, and special attention is given to the vocabulary of criticism.

**B. Poetry, Fiction, and Drama.** Extensive reading in the literature of our own time with a view to developing interest and discrimination. Intensive reading of a few representative writers of the past.

Prerequisite, placement test in reading. One year, three hours a week, six credits.

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, three hours a week, four or six credits. The two extra credits are assigned to students who complete the conference work.
375-376. The English Novel.— Miss May
Its rise and development. First semester, Defoe to George Eliot; second semester, Hardy to the present.
Prerequisite or collateral, course 268. One year, three hours a week, six credits.

385-386. Modern Drama.— Miss May
Lectures and readings. First semester, recent British and Continental drama; second semester, Ibsen and Shaw.
Prerequisite, fifty-four credits. One year, two hours a week, four credits.

C. History of English Literature
The aim of this two-year comprehensive course is to intensify the objectives stated under B above by limiting them to English literature. It is required of English majors. Together with 267A, 268A it gives the student a complete picture of the history of English literature.

387, 388. English Literature, 750-1600.— Mr. Ward
First semester: Readings from Chaucer. Lectures and readings developing a knowledge of the periods from 750 to 1500. Second semester: Readings from Spenser and Shakespeare. Lectures and readings developing a knowledge of the period from 1500 to 1600. Students who desire to do individual work may add one or two of the following letters:
A. Old English D. Shakespeare.
B. Chaucer E. Drama to 1600
C. Spenser F. Selected Topics
Prerequisite, fifty-four credits. One year, six to twelve credits. Lectures and readings alone, three credits each semester. Individual work in connection with class work, one to three extra credits each semester. Alternates with course 389, 390.

389, 390. English Literature, 1600-1800.— Miss May
First semester: Readings from Jonson, Donne, Milton, Dryden and their contemporaries. Lectures and readings developing a knowledge of the period from 1600 to 1700. Second semester: Readings from eighteenth century classic and preromantic writers. Lectures and readings developing a knowledge of the period from 1700 to 1800. Students who desire to do individual work may add one or two of the following letters:
A. Drama after 1600 D. Classic Writers
B. Donne and His Contemporaries E. Preromantic Writers
C. Milton F. Selected Topics
Prerequisite, fifty-four credits. One year, six to twelve credits. Lectures and readings alone, three credits each semester. Individual work in connection with class work, one to three extra credits each semester. Not offered 1942-1943.
French

PROFESSORS FICKEN AND SUNDHEIM

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 306.

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 330 should be preceded by course 301-302, except by permission of the department.

101-102. Elementary French.— MR. FICKEN
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.— MISS SUNDHEIM
Review of grammar, composition, oral work and the reading of modern French texts. Course 306 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.

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 con-
versation and presentation of plays. Should be taken before the senior year. Speech 200 and, if possible, 205 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.

305. French Literature in Translation.—Miss Sundheim
A study of the lives and works of the most important French writers for those who do not read French. Lectures, readings and discussion. This course does not count toward a major or minor in French.

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

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

Second semester, four hours a week, three or four credits.

316. The Modern Novel.—Miss Sundheim
Extensive reading of prose from Balzac to the present time.
Second semester, three hours a week, three credits. Not offered 1942-1943.

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

333. French Composition.—Miss Sundheim
A review course, primarily for seniors who intend to teach French.
First semester, three hours a week, three credits.

401R. Senior Studies.—
By special arrangement with the department advanced students may undertake individual or group projects in courses not currently offered. Typical of such areas are the following:
Eighteenth Century Prose.
Romantic Literature.
Seventeenth Century Drama.
French Poetry.

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. Physical Geology.—
A study of the forces at work within and upon the surface of the earth and the processes by which they have produced the present structure and topography constituting our physical environment. Local field trips are made for the study of geologic phenomena.
First semester, three lectures a week, three credits; or with a two-hour laboratory period, four credits.

102. Historical Geology.—
This is a study of the history of the earth and of the life that has lived upon it. Special emphasis is placed upon the history of North America. Field trips are made for the collection and study of fossils as the documents of the life history of past ages.
Second semester, three credits, three lectures a week; or, with a two-hour laboratory period, four 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.

251, 252. Plane Surveying.—
This course includes a study of the fundamental principles and methods involved in the problems of plane surveying, and the adjustment, use, and care of the instruments with which that type of surveying is carried on. The work involves the measurement of distances and angles both horizontal and vertical; differential and profile leveling; traverse surveys; triangulation; laying out curves; mapping with the plane table; topographic surveys; earthwork; and the determination of a true meridian.
Prerequisite, plane trigonometry. One lecture and seven hours field or laboratory a week, six credits.
303. Vertebrate Paleontology.—
A study of the origin and development of the ancestral mam­
mals 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 ac­
quainted 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
two-hour laboratory or field period a 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 or Economics 232. First semester, three hours
a week, three credits.

306. Fossil History of Man.—
This course deals with the general problems of physical an­
thropology and fossil evidences relating to pre-historic man,
and the origin and development of the present races.
Prerequisite, fifty-four credits. Second 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
Professor Carleton and Mr. Mitau

101-102. Basic German.—
A thorough study of vocabulary, grammatical analysis and the
technique of translation. Graded reading materials from the
Humanities, Social Studies, and Natural Sciences form the
textual basis of the course and the acquisition of a good reading
ability is the final objective. This course is intended for students who have had no German or for those whose knowledge of the language is insufficient to admit them to advanced courses.

In recognition of the fact that the development of language ability is a slower process with some students than with others the work of 101 may be spread over the first three semesters. The distribution of credits over these semesters will be one, one, two. Admission to the course may be gained only through the approval of the student’s adviser and that of the German department. No credits are given in this course until it and course 102 have been successfully completed. Registration number is: 101R.

One year, five hours a week, eight credits.

201-202. An Introduction to German Literature.—
An elementary survey designed to provide an exploratory knowledge of German literature and to advance the reading ability of second year students.
Prerequisite, course 102 or by permission. One year, four hours a week, eight credits.

205, 306. Scientific and Medical German.—
Reading material from the physical, biological and medical sciences forms the basis for a thorough study of vocabulary and translation technique. This course is recommended for Group III majors and pre-medical students.
Prerequisite, course 102. One to two hours a week, one to two credits a semester. A maximum of eight credits allowed in this sequence.

209R. Readings in Fields of Major Interest.—
In this course the student chooses the field in which he wishes to read. In consultation with the German department and major adviser materials are selected best suited to equip and promote his major interests. A maximum of two credits per semester or a total of four credits are obtainable in this course.
Prerequisite, course 102 or by permission. Either semester, one or two hours a week, one or two credits.

309R. Readings in Fields of Major Interest.—
This course differs from 209R only with respect to the difficulty of the material to be read. A maximum of eight credits (four semesters) may be obtained through registration in this course.
Prerequisite, course 202 or four credits in 209R. Either semester, one or two hours a week, one or two credits.
401R. Senior Studies.—
The following subjects may be elected for study by students who wish a major in German or who for other reasons wish to continue their study in their senior year. Sixteen credits in German courses above 102 are necessary for admission to these courses:

Advanced Composition and Essay Writing.
History of German Literature.
The Age of Goethe.
German Literature of the 20th Century.
Lyric Poetry.
The German Drama.

Credits and hours to be arranged.

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, vocabulary, 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 1942-1943.
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.

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, Wood, Nichols, Moore and Mr. Waite

A major in History consists of twenty-four credit hours including courses 101-102, 203-204 and four semester courses numbered 300 or above, selected with the approval of the department.

The following courses are recommended: Economics 231-232; English 267, 268; Philosophy 311-312, 331; Political Science 209-210, 301; Religion 312 and Sociology 203-204.

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

101-102. Rise of Modern Europe.—
Mr. Holmes and Mr. Nichols
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. Only freshmen entering in February will be permitted to start this course the second semester.
One year, three hours a week, six credits.

101-104. Rise of Modern America.—
Mr. Holmes, Mr. Nichols and Mr. Wood
This course is designed as a part of the Citizenship Sequence for those freshmen who do not wish to major or minor in History but who wish to make a brief survey of American History from the Colonial Period to the present. In exceptional cases credit may be granted by the department for 104 without 101.
One year, three hours a week, six credits.
201, 202. English History.—Mr. Holmes
A survey of the economic, political, religious and social life of the English people from the fifth century to the present. In addition to presenting the rise of modern England and the British Empire, the course affords a background for the study of English literature, English constitutional history and early American institutions. First semester to 1603.
One year, three hours a week, six credits.

203-204. The United States from Colonial Times to the Present.—Mr. Wood
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, three hours a week, six credits.

301, 302. Ancient Civilization.—Mr. Moore
The life, thought and institutions of the ancients are examined with special reference to the contributions they have made toward the development of our own civilization. An opportunity is afforded for extensive reading in contemporary works although a knowledge of Greek and Latin is not required. The civilization of the Greeks is considered in the first semester, that of the Romans in the second.
Prerequisite, fifty-four credits. One year, three hours a week, six credits.

303. Medieval Civilization.—Mr. Holmes
The development of European culture from the decline of the Roman Empire to the end of the fifteenth century.
Prerequisite, fifty-four credits. First semester, three hours a week, three credits. Alternating with course 307. Offered 1942-1943.

304. Europe from the Renaissance to the French Revolution.—Mr. Holmes
An advanced study of selected significant trends and movements.
Prerequisite, fifty-four credits, including course 101-102. Second semester, three hours a week, three credits. Alternating with course 308. Offered 1942-1943.

305. Europe from 1871 to the Present.—Mr. Holmes
This course is identical in content and method with course 308.
Prerequisite, fifty-four credits, including course 101-102 or with the consent of the instructor. First semester, three hours a week, three credits. Offered 1942-1943.
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 303, 304. Not offered 1942-1943.

311. Recent American History.—MR. WOOD

This course traces the rise of modern progressive movements in the United States, the growth of social reform legislation, the handling of the immigration problem and the development of American foreign policy from 1900 to the present. It reviews post-war social and economic adjustments and the problem of international cooperation.

Prerequisite, fifty-four credits and course 204 or consent of the instructor. First semester, three hours a week, three credits.

313. American Diplomatic History.—MR. WOOD

A survey of the foreign relations of the United States with emphasis on the background of present day policies and the significance of public opinion in the development of those policies.

Prerequisite, fifty-four credits and course 204. First semester, three hours a week, three credits. Alternating with course 319. Not offered 1942-1943.

318. Latin America.—

A study of the rise and development of the Latin American republics from colonial times to the present. Special emphasis is placed on social development and on relations with the United States.

Prerequisite, fifty-four credits and course 204 or consent of instructor. Second semester, three hours a week, three credits.

319. Constitutional History of the United States.—MR. WOOD

A study of the background of the Declaration of Independence, the articles of Confederation and the Constitution. The course also traces the subsequent development and modification of the Constitution through amendments, tradition and court decision. Special attention is directed to the origin and settlement of constitutional controversies.

Prerequisite, fifty-four credits and course 203-204. First semester, three hours a week, three credits. Alternating with course 313. Offered 1942-1943.
320. Recent Far Eastern History.— MR. WOOD
Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.

322. The History of Christianity in Modern Europe.— MR. NICHOLS
The growth of Christian life and institutions in the last three hundred years and their interrelations with the forces of Western secular history. This is an intensive study of Christianity as a factor in modern European history and as such covers essentially different ground from other advanced History courses which treat the same period. Consequently it is recommended for students who may have completed History 304, 305, 307, or 308.
Prerequisite, fifty-four credits and course 101-102. Second semester, three hours a week, three credits.

401, 402. Individual Course.— MR. HOLMES, MR. WOOD AND MR. NICHOLS
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 462.

Latin
PROFESSOR PALMER
A major in Latin consists of twenty credits of which fourteen must be in five courses, numbered 300 or above. A minor consists of twelve credits of which six must be 300 courses. Students who desire a recommendation for teaching Latin are strongly urged to take courses 212, 309 and Education 458. 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, 302 and Philosophy 311. Course 101-102 is not counted toward a major or minor.
Home Economics
INSTRUCTORS FISH AND TOOP

Many students who come to a Liberal Arts college wish to take courses which offer preparation for personal, home, and family living, as well as to take advantage of the cultural training available. To meet the needs of such students, Macalester College is offering a number of elective courses in Home Economics to both men and women. The courses offered in this field may be chosen also as a "minor" and the first two years of a "major." The subjects recommended for a "major" are so planned that students can transfer after two years with the necessary credits to the University of Minnesota or to other institutions offering majors in home economics.

In the minor course, subject matter will be presented which should help students to take their places in family and community life with a greater degree of confidence. Courses will deal with the food and clothing needs of a family, with the management, equipment, and furnishing of a home, with family health, income management, consumer education, and preparation for marriage and parenthood. Any of the courses in Home Economics may be elected and a sufficient number are provided to complete the requirements of a minor.

In the major course, the students may in the freshman and sophomore years earn credits which can be transferred to the University of Minnesota or other institutions of higher education where training may be completed for the following fields open to professionally trained women: related art; child development; foods and nutrition; dietetics; home economics education; home equipment; home management; housing; institution management; textiles and clothing; textile chemistry; home economics in journalism.

For a minor in Home Economics, courses may be chosen from the following groups of subject matter. A minor consists of 12 semester hours of credit. Some credit should be chosen from each group during the course of the four years. These courses are open to all college students as electives, and may be used for minor credit which leads to a Bachelor of Arts degree.

The Family:
*Personal Relationships. (For Freshmen only.) ............. 2 credits
*Family Relationships ............................................. 3 credits
Child Development ............................................. 3 credits

(OVER)
For a major in Home Economics the curriculum for the freshman and sophomore years, leading to a bachelor of science degree with a home economics major and requiring transfer for the junior and senior years to the University of Minnesota or other professional schools, is as follows:

**Freshman Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Credits</th>
<th>Semester II</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English 103</td>
<td>3</td>
<td>English 104</td>
<td>3</td>
</tr>
<tr>
<td>Personal Relationships</td>
<td>2</td>
<td>Clothing Choice and Care</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Nutrition</td>
<td>2</td>
<td>Psychology 201R</td>
<td>3</td>
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<tr>
<td>Biology 101 or Physics 201</td>
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<td>Biology 102 or Physics 202</td>
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<tr>
<td>Chemistry 101 (Inorganic)</td>
<td>4</td>
<td>Chemistry 102 (Inorganic)</td>
<td>4</td>
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<tr>
<td>Physical Education 101</td>
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<td>Physical Education 102</td>
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<tr>
<td>Physical Education 103</td>
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</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Credits</th>
<th>Semester II</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Preparation</td>
<td>4</td>
<td>Psychology 306 (Developmental)</td>
<td>3</td>
</tr>
<tr>
<td>Biology 204R (Human Physiology)</td>
<td>3</td>
<td>Child Development</td>
<td>2</td>
</tr>
<tr>
<td>Psychology 305 (Developmental)</td>
<td>3</td>
<td>Philosophy 220R</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 307 (Organic)</td>
<td>4</td>
<td>Chemistry 308 (Organic)</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>Electives</td>
<td>4</td>
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<tr>
<td>Physical Education</td>
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<td>Physical Education</td>
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<tr>
<td></td>
<td>17</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>
101-102. Elementary Latin and Caesar.—
A study of Latin grammar with the reading of easy Latin and Caesar.
One year, five hours a week, eight credits.

201-202. Intermediate Latin.—
Selections from the orations of Cicero and Vergil's Aeneid. A brief study of the lives of the men and the historical background of their writings. No credit is given for one semester unless the student offers three years 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.—
Life and customs of the ancient Romans. No knowledge of the language is required.
Prerequisite, twenty-four credits or permission of instructor. Second semester, two hours a week, two or three credits. Not offered 1942-1943.

213, 214. Translation Laboratory.—
A rapid reading course to develop speed and vocabulary.
Prerequisite, course 102 or two years of high school Latin. One year, two hours a week, two credits.

301, 302. Comedy, Livy.—
Representative plays of Plautus and Terence in the first semester. In the second semester selections from Livy are read with especial emphasis on the topography and growth of the city of Rome.
Prerequisite, four years of high school Latin or course 202. One year, three hours a week, six credits. Not offered 1942-1943.

306. Latin Literature in Translation.—
A study of the lives and writings of the chief Latin authors for those who do not read Latin.
Prerequisite, twenty-four credits or permission of the instructor. Second semester, three hours a week, three credits.

309. Composition.—
A review of Latin grammar in connection with prose composition.
Prerequisite, fifty-four credits and course 202 or equivalent. First semester, two hours a week, two credits.

311, 312. A History of Latin Literature.—
In the first semester the readings are selected from the prose writers and in the second from the poets.
Prerequisites, four years of high school Latin or course 202. One year, three hours a week, six credits. Not offered 1942-1943.
355, 356. Pliny, Tacitus.—
Selections from the letters of Pliny the Younger in the first semester. In the second, the Agricola of Tacitus and selections from his other writings.
Prerequisite, one year of Latin in courses numbered 300 or above.
One year, two hours a week, four credits.

357, 358. Catullus, Horace—Odes and Epodes.—
Prerequisites as above. One year, two hours a week, four credits.

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

Teachers' Course.—See Education 458.

Mathematics
Professor Camp and Mr. Wolf

All students who register for a freshman course in Mathematics are required to take a placement test. They are then advised to select from courses 101, 103, and 111, the one best suited to their ability as measured by the placement test.

A major in Mathematics consists of a minimum of 20 credits taken in courses listed in section A and numbered 200 or above. Math 102 or 104 counts toward a major or a minor if a grade of B or better is attained. For all students whose major is Mathematics, the Department recommends a supporting first minor in Physics or Chemistry, and a second minor in French or German.

A minor consists of twelve credits selected in the manner described in the preceding paragraph.

A. Mathematics

101-102. Elementary Analysis.—
A study of algebra, plane trigonometry, and analytic geometry.
One year, five hours a week, eight credits. Course 102 will count toward a major or minor if a grade of B or better is attained.

103-104. Elementary Analysis.—
This course is intended for those who show marked ability in mathematics as measured by the placement test. The course
covers essentially the same material as course 101-102 except that some of the review work in algebra is omitted.

One year, four hours a week, eight credits. Four credits may be applied on a major or minor if a grade of B or better is attained.

111, 112. Algebra, Trigonometry.—
This course is designed primarily for students who are in the lower fourth of the group taking the placement test in mathematics in the fall. After a thorough review of high school algebra, the course covers the essentials of college algebra and trigonometry and is designed to meet the mathematics prerequisites of a first course in chemistry or physics. Any student who completes the course and wishes to take advanced courses in Mathematics will be required to take course 102 as a prerequisite to all further work in Mathematics.

One year, four hours a week, three credits first semester, three or four credits second semester. If course 112 is taken for four credits it will include spherical trigonometry.

201-202. Calculus.—
The process of differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions; applications to geometry and physics; general methods of integration.

Prerequisite, course 102 or 104. One year, four hours a week, eight credits.

203. Spherical Trigonometry.—
The study of spherical triangles with applications to the celestial and terrestrial spheres.

Prerequisite, course 101, 103, or 112. First semester, two hours a week, two credits. If course 112 is taken for four credits, this course may be taken for only one credit.

303. Solid Analytic Geometry.—
Selected topics in plane analytic geometry; coordinate geometry of curves and surfaces in three-dimensional space, with emphasis on straight lines, planes and quadric surfaces.

Prerequisite, course 103 or 104. First semester, four hours a week, four credits. Alternating with course 307. Offered 1942-1943.

304. Theory of Equations.—
Complex numbers, numerical equations and their applications, constructions with ruler and compasses, determinants, and symmetric functions.

Prerequisite, course 202. Second semester, four hours a week, four credits. Alternating with course 308. Offered 1942-1943.
305. Mathematics of Investment.—
Simple and compound interest, annuities, amortization and sinking funds, valuation of bonds, elementary principles of life insurance.
Prerequisite, course 102 or 104. First semester, three hours a week, three credits. Alternate years. Offered 1942-1943.

307-308. Advanced Calculus.—
Partial differentiation with applications to the geometry of space; double and triple integrals, line integrals and Green's theorem, transformation of multiple integrals; differential equations; and introduction to complex numbers and the theory of functions.
Prerequisite, course 202. One year, four hours a week, eight credits. Alternating with courses 303 and 304. Not offered 1942-1943.

310. Analytic Mechanics (Statics).—
Concurrent forces, parallel forces couples, center of gravity, statics of rigid bodies, graphical methods, friction, work, moments of inertia. This course is also listed as Physics 310 and is intended primarily for the pre-engineering students.
Corequisite, course 202. Second semester, three hours a week, three credits.

401, 402. Seminar in High Mathematics.—
An opportunity is offered for students of merit to study in special fields not covered by the courses listed above.
One year, two credits.

Teachers' Course.—See Education 459.

B. Drawing and Descriptive Geometry

105-106. Drawing—
Elements of drafting including an introductory course in methods of representation, and constructive geometry. Graphs and formulas. Sketching, lettering, working drawings, conventions, standards, tracing, and blueprinting.
Prerequisite, solid geometry, four credits.

108. Descriptive Geometry.—
Elementary course in the methods of representation, correlated in part with analytical geometry. Graphical and algebraic solutions. Lectures, demonstrations, and drafting.
Corequisite, course 102 or 104. Second semester, two credits.
Music

PROFESSORS JENSEN, FENYVES AND JOHNSON

Music may be chosen as a major or a minor. In a major the maximum number of credits allowed is forty-four and the minimum number required is thirty. A minor requires a minimum of sixteen credits.

Minimum Requirements for a Major in Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>101-102</td>
<td>Elementary Harmony</td>
<td>4</td>
</tr>
<tr>
<td>103-104</td>
<td>Ear Training</td>
<td>2</td>
</tr>
<tr>
<td>201-202</td>
<td>Advanced Harmony</td>
<td>4</td>
</tr>
<tr>
<td>203-204</td>
<td>Musical Literature of the 18th and 19th Centuries</td>
<td>6</td>
</tr>
<tr>
<td>301</td>
<td>Harmonic Analysis</td>
<td>2</td>
</tr>
<tr>
<td>302</td>
<td>Form</td>
<td>2</td>
</tr>
<tr>
<td>307-308</td>
<td>History of Music</td>
<td>4</td>
</tr>
</tbody>
</table>

In addition to the above, a minimum of six credits is required in any one of the subjects listed under APPLIED MUSIC. CREATIVE STUDIES IN MUSIC may be elected in lieu of APPLIED MUSIC. In such case four credits in COUNTERPOINT and four credits in COMPOSITION are required.

Minimum Requirements for a Minor in Music

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>101-102</td>
<td>Elementary Harmony</td>
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<td>103-104</td>
<td>Ear Training</td>
<td>2</td>
</tr>
<tr>
<td>203-204</td>
<td>Musical Literature of the 18th and 19th Centuries</td>
<td>6</td>
</tr>
</tbody>
</table>

In addition to the above, a minimum of four credits is required in any one of the subjects listed under APPLIED MUSIC.

Requirements for a Major in Music Education

A major in Music Education may be attained at the close of the Senior year, upon completion of the special requirements and courses listed below, in addition to those demanded for a Major in Music, with applied concentration in Instrumental Ensemble and/or Choral Ensemble.


(b) 1. With applied concentration in Instrumental Ensemble—adequate knowledge of orchestral strings and proficiency in the playing of a chosen instrument, both determinable by examination.

2. With applied concentration in Choral Ensemble—adequate knowledge of piano and voice, both determinable by examination.

Eligibility for the Minnesota Special Certificate in Public School Music is established on the satisfactory completion of the requirements for a Major in Music Education above set forth. The holder of this certificate is legally qualified to teach or to supervise the teaching of Music in the elementary and secondary schools within the state and to teach academic subjects for which the candidate has State endorsement.

Bachelor of Music Degree

The college will confer the BACHELOR OF MUSIC degree on any candidate who has met the special requirements prescribed. A statement of these requirements is obtainable from the Music Department upon request.

Electives

Any subject offered in the Music Department may be chosen as an elective provided that prerequisites, if any, have been completed.
COURSES OF STUDY

1. THE THEORY OF MUSIC

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

103-104. **Ear Training.**— MR. JENSEN
Open only to students who are registered for Music 101-102, or who have previously completed that course. One year, one hour a week, two credits.

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

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

302. **Form—homophonic; polyphonic.**— MR. JENSEN
Prerequisite, course 301, or permission of instructor. Second semester, two hours a week, two credits.

309. **Twentieth Century Harmony and Form.**— MR. JENSEN
Prerequisite, courses 301 and 302. First semester, one hour a week, one credit.

2. THE HISTORY AND LITERATURE OF MUSIC

203-204. **Musical Literature of the 18th and 19th Centuries.**— J. S. Bach to Richard Strauss.— MR. JENSEN
One year, three hours a week, six credits.

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

310. **Musical Literature of the 20th Century.**— MR. JENSEN
Prerequisite, course 309. Second semester, one hour a week, one credit.

3. CREATIVE STUDIES IN MUSIC

303-304. **Counterpoint—strict counterpoint; free counterpoint; the invention.**— MR. JENSEN
Prerequisite, course 202, or permission of instructor. One year, two hours a week, four credits.

305-306. **Composition—canon and fugue; composition in the freer forms.**— MR. JENSEN
Prerequisite, courses 302 and 304. One year, two or four hours a week, four or eight credits.
4. APPLIED MUSIC

105, 106. Choral Ensemble.— Mr. Johnson
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 College 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 Concert Band.
One year, three hours a week, two credits.

311-312. Orchestral Strings.— Miss Harris
Open only to students electing Public School Music.
One year, one hour a week, no credit.

Individual Instruction.—
Piano Violin
Organ Cello
Voice Orchestral wind instruments
Each, one period a week, one credit a semester.

5. MUSIC EDUCATION

Teachers' Courses in Public School Music.—

6. APPRECIATION

251R. Music Appreciation.— Mr. Jensen
An introduction to the aesthetics of Music, and a survey of the Musical Literature of the Western World from the eighteenth century to contemporary times.
Prerequisite, twenty-four credits or consent of instructor. Either semester, two hours a week, two credits.

NOTE For information concerning the Conservatory of Music please refer to pages 121-122 of this bulletin.
Philosophy

Professors Brown and Norborg

A major in this department must include courses 205, 209, 220, 311-312. A minor must include courses 209, 220, 311-312.

205R. Ethics.— Mr. Norborg
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.

209R. Logic and Scientific Method.— Mr. Brown
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.
Either semester, three hours a week, three credits.

220R. Introduction to Philosophy.— Mr. Brown
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 to help the student in some constructive thinking about them.
Either semester, three hours a week, three credits.

311-312. History of Philosophy.— Mr. Brown
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 Descartes. Credit is given for either semester.
Prerequisite, fifty-four credits. One year, three hours a week, six credits.

326. Philosophy of Religion.—
On the nature and philosophic implications of religion, but with particular reference to the Christian view of the world.
Prerequisite, fifty-four credits. Second semester, two hours a week, two credits.

331. Philosophy of History.— Mr. Norborg
A critical analysis and evaluation of the mythological, religious naturalistic, idealistic, totalitarian and the democratic interpretations of history.
Prerequisite, fifty-four credits. First semester, two hours a week, two credits.
340. The Philosophy of Plato.— Mr. Norborg
A concentrated study of the Platonic dialogues with special reference to the character of Socrates and later to the analysis of the unity of the thought of Plato.
Prerequisite, fifty-four credits and consent of instructor. Second semester, three hours a week, three credits.

403, 404. Individual Course.— Mr. Brown and Mr. Norborg
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, 352 and 411R; Mathematics 202; 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 352.

The requirements in Physics for general science teaching and for pre-medical and pre-dental courses are fulfilled by course 201-202. Students in the Department of Music should register for course 101-102. Students preparing to enter a college of engineering should complete courses 201-202, 221, 301, and 302.

101-102. Sound.—
A course designed primarily to meet the requirements of the Department of Music, but open to all students. The purpose of the course is to give a basic training in modern theory of sound and its applications. Students will perform fundamental experiments throughout the course. For students whose major is Music this satisfies the laboratory course requirement for graduation.
One year, three 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. Development of analytical reasoning is stressed. All succeeding work in physics is based on this course.
Prerequisite, Mathematics 102 or three units of high school Mathematics. One year, three lecture 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. Theory and methods of modulation are emphasized.
Prerequisite, course 102 or 202. First semester, two recitations and two two-hour laboratory periods a week, four credits.

301. Mechanics and Thermodynamics.—
An introduction to analytical mechanics and classical thermodynamics. Attention is given to such subjects in mechanics as statics of rigid bodies and dynamics of particles, and in thermodynamics to the theory of cyclic processes. Some of the subjects covered in laboratory work are motion of projectiles, moment of inertia, viscosity, harmonic motion, specific heats and continuous flow calorimetry.
Prerequisite, course 202 and Mathematics 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, electromagnetic induction, interferometry, diffraction, and radiation. In the laboratory, 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 and Mathematics 202. Second semester, two recitations and two two-hour laboratory periods a week, four credits.

352. Atomic Physics.—
A survey of the developments in modern atomic physics which have been so important in recent years. Among the subjects considered are kinetic theory, radiation theory, quantum theory, spectroscopy, x-rays, the periodic system, radioactivity, and relativity.
Prerequisite, course 202. Second semester, four hours a week, four credits.

411R. Advanced Experimental Physics.—
In this course the student is allowed to carry on experimentation in some particular field of his own choosing, subject to the approval of the head of the department. The aim of such a
course is to 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.

**Political Science**  
**Professor Boggs and President Turck**

A major in Political Science consists of at least twenty credits, and must include courses 209-210 and 351 or 352. A minor consists of twelve credits and must include courses 209-210 and 351 or 352. Majors are also expected to obtain credit for the basic courses in Economics, History, and Sociology.

An inter-departmental major in Economics and Political Science is also offered. Such a combined major consists of twenty-six credits in the two departments, and must include Political Science 209-210, Economics 231-232, and at least one course numbered 300 or above from each department.

209-210. **American Government.**—  
Mr. Boggs

The role of government in American society is studied, with emphasis upon constitutional traditions and their adaptation; the formulation and execution of public policy through legislatures, executives, and courts; and through political parties, elections, and informal pressures.
Prerequisite, twenty-four credits or consent of instructor. One year, three hours a week, six credits.

301. **Comparative Government.**—  
Mr. Boggs

A study is made of the major European political systems, with attention to political tactics, the modification of formal organization by governmental custom, the bases of political power, democracy versus dictatorship, crisis government.
Prerequisite, course 209-210. First semester, three hours a week, three credits.

305-306. **An Introduction to the Social Sciences.**—  
Messrs. Boggs, Cornell and Young

A survey of the economic, political, and sociological institutions, forces, problems and principles of contemporary society. This course is designed to give intelligent background for the exercise of the responsibilities of citizenship, and is intended for those who do not plan to major in one of the social sciences.
Prerequisite, twenty-four credits (first semester, four hours a week; second semester, five hours a week). Three credits to each of the following departments: Economics, Political Science and Sociology.
308. Public Administration.— MR. BOGGS
The nature of the administrative process in modern government; problems of organization and reorganization, personnel, the civil service, budgeting and finance; survey of operating agencies and governmental services.
Prerequisite, course 209. Second semester, three hours a week, three credits. Not offered 1942-1943.

312. Politics, Parties and Public Opinion.— MR. BOGGS
The formation of public opinion, the nature and sources of political propaganda, the activities of political parties and pressure groups in the United States, the conduct of elections.
Prerequisite, course 209. Second semester, three hours a week, three credits.

351. International Politics.— MR. BOGGS
Analysis of international relations in terms of international institutions and procedures, national policies and forces, the causes of war and the conditions of peace. Designed to provide the student with tools for understanding the fundamental principles and problems of international phenomena.
Prerequisite, thirty credits and consent of instructor. First semester, three hours a week, three credits.

352. The United States, the War and the Peace.—MR. BOGGS
This analysis of American foreign policy in the contemporary world crisis includes such topics as: the nature and conditions of American policy; the relation of the United States to Europe, the Western Hemisphere, and the Far East; the bearing of morale, allies, economic policy, armaments, and strategic situation on the conduct of the war; programs of post-war reconstruction and American policy toward the future peace settlement.
Prerequisite, thirty credits and consent of instructor. Second semester, three hours a week, three credits.

357. Introduction to Political Philosophy.— MR. TURCK
Study of the main problems of political values and their implementation, as discussed in the classics of the great political thinkers.
Prerequisite, course 209 and consent of instructor. First semester, three hours a week, three credits.
358. Selected Problems in Modern Political Philosophy.—

MR. TURCK

An examination of the function of law in the modern state, the concept of sovereignty, the basis of rights and obligations, the nature of justice and the operation of the judicial process.

Prerequisite, two courses in Political Science and consent of the instructor. Second semester, three hours a week, three credits. Not offered 1942-1943.

364. International Law.—

MR. BOGGS

A study of the function of law and organization in the international community, with special emphasis upon the fundamental nature of such law and its relation to the problems of war, peace and neutrality.

Prerequisite, course 351 or 352. Second semester, three hours a week, three credits. Not offered 1942-1943.

451. Seminar in Government.—

MR. BOGGS

Conferences and reports based on independent work in selected fields of Political Science.

Prerequisite, adequate preparation in Political Science and related fields, both as to quantity and quality. First semester, two hours a week, two credits.

491-492. Community as a Laboratory.—

MR. BOGGS

Identical with Economics 491-492 and Sociology 491-492. Conferences, reports, readings, seminars and field investigations dealing with the economic, political and social phenomena in the Twin Cities metropolitan region.

Open to seniors with the permission of the instructors. One year, two, four or six credits (not more than two credits in Political Science).

Courses in other departments of special interest to students of Political Science include: Economics 231-232, 338, 342, 376; History 307, 308, 313; Sociology 203-204, 301, 303.

Psychology

PROFESSORS FRANKLIN, REPLOGLE AND A. S. NICHOLS

A major in this department consists of at least twenty credits, including courses 202R and 310. Biology 204 is required. Biology 303, Economics 240 and Education 307 are recommended.

For a minor at least twelve credits are required, including course 202R.

Other courses for which credit is given in this department are: Education 300R and Religion 336. Either of these may be counted toward a minor in Psychology or both toward a major.
201R. **General Psychology.**— Mr. Nichols
A sketch of the principles and applications of normal human psychology. An attempt is made to aid the student to a more intelligent understanding of his own problems, and of human conduct in everyday 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.

202R. **Advanced General Psychology.**— Mr. Franklin
A detailed and thorough study of the present status of modern scientific knowledge of human nature and behavior. An impartial position is assumed with regard to contending views and schools of thought. Textbook, lectures, discussions, collateral reading and experimental work. Required of majors and minors in the department. Strongly suggested for those majoring in allied departments.
Prerequisite, twenty-four credits, including Psychology 201 (with grade of C or better). Either semester, three hours a week, three credits.

305-306. **Developmental Psychology.**— Mr. Franklin
A thorough survey of the individual from prenatal life to old age. First Semester: Study of heredity, prenatal life, infancy and childhood, based upon textbook, lecture material, and observation and report on individual children.
Second Semester: Adolescence, maturity and senescence; typical reactions and conflicts of the periods; social and cultural influences.
Prerequisite, course 201R. One year, three hours a week, six credits. Both semesters required for credit.

307. **Applied Psychology.**— Mr. Replogle
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.**— Mr. Franklin
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.— MR. FRANKLIN
A study of personality development and adjustment; wholesome and unwholesome methods of meeting conflicts; introductory consideration of personality measurement and mental hygiene. Special reference to application of principles to youth problems and fields of vocational choice.
Prerequisite, fifty-four credits, including six in Psychology. First semester, three hours a week, three credits.

314. Abnormal Psychology.— MR. FRANKLIN
Relation of normal to abnormal behavior; history of theory and treatment of the abnormal; disorders of sensation, perception, association and motor reaction; mental defect and the chief nervous and mental diseases. Theories of causation and methods of treatment; field trips to institutions.
Prerequisite, fifty-four credits, including courses 201R and 313. Second semester, three hours a week, three credits.

401, 402. Individual Course.— MR. FRANKLIN
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.

Religion
PROFESSORS KAGIN, McLEAN, CLARK, COLEMAN AND J. H. NICHOLS
The work of the department is divided into four sections as follows: A, English Bible; B, History and Philosophy of Christianity; C, the Church at Work; and D, Creative Religious Living.

Required Courses: The college expects all candidates for graduation to have a knowledge of the English Bible and various aspects of religious life and thought. Eight credits are required for graduation. At least six credits must be earned from courses offered in Section A, unless the student passes a general examination in English Bible given by the department.
Minor: The purpose of the minor is to equip the student for lay leadership in the Christian Church. Twelve credits must be earned in addition to courses 103 and 105. Eight of these credits should be earned in courses offered in sections B, C, and D, and must include 342.

Major: The department makes provision for those who wish to make an intensive study of religion. Students should consult members of the department early in their college course for guidance in the selection of studies. In general, majors are of two types as follows:

A Pre-Theological Major which consists of twenty credits in addition to 103 and 105. It should include courses 201, 208 or 313, 336, and 341. Supporting courses required are Greek 101-102, 203-204, Sociology 203-204, Philosophy 311-312 and 326.

A Pre-Religious Education Major which consists of twenty credits in addition to 103 and 105. It should include courses 201, 208, 313 or 314, 341 and 342. Supporting courses required in other fields are Education 300R, Sociology 203-204, Psychology 305-306.

A. English Bible

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 and Mr. McLean
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.

151R. Religion and Life.— Mr. McLean
This course has been developed to assist students to understand their own religious backgrounds. By means of personal interviews and group conferences a reading program is developed for each student. The course is integrated around a study of the growth of religion in American life.
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, 105R. Either semester, two hours a week, two 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.

211-212. The Literary Study of the Bible.— Mr. Clark and Mr. Coleman
Prerequisite, twenty-four credits. One year, two hours a week, four credits.

B. History and Philosophy of Christianity

111-112. Our Christian Heritage (The Humanities).— Mr. Coleman and Mr. Nichols
This course is offered in cooperation with other departments in the Humanities. It aims to trace religious concepts and institutions. (See English department for description of the course.)
One year, two credits in Religion.

305. The Christian Church.— Mr. Kagin
This course traces the development of the Christian Church from the days of the Apostles to the present time. It studies in detail the different forms of Christianity found in America with the aim of developing an understanding and appreciation of their contribution to Christian thought and life.
First semester, three hours a week, three credits.
306. World Christianity.— Mr. Kagin
A survey course outlining the spread of Christianity throughout the world. Special attention is given to the leaders of the missionary movement and to current moral and religious problems in the non-Christian nations.
Second semester, two or three hours a week, two or three credits.

311. The Christian Philosophy of Life.— Mr. Kagin
This course aims to help the student re-examine his religious beliefs and clarify them in the light of present day knowledge. Such problems as science and religion, belief in God, the nature of man, sin, revelation, redemption, the church, and life after death are studied in detail.
First semester, two hours a week, two credits.

312. The Religions of the World.— 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.

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.

450. Fundamentals of Thought and Conduct.— President Turck and Mr. Kagin
This course is designed to draw the Citizenship Sequence of the college curriculum to a focus and is intended mainly for Seniors. Professors from various departments of the college are invited to lecture before the class. The aim is to discover the rational bases for making true judgments, the principles underlying moral and spiritual values, and the application of these principles to the great problems in our social, economic and political life. It is hoped that the student will be led to build for himself a workable Christian philosophy of life.
Second semester, one seminar a week, two hours, two credits.
338. The Nature of Religious Experience.— Mr. Nichols
A comparative study of the religious elements in the lives of Marcus Aurelius, Socrates, Augustine, Francis of Assisi, Blaise Pascal, Luther, Jonathan Edwards and others.
Second semester, three hours a week, three credits. Not offered 1942-1943.

C. The Christian Church at Work
313, 314. The Principles of Christian Social Action.— Mr. McLean
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.
Prerequisite, fifty-four credits. One year, two hours a week, four 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 techniques, 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.

D. Creative Religious Living
321. Creative Lives in Literature.— Mr. Clark
A study will be made of some of the world's literary masterpieces, such as Job, Odyssey, Agamemnon, Oedipus, Divine Comedy, Faust, Tempest, and Tragedy of Man. The course will include a study of the way the chief problems of life were met and mastered by heroic figures in the literature of every age.
First semester, three hours a week, three credits.
322. **Creative Lives in History.**— **Mr. Clark**

A report by students will be made of the lives of Lincoln, Pasteur, Madame Curie, Gandhi, Kagawa, Muriel Lester, George Washington Carver, and other creative persons of the past and present.

The fundamental laws underlying creative living will be carefully studied.

Second semester, three hours a week, three credits.

**401, 402. Individual Course.**—

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

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

Other courses for which credit is given in this department are Philosophy 205R and Philosophy 326. Credits earned in one of these two courses may be applied toward a major in Religion. They do not count toward a minor or toward the eight credits in Religion required for graduation.

**Secretarial Studies**

**Miss Adams**

The courses in Secretarial Studies are designed to prepare students for business careers. A limited number of students who plan to teach commercial education in high school are admitted to the curriculum set forth on page 52. Courses in shorthand and typewriting, which carry no academic credit, are offered as a service for students desiring these skills. Other courses listed below carry academic credit as stated. Students who pursue these courses with a view to teaching must elect their major in the Department of Economics. The courses are arranged to train students not only in technical efficiency, but in the basic principles that control the social organization of business.

**202. Business Correspondence.**—

Designed chiefly for those who plan to enter business or teaching. Students preparing to teach commercial subjects, should take this course in their sophomore year. The principles and techniques involved in the writing of all types of business letters and reports.

Second semester, two hours a week, two credits.
301. Office Machines and Management.—
The operation of business machines and the principles of office management.
Required of students preparing to teach commercial subjects in high school. First semester, two hours a week, two credits.

302. Secretarial Procedure.—
Practice and principles of secretarial procedure including instruction in letter organization and writing, the fundamentals of communication, business reports, the principles of indexing and filing, and knowledge of methods of duplicating and transcribing which are most frequently used in offices.
Prerequisite: ability to typewrite and permission of the instructor. Required of students preparing to teach commercial subjects in high school. Second semester, three hours a week, three credits.

Shorthand 1-2.—
Mastery of the fundamentals of the Gregg system of shorthand.
Prerequisite, junior standing. Required of students preparing to teach commercial subjects in high school. One year, four hours a week, no credit.

Shorthand 3-4.—
Advanced training in shorthand with special attention given to the development of speed and to forms of correspondence.
Prerequisite, Shorthand 1-2. Required of students preparing to teach commercial subjects in high school. One year, three hours a week, no credit.

Typewriting 1-2.—
First semester, basic instruction and practice in typewriting, with stress on accuracy and even touch typing. Second semester, advanced training in typing, emphasizing speed, increased accuracy, and the preparation of business reports and letters.
Prerequisite, junior standing. Required of students preparing to teach commercial subjects in high school. One year, four hours a week, no credit.

Typewriting 3-4.—
Advanced training in typing. Business letters, stencils, rough drafts, legal documents, and other business forms typed.
Prerequisite, Typewriting 1-2. Required of students preparing to teach commercial subjects in high school. One year, two hours a week, no credit.

Teachers' Course.—See Education 481.
Sociology
PROFESSORS CORNELL AND KOONTZ

A major consists of twenty credits including courses 203-204, 301, 303 and 308. Twelve credits are required for a minor including courses 203-204 and 301. Economics 240 and Psychology 313 may be offered for credit toward a major in this department. Courses 305-306 and 251R do not count toward a major or minor.

For students contemplating Social Work the following courses, in addition to a major in Sociology, are basic requirements: Economics 232, Political Science 209 and 210, Psychology 314. Recommended additional courses are: Biology 204 or 303, Economics 338, Education 300, Psychology 305-306, Speech 310 and Physical Education 353-354.

203-204. Principles of Sociology.— MR. CORNELL
The development of culture and social becoming; a consideration of the role of personality, population, social institutions, interactional processes and the problems and means of social control. Particular attention will be devoted to the concepts of Social Psychology; human nature, prejudice, fashion, crowd behavior, leadership, propaganda and public opinion.
Prerequisite, twenty-four credits or consent of instructor. One year, three hours a week, six credits.

250R. Know Your Community.— MRS. KOONTZ
This course consists of a first hand study of the Twin City Area to observe the communities of St. Paul and Minneapolis as a working whole, through visits to selected agencies, institutions, business and manufacturing establishments, government services in health, sanitation, education, recreation, transportation and communication services, population characteristics, housing, and special interest groups.
Either semester, two hours class, three to four hours trip. Transportation fee, $3.00. No text. Maps and outlines provided. Prerequisite, fifty-four credits.

251R. Community and Camp Leadership.—MISS SCHELLBERG
Identical with Physical Education, 251R.
Either semester, three hours class plus a minimum of two hours laboratory. Three credits in Sociology or in Physical Education, according to student's preference. Credits do not count toward a major or a minor in Sociology without the special approval of the Sociology Department.

301. 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 204. First 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 204. Second semester, three hours a week, three credits.

305-306. An Introduction to the Social Sciences.— Mr. Boggs, Mr. Cornell and Mr. Young
A survey of the economic, political and sociological characteristics, forces, problems and principles of contemporary society. This course is designed to give intelligent background for the exercise of responsibilities of citizenship and is intended for those who do not plan to major in one of the social sciences.
(One year, nine credits.) First semester, four hours a week, second semester five hours a week. Three credits to each of the following departments: Economics, Political Science and Sociology. Prerequisite, twenty-four credits and consent of the instructor.

308R. Marriage and the Family.— Mrs. Koontz
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 204, senior standing or consent of instructor. Either 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 204 or consent of instructor. First semester, three hours a week, three credits.

352. 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, course 301 and foundation courses. Second semester, class and field work, three credits.
401R. Individual Course.— Mr. Cornell and Mrs. Koontz
Open, with consent of instructor, to seniors of high rank whose
major is Sociology.
Either semester, two credits.

491-492. Community as a Laboratory.— The Staff
Identical with Economics 491-492 and Political Science 491-
492. Conferences, reports, readings, seminars and field investiga­
tions dealing with economic, political and social phenomena
in the Twin Cities metropolitan region.
Open to seniors with the permission of the instructors. One year, two,
four or six credits (not more than two credits to a department).

Teachers' Course.—See Education 462.

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

101-102. Elementary Spanish.—
Pronunciation, the essentials of grammar, elementary con­
versation 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.

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. Not offered 1942-
1943.

304. The Modern Spanish Novel.—
Mainly a study of the Novel of the 19th century.
Second semester, three hours a week, three credits. Not offered
1942-1943.
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
Professor Owen and Clark, Mr. Petzold,
Mr. Johansen and Mr. Paulu

The Department of Speech and Dramatic Art proposes specifically to acquaint and equip the student with the techniques and mechanics of sound speech habits and to enrich the student's background with cultural and artistic tastes and habits of tolerance which will enable him to live harmoniously in his community, a civilized human being, technically well prepared in the fields of speech and dramatic art, thoughtful, helpful, creative.

Majors and minors in speech and dramatic art are possible with departmental permission and include not only courses of theory but actual platform participation in the chosen field of endeavor.

Candidates for majors or minors in speech as a means of developing their creative and expresional powers share their speech education through the medium of public programs at departmental teas, recitals, formals, experimental plays, chapel, faculty clubs and major productions on the campus and programs at high schools, service clubs, radio stations, women's clubs, and churches off campus.

Four hours major work must be taken in the senior year.

Major: Twenty-four credits.
Minor: Fifteen credits.


Communications Laboratory.— MR. PETZOLD AND STAFF
A work course of individual conferences designed to bring all students up to college level in oral articulation. Examinations are given in (1) Speech mechanics (Pronunciation, enunciation, correct breathing); (2) oral reading; (3) conversation. Extra curricular activity, based on individual interests and needs is motivation for much of the training in these areas. See English 103-104.

200R. Speech Fundamentals.— MR. PETZOLD
A course in the fundamentals of the theory and practice in voice production techniques and psychology of speech as related to social behavior and mental hygiene.

Emphasis placed on the establishment of the sound speech habits of good diction, audience control, personal poise and breath control.

Prerequisite. Speech areas English 103-104 or instructor's permission. Either semester, three recitations, one laboratory per week, four credits.

A. Debate and Oratory

211. Argumentation and Debate.— MR. JOHANSEN
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 200R. First semester, three hours a week, three credits.

212. Argumentation and Debate.— MR. JOHANSEN
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 inter-collegiate debating and persuasion are made a substantial part of the course. Recommended especially for pre-law students and inter-collegiate debaters.

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

302. Extempore Speaking.— MR. CLARK
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 200R. One year, three hours a week, six credits.

305-306. Forms of Public Address.—

MR. JOHANSEN

A study of advanced principles of speech composition and delivery. The psychology of the audience. The occasional address. Forensic and political oratory.

Prerequisite, course 200R. One year, three hours a week, six credits.

B. Interpretation and Dramatic Art

201-202. Interpretation.—

MISS OWEN

A course in the techniques of oral interpretation, and voice techniques, analization and adaptation of prose and poetry, memorization, program building, and presentation as they concern the areas of reading aloud to others formally and informally.

Prerequisite, course 200R. One year, two hours a week, four credits.

203-204. Choral Reading.—

MISS OWEN

Analysis and interpretation of literature for group reading and program presentation.

Prerequisite, course 200R and instructor's permission. One year, two hours a week, one credit.

205. Fundamentals of Acting.—

MISS OWEN AND STAFF

A course in the analysis of the acting tools as they concern the areas of concentration, memory of emotion, dramatic action, characterization, observations, and rhythms, pantomimes and improvisations, acting of dramatic scenes from classical and modern plays.

Prerequisite, instructor's permission. One semester, three hours, three credits.

303-304. Public Reading.—

MISS OWEN

An advanced course designed for those who wish to read in recital. Emphasis on techniques of public presentations, readings, adaptations of short and long plays both classical and modern. Field trips to specified public-reading-presentations integral parts of the course.

Prerequisite, course 202 and instructor's permission. One year, two hours a week, four credits.
309-310. Stage Craft.— MR. PETZOLD
A course in modern theater practices comprising the related parts of lectures, laboratory, crews. Lectures, on scenery, costuming, directing, lighting, make-up, are supplemented by an equal number of laboratory sessions devoted to demonstrations of principles discussed in lectures and by practical experience on major production crews and experimental projects of the department. Field trips to specified amateur, legitimate, and cinema presentations are integral parts of the course.
Prerequisite, 202, 211, or 212, and instructor's permission. One year, two lectures, two laboratory periods a week, six credits.

311. History of the Theatre.— MISS OWEN
History of the drama and the theatre from the ritualistic dances to the modern stage production. Designed to acquaint the student with the contemporary stage. Field trips to museums and legitimate and cinema presentations are integral parts of the course.
Prerequisite, course 200R and instructor's permission, two hours a week, two credits. Not offered 1942-1943.

401-402. Seminars.— MISS OWEN, MR. PETZOLD, STAFF
Seminars in the six phases of theatre production. During one semester, students plan, direct, and execute in terms of their major interests; the other semester they present adequate demonstrations in the field of directing. All work is on a creative basis.
Prerequisite, instructor's permission. One year, two hours a week, four credits.

C. Radio

218. Radio Appreciation.—
Designed for those who wish to acquire an understanding of the speech technique of radio production. Emphasis is placed on building a discerning and discriminating audience through participation, field trips and listening assignments.
Prerequisite, course 200R and instructor's permission. Second semester, three hours a week, three credits.

317. Radio Workshop.—
A laboratory course in the demonstrations of radio techniques in the field of radio acting, radio discussion, radio script writing, and radio program building.
Prerequisite, course 218 and instructor's permission. First semester, three hours a week, three credits.
318. Radio Production.—

An advanced course in actual radio production. Students in this course are expected to direct, to write, and to help build departmental and college radio programs.

Prerequisite, 303 and instructor’s permission. Second semester, three hours a week, three credits.

Teachers’ Course.—See Education 451.

National Defense Courses

Civil Aeronautics.—Flight training under the Civil Aeronautics Program of the United States Department of Commerce.

In cooperation with the National Defense Program of the government, Macalester College in the fall of 1940 instituted an approved flight training course under the Civil Aeronautics Authority. Under the present contract the course will be offered each semester for twenty selected male students of at least sophomore standing. There are no prerequisites, but one year of mathematics and physics is desirable. Students presenting credits in these subjects will be given first consideration.

The course is divided into Ground School instruction, held on the campus, and Flight instruction held at the St. Paul Airport. The subject and hours schedules follow:

Ground School:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Air Regulations</td>
<td>18</td>
</tr>
<tr>
<td>Navigation</td>
<td>24</td>
</tr>
<tr>
<td>Meteorology</td>
<td>24</td>
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<tr>
<td>Aerodynamics</td>
<td></td>
</tr>
<tr>
<td>Airplane Engines</td>
<td>6</td>
</tr>
<tr>
<td>Aircraft Instruments</td>
<td></td>
</tr>
<tr>
<td>Parachutes</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>72</td>
</tr>
</tbody>
</table>

Flight Training:

<table>
<thead>
<tr>
<th>Skill</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taxiing</td>
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<td></td>
</tr>
<tr>
<td>Take-offs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Climbs and Turns</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glides, Stalls, and Spins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cross-Country</td>
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<td></td>
</tr>
</tbody>
</table>

Students who desire to enter the course should obtain application blanks from the office of the Physics Department. Enrollment must be made in both Ground and Flight Schools. Upon satisfactory completion of both units, students will be granted:

1. 4 credits in laboratory science, not counted toward a major or minor.
2. A Private Pilot’s license for Class I Aircraft.
Upon certification by the Civil Aeronautics Authority and approval by the Department of Physics, the Registrar is authorized to grant four elective credits toward graduation for the advanced course in Civil Aeronautics.

**Natural Science 150. International Morse Code.**—Opportunity to practice sending and receiving in the International Morse Code is available without credit.

**Natural Science 152. Navigation, Meteorology, and Civil Air Regulations.**—The ground school material in the present CAA course is open without prerequisite to those students who are interested. This course emphasizes navigation by dead reckoning, frontal and cloud analysis, and a summary of the current air traffic laws. Two credits.

**Natural Science 154. Map Reading and Interpretation.**—Offered because of its importance in offensive and defensive maneuvers in war. Its purpose is to equip students with knowledge which will enhance their opportunities for advancement. Two credits.

**Natural Science 252. Introduction to Celestial Navigation.**—A presentation of the theory involved in flight of aircraft by reference to the celestial sphere. A brief summary of spherical trigonometry and meteorology will precede the actual work in celestial navigation. This course should be of particular value to any student planning to enter the air service of the U. S. or to any student who has completed the primary CAA course and wishes to enter the secondary course. Three credits.

**Radio and Electronics.**—A course in the fundamentals of radio communication intended primarily for those who are interested in admission into the Army or Navy Signal Corps. A few women may be admitted. No credit.

**Health and Physical Education**

PROFESSORS PRIMROSE, SCHELLBERG, OLSON AND MRS. WISE

Physical Education is required of all students throughout four years, unless excused through physical disability. Juniors and Seniors may be excused from this requirement by passing the Cozen's Athletic Ability Test for Men or the Graybeal revision of the Cozen's Test for Women. 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, baseball, 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.

201-202. 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.

205-206. Elementary Swimming.—
This course aims to enable the student to swim well enough to meet emergencies.
One year, two hours a week, two points.

209-210. 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 SCHELLBERG, 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.

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 SCHELLBERG AND MRS. WISE

Introductory course in seasonal team and individual sports and rhythms.

Open to freshmen. One year, two hours a week, two points.

201, 202 is the course number for required work for the second, third, and fourth years. 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:

201, 202. Individual Sports.—

MISS SCHELLBERG

Instruction in seasonal individual sports: archery, badminton, golf, and tennis.

One year, two hours a week, two points.

203-204. The Modern Dance.

MRS. WISE


Open to freshmen by permission. One year, two hours a week, two points.

205-206. Elementary Swimming.—

MISS SCHELLBERG

For non-swimmers and beginners.

Open to freshmen by permission. One year, two hours a week, two points.

207-208. Intermediate Swimming.—

MISS SCHELLBERG

Instruction in the standard strokes and elementary diving.

Open to freshmen by permission. One year, two hours a week, two points.
209-210. Advanced Swimming.— Miss Schellberg
Instruction in life saving, form swimming, and springboard diving.
Open to freshmen by permission. One year, two hours a week, two points.

211-212. Gymnastics.— Mrs. Wise
A course in body building activity with special emphasis on posture.
Open to freshmen by permission.

Men and Women
Credit Courses

The following courses are offered for students who wish a minor in Physical Education. Those expecting to teach should complete all courses listed below except Physical Education 251. Graduation credit in courses other than 151R will be allowed only to those students who thereby complete a minor in Physical Education and who have at least a minor in Education. Students who have completed or who are taking Sociology 251 may receive credit in course 353-354.

Prerequisite for all the following courses, except Physical Education 151R, is Physical Education 101-102.

151R. Personal Hygiene.— Miss Schellberg and 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.

251R. Community and Camp Leadership.— See Sociology 251R.

253-254. Gymnastics and Self Testing Activities.— Miss Schellberg
This course may be substituted for any of the required sophomore courses by those taking a minor in physical education. It includes tumbling, stunts, gymnastics, posture and remedial physical education.
Open to women. Prerequisite, course 101-102. One year, two hours a week, two credits.

253-254. Gymnastics, Self Testing, and Body Building Activities.— Mr. Primrose
This course includes self testing activities such as tumbling, stunts, gymnastics on standard apparatus, athletic gymnastic type of exercise and remedial-corrective physical education. This course may be substituted for any of the required sophomore courses by those taking a minor in physical education.
Open to men. Prerequisite, course 101-102. One year, two hours a week, two credits.
353-354. Individual and Dual Sports, Rhythms and Recreational Activities.— Miss Schellberg and Mr. Primrose
This course includes elementary rhythms, dual sports such as tennis, golf, badminton, archery, handball, and other recreational games for all ages and occasions.
Open to men and women. Prerequisite, course 101-102. One year, three hours a week, three credits.

355. Health Education and First Aid.— Mr. Primrose
The content of this course will consist of methods, principles and materials of health education, first aid and safety.
Open to men and women. Prerequisite, course 103R. First semester, three hours a week, three credits.

360. Introductory Principles of Physical Education— Mr. Primrose
This course includes the basic principles, philosophy, aims and objectives of Physical Education. The latest trends in the field including recreational and co-educational activities are covered.
Open to men and women. Second semester, two hours a week, two credits.

363. Theory of Team Sports.— Miss Schellberg
The major team sports for women studied from the theoretical approach; rules strategy, fundamentals of offense and defense, coaching technique and officiating.
Open to women. Prerequisite, course 101-102. First semester, four hours a week, two credits.

364. Folk Dancing and Rhythmic Activities.— Mrs. Wise
This course presents material primarily for those teaching in the elementary and secondary school. Consideration is given to the methods of organizing and teaching the activities.
Open to women. Prerequisite, course 101-102. Second semester, two hours a week, one credit. Not offered 1942-1943.

365-366. Theory of Sports.— Mr. Olson
The major and minor sports (such as football, basketball, baseball, track and field, hockey, 6-man football, touch football), strategy of games, scouting, psychology of coaching, study of rules and officiating are covered. The student is required to help coach and officiate in freshmen inter-class and intramural games.
Open to men. Prerequisite, course 101-102. One year, two hours a week, four credits.

452. Organization and Administration of Physical Education.— Miss Schellberg
Included in this course are scheduling, programming, class organization, facilities, publicity, play days, demonstrations, records, and other administrative responsibilities carried on in a high school physical education department.
Open to senior men and women. Second semester, two hours a week, two credits.
Macalester College Conservatory of Music

Faculty

CARL A. JENSEN  Director, Musical Theory, Organ
GABRIEL FENYVES  Piano, Master Classes
HOLLIS JOHNSON  Choral and Band Ensemble, Music Education

Instructors

Piano

HARRIET ALLEN
RUTH BACH
SADIE GINGOLD HENLY
DORA SCHAETTGEN

HARRIET SCHAFFNER
CLAIR THORALDSON
MYRTLE WEEDE
JESSIE YOUNG

Organ

HARRIET ALLEN

HARRIET ALLEN

JESSIE YOUNG

Violin

HELEN HARRIS

Cello

JAMES MESSIEAS

Flute

MARY ROBERTS

Voice

CLEMENTINE GIFFORD

Harp

HENRY J. WILLIAMS

MARGARET MARK, Secretary
Enrollment

All students who enroll in College courses in Music are required to enter at the beginning of the school year. For a complete listing of Music subjects offered in the Music Department, please refer to pages 91-93 of this Bulletin.

Students who enroll for individual instruction only, may register at any time during the year.

Macalester College Conservatory maintains a large pre-college department. Students are accepted in this department at any age or stage of advancement, and may enter at any time for individual instruction. Training in Piano is graded, and certificates of attainment are conferred, year by year, on those who pass the prescribed examinations.

Tuition Fees

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Elementary class instruction Year 1, semester</td>
<td>$13.50</td>
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<tr>
<td>Elementary class instruction Year 2, semester</td>
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<td>Elementary individual instruction lesson</td>
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<td>Intermediate class instruction Year 3, semester</td>
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<tr>
<td>Intermediate class instruction Year 4, semester</td>
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<tr>
<td>Advanced individual instruction lesson</td>
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Practice Rental Fees

<table>
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<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piano practice room, one hour daily, semester</td>
<td>$8.00</td>
</tr>
<tr>
<td>Chapel organ— by the hour</td>
<td>.40</td>
</tr>
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</table>
Degrees Conferred June 2, 1941

BACHELOR OF ARTS

John Rupert Alfons
Chester Albert Anderson magna cum laude
Roy Edeburn Arnold
Marion Betty Balcome
Forbes Wilson Ballentine
Helen Elizabeth Balmer
Stanley Clements Banks
Joan Elizabeth Barton
John Ward Beebe
Wilbur Allen Boler
cum laude
Raymond Adolphe Boyce
Robert Wilcox Buetzberger
Janet Marion Buscho cum laude

Erlyse Eilene Champine
gordon James Clark
Marjorie Marie Clements
Marie Ella Dammann
Charles Lawrence Daub
Scott Hauxhurst De Long
Allen Helmer Dewall
Mildred Elizabeth Dunkelburger
Marion Ruth Eichenlaub
cum laude
John Arthur Eklund
Albert Roger Erickson
Victor Lowrey Erickson
Thomas William Erskine
Frederick Lehrer Ferlein
cum laude
Dorothy Louise Fiddes
Loyal Ray Fields
John Robert Freeman
Kenneth Stuart Fricke
cum laude
Ruth Marion Gallaher
Ivan Kenneth Gesche
Doris Gertrude Greaves
Esther May Green cum laude
Gene Wells Halverson cum laude

Edward Walter Hamren
Philip Hartwell Hanson, Jr.
Charlotte Fairbank Harmish
William Wesley Haverstock, Jr.
Quentin Frank Havlik
Philip Carl Hedenstrom

Jean Christine Heimark cum laude
Charles William Heller
Dwight Spaulding Howe
Marian Alice Huttner

Alden Taro Ikeda
Frederick Henry Jacob
Milton Walter Jahn
Phyllis Lucille Jeddeloh summa cum laude
Ruth Elizabeth Johnson
Floreine Mae Kelly
Julia Ann Kennedy
Ruth Elizabeth King
Dorothy Ida Koch
Robert Dale Lange summa cum laude
Edith Mae Langley
Audrey Elizabeth Linde
Philip Ervin Lindvig
douglas Martin Lowe
Phyllis McFarland
Jean Catherine McLeod
Margaret Jean McRae
William Richard Marvin
Dorothy Gwen Matchan magna cum laude

Arthur Edwin Meisel
Richard Amos Micka
Kenneth Sherwood Milne
Janet Mary Mitchell
James Thomas Moir cum laude
Edward Osborne Nelson cum laude
Janet Adair Nicholson
Nancy Janet Nicol

summa cum laude

Ellen Laura Nightingale
Audrey Isabel Olson
Warren Joseph Panushka
Audrey Cleo Parsons
John William Perry
Carleton Leigh Roberts
Jean Ellen Robertson

(Continued on following page)
Preston Wigginton Rogers
Elizabeth Virginia Rose
Stanley Dudley Rosenberry
Phyllis Edna Schneidler
Marion Vivian Smith

cum laude
Dorothy Muriel Snyder
Edward Robert Steadman
Margaret Adelia Stearns
Hazel Marie Stolz
Donald Nielsen Sundeen
Harriet Carolyn Swanson

cum laude
Jean Phyllis Swanson

cum laude
Lois Esther-Marie Swanson
Helen Clare Swenson

Quentin Eugene Tenney
Thomas Blair Thornton
Le Roy Albert Trumble
Thomas Raleigh Trutna
Lorraine Esther Von Wald
George Robert Leeson Waite

cum laude
Francis Alexander Wallace
Frederick Harold Walter
Marjorie Ellen Warner
Beverly Carmen Werbes
Esther Wernick
Gretchen Ione Whiting
Carol Elizabeth Will
Gwenda Inez Williams
James Rowland Williams
Alice Marie Wilson

Honorary Degree

Alumni

Alumni Association

It will be esteemed a favor if each alumni who changes his residence will notify the Registrar of his new address. Information from any source that will assist in keeping this roll complete will be appreciated.

The Alumni Association of Macalester College has two purposes in view: to bind into a unit the graduate body and help to preserve and increase the value of the friendships formed in college, and to further the interests of Alma Mater. Communications to the Alumni Association should be sent to the college. Contributions and dues may be sent to Mr. Rankin, 484 Selby Avenue, St. Paul, Minnesota.

Officers
Walter John Rock '25 ........................................ President
Dorothy J. Neibel '31 ...................................... Vice-President
Edith A. Haigh '15 ........................................ Secretary
Robert Sinclair Wallace '08 ............................ Treasurer

Regional Groups

Local Alumni groups are active in the following centers: New York City, Chicago, Philadelphia, Cleveland, Los Angeles, Milwaukee, Omaha, Portland, Oregon and Rapid City, South Dakota.

In the State of Minnesota groups are centered in Austin, Brainerd, Duluth, Mankato, Rochester and Virginia.
## Roll of Students

### Senior Class

<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carol Elaine Abel</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Roger Gladstone Allen</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Richard Wayne Alm</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Harriet Evelyn Anderson</td>
<td>Pierpont, So. Dak.</td>
</tr>
<tr>
<td>Norval Le Roy Anderson</td>
<td>Hudson, Wis.</td>
</tr>
<tr>
<td>Virginia Elizabeth Anderson</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Robert George Aufderheide</td>
<td>New Ulm, Minn.</td>
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<tr>
<td>Ruth Hertha Aufderheide</td>
<td>New Ulm, Minn.</td>
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<tr>
<td>Durant Barclay, Jr.</td>
<td>Marble, Minn.</td>
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<tr>
<td>Eugene Earl Bassett</td>
<td>Hinckley, Minn.</td>
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<tr>
<td>Frederic Henry Bathke, Jr.</td>
<td>St. Paul, Minn.</td>
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<tr>
<td>Ruth Erika Berlin</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Jeanne Elizabeth Beulke</td>
<td>Racine, Wis.</td>
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<tr>
<td>Ervin Frederick Block</td>
<td>Nicollet, Minn.</td>
</tr>
<tr>
<td>Frances Pauline Bloomfield</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Mary Jean Bowe</td>
<td>Elk River, Minn.</td>
</tr>
<tr>
<td>Carol Campbell Brack</td>
<td>Staten Island, New York</td>
</tr>
<tr>
<td>James Vernon Brack</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Arvid Robert Brinkman</td>
<td>St. Paul, Minn.</td>
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<tr>
<td>Harriet Hunter Brown</td>
<td>St. Paul, Minn.</td>
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<tr>
<td>Margaret Bernice Brown</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Lucy Wilson Buck</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Mary Cynthia Burgess</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Emily Mae Ruth</td>
<td>Faribault, Minn.</td>
</tr>
<tr>
<td>Eric Henry Clamons</td>
<td>Vienna, Austria</td>
</tr>
<tr>
<td>Frederick Manning Coates, Jr.</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Samuel Wainwright Cook</td>
<td>Minneapolis, Minn.</td>
</tr>
<tr>
<td>Mavis Anna Crist</td>
<td>Jeffers, Minn.</td>
</tr>
<tr>
<td>Mary Phoebe Crum</td>
<td>Spring Valley, Minn.</td>
</tr>
<tr>
<td>Lois Mae Culligan</td>
<td>St. Paul, Minn.</td>
</tr>
<tr>
<td>Laura May Davidson</td>
<td>Plainview, Minn.</td>
</tr>
<tr>
<td>Elizabeth Mira Davis</td>
<td>Stillwater, Minn.</td>
</tr>
<tr>
<td>Ruth Elizabeth Eldred</td>
<td>Bismarck, No. Dak.</td>
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Freed Keith Hunt ................................ Big Lake, Minn.
Margaret Inger Jacobs .......................... Willmar, Minn.
Charles Wilber Jarvis .......................... Lowry, Minn.
Eleanor Rose Johnson .......................... St. Paul, Minn.
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George Peter Katz ............................. St. Paul, Minn.
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Margaret Keeley ................................. St. Paul, Minn.
Robert Lee King ................................. Albert Lea, Minn.
Russell Joseph Kotval ........................ Vesta, Minn.
Charles Heberle Ludwig ........................ St. Louis Park, Minn.
Ernie George Lustmann ........................ Glencoe, Minn.
James Scott McGee ............................... St. Paul, Minn.
Harriet Jean McPhetres ........................ Stillwater, Minn.
Margaret Jean Mack ............................. Bozeman, Mont.
Virgil Ivor Mann ................................. McFarland, Wis.
Francis Bruce Reserve .......................... St. Paul, Minn.
Dorothy Dorrance Mitchell ..................... St. Paul, Minn.
Constance Muriel Nelson ......................... Minneapolis, Minn.
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Joseph Vincent Novak ........................... Ely, Minn.
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Collin Edson Ostrander ........................ Albert Lea, Minn.
Jack Patnode .................................... International Falls, Minn.
Roger William Peterson ........................ St. Paul, Minn.
Alice Jane Robertson ........................... Jackson, Minn.
Perry Justin Robinson .......................... Crystal Springs, No. Dak.
Roger Adolf Rohrbacher ........................ St. Paul, Minn.
Ellen Marie Rowley .............................. St. Paul, Minn.
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John Manley Runquist .......................... Duluth, Minn.
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Wayne Albert Sater ............................. Minneapolis, Minn.
Freeman Clifford Schroder ..................... St. Paul, Minn.
Mary Jane Schroeder ............................. Stillwater, Minn.
Suzanne Barbara Sherk ........................ Cumberland, Maryland
Marjorie Gae Slater ............................ St. Paul, Minn.
Virginia Helene Snyder ........................ Minneapolis, Minn.
Rebecca Natalja Stohl ........................ St. Paul, Minn.
Robert Elmer Strom ............................. McGregor, Minn.
Irma Corrine Swanson ........................ Blackberry, Minn.
Rodney Lowell Warner .......................... Rockford, Ill.
Don Stuart Williams ........................... St. Paul, Minn.
James Henry Wood ............................... Minneapolis, Minn.
Mildred Louise Wright ........................ Minneapolis, Minn.
Junior Class

Ray Warren Alcox .............................................. Chisholm, Minn.
Betty Ella Alexander ........................................ St. Paul, Minn.
Marjorie Lois Parish Anderson ............................. St. Paul, Minn.
Philip Algot Anderson, Jr. ................................. Minneapolis, Minn.
Darell Frederick Apitz ....................................... Amboy, Minn.
John Finch Arneson ........................................... Minneapolis, Minn.
Ruth Evelyn Baran ............................................ St. Paul, Minn.
Edwin Blois Barrett ......................................... Browns Valley, Minn.
Mary Ella Bergman ........................................... Granite Falls, Minn.
Betty Helen Blake ............................................. Hibbing, Minn.
Roger Kellogg Blakely ........................................ Barnum, Minn.
Joel Bloomfield ................................................ St. Paul, Minn.
Alyce Sedonia Boyle ......................................... Bemidji, Minn.
Kate Anthony Bradbury ....................................... Duluth, Minn.
Johanna Marian Bratush ..................................... Eveleth, Minn.
John Edward Bryan ........................................... Red Wing, Minn.
Beth Marie Carlander ......................................... Minneapolis, Minn.
Betty Lilian Clark ............................................. Marshall, Wis.
John Alexander Clark ......................................... Minneapolis, Minn.
Miles Morton Clark ........................................... St. Paul, Minn.
Ralph Joseph Colafzy ........................................ St. Paul, Minn.
Dean Griffin Corey ............................................. Beloit, Wis.
Milton Arthur Cornwall ....................................... St. Paul, Minn.
Constance Cronon ............................................. Minneapolis, Minn.
Duane Alfred Dahlquist ....................................... Hadley, Minn.
Barbara Jean Davis ........................................... Chicago, Ill.
Harlan Lee Davis ............................................. Aberdeen, So. Dak.
Mildred Irene Davis .......................................... Minneapolis, Minn.
Thomas Lloyd Davis, Jr. ...................................... Wadena, Minn.
Shirley Jean Dawson .......................................... St. Paul, Minn.
Roland Rufus De Lapp ........................................ Luverne, Minn.
Richard Peter De Long ....................................... Anoka, Minn.
William John Deurr ........................................... St. Paul, Minn.
Vernon Albert Doms ........................................... Woodstock, Minn.
Dora Evelyn Dunn .............................................. St. Paul, Minn.
Robert Oliver Durst ........................................... Chokio, Minn.
Ellsworth Woodrow Erickson ................................ So. St. Paul, Minn.
Allen Moore Fobes ........................................... Redwood Falls, Minn.
Robert Geissness Fracey ..................................... Virginia, Minn.
Kathryn Madora Frohlich ..................................... Rapid City, So. Dak.
Ellen Harriet Fuller .......................................... St. Paul, Minn.
William Frederick Gilbert ................................... Luverne, Minn.
Bill High Gilliland ........................................... St. Paul, Minn.
Mary Ella Eunice Goin ....................................... St. Paul, Minn.
Willis Herman Gramith ...................................... Waconia, Minn.
Shirley Alice Hadd ........................................... St. Paul, Minn.
Lyle James Hals .............................................. Rush City, Minn.
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Doris Mae Struthers ............................................. Amiret, Minn.
Charles Jerome Timberlake ..................................... St. Paul, Minn.
Helen Joan Tobin ................................................ Eveleth, Minn.
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Lois Carolyn Tverberg .......................................... Grafton, No. Dak.
Caryl Marion Vermilya .......................................... St. Paul, Minn.
Ethel Lucille Wagner ........................................... Conde, So. Dak.
Arlene Elsie Waller ............................................. Redwood Falls, Minn.
Betty Jane Westman .............................................. Lebanon, Mo.
Catherine Frances Wetteland .................................. St. Paul, Minn.
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Paul Russell Wigfield ........................................... St. Paul, Minn.
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Robert Henry Wise ............................................... St. Paul, Minn.
Revolda Mae Wright ............................................. St. Paul, Minn.
Bonnie Mae Wyatt ................................................. St. Paul, Minn.
Ansel Charles Zehm ............................................. St. Paul, Minn.

Sophomore Class

Dean Hartley Aarvig ............................................ Willmar, Minn.
Mary Rebecca Allen ............................................. Big Lake, Minn.
Louise Elaine Anderson .......................................... St. Paul, Minn.
Theodore Winfred Anderson ................................... Parkers Prairie, Minn.
Beulah Andrews .................................................. Indianapois, Ind.
Theodore Erik Bache-Wilg ..................................... Minneapolis, Minn.
Burton Charles Baker ........................................... St. Paul, Minn.
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Mary Katherine Beyrer ........................................ St. Paul, Minn.
Violet Marie Bjornberg ......................................... St. Paul, Minn.
Marjorie Broun ................................................... Battle Lake, Minn.
Margaret Catherine Buck ....................................... St. Paul, Minn.
Robert Cameron Burns ......................................... Minneapolis, Minn.
Charles Daugherty Cannons .................................... St. Paul, Minn.
Betty Ann Carlson ................................................. Minneapolis, Minn.
Norma Lucille Carter ........................................... Minneapolis, Minn.
Robert Eugene Carter ........................................... St. Paul, Minn.
Fayette Bradley Castle ......................................... Stillwater, Minn.
Ellen Betty Christensen ....................................... Mason City, Ia.
Robert Strachan Clark .......................................... Rockville, Minn.
John Clipson ....................................................... Redwood Falls, Minn.
Elizabeth Ann Clymer .......................................... St. Paul, Minn.
Jeanne Harriet Collar .......................................... St. Paul, Minn.
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Roger Irving Lienke .................................................. Windom, Minn.
Alvaro Lievano ..................................................... St. Paul, Minn.
Harry Bernard Lincoln ............................................. Fergus Falls, Minn.
Carol Suzanne Lloyd ................................................. Fulda, Minn.
Jack Beltman Lowrey ............................................... Wadena, Minn.
George Weldon Lund ................................................ Cumberland, Wis.
Eileen Mae McGandy ................................................. St. Cloud, Minn.
Edward McGovern ..................................................... Mitchell, So. Dak.
Frederick William Manthey, Jr. ................................. St. Paul, Minn.
Dorothy Mae Merriman ............................................... Duluth, Minn.
Katherine Fuller Messenger ......................................... Rochester, N. Y.
Marjorie Elizabeth Mickelson ..................................... Fosston, Minn.
Mae June Mix .......................................................... St. Paul, Minn.
Robert Barnard Munday ............................................. St. Paul, Minn.
Delores Maxine Nelson .............................................. Evansville, Minn.
Lou Ella Agnes Nelson ............................................... Clarks Grove, Minn.
Stewart Richard Nelson ............................................. St. Paul, Minn.
Bertwin William Nippoldt .......................................... Lake Elmo, Minn.
Nancy L. Oehler ..................................................... St. Paul, Minn.
Alfred Kopang Owyang ............................................... Shanghai, China
George Frank Panuska .............................................. Minneapolis, Minn.
Vaceles Theodora Pappas ........................................... Minneapolis, Minn.
Charles Richard Penson ............................................ St. Paul, Minn.
Beryce Elaine Perry ................................................ Elkton, Minn.
Ethel Marie Peterson ............................................... Atwater, Minn.
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Ronald Watson Powers .............................................. St. Paul, Minn.
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Richard Gill Santella ............................................... Eau Claire, Wis.
George Edward Schafer ............................................ St. Paul, Minn.
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Albert Schwartz ..................................................... St. Paul, Minn.
Carol Elizabeth Sherman ........................................... Dryden, Wash.
Mavajean Simpson ................................................... Park Rapids, Minn.
Arvel Meryl Steece .................................................. Aitkin, Minn.
Mary Lou Stork ...................................................... St. Paul, Minn.
Herman Raymond Straka ............................................ St. Paul, Minn.
Katherine Taft Strowd .............................................. Glendive, Mont.
Lawrence John Swanson ............................................ So. St. Paul, Minn.
Roger James Tallmadge ............................................. Milwaukee, Wis.
Phyllis Louise Taylor .............................................. St. Paul, Minn.
Arthur Ernest Thom .................................................. St. Paul, Minn.
Norma Mae Thorgrimson ............................................ Minneapolis, Minn.
Cecil Arthur Thornton .............................................. Minneapolis, Minn.
Betty Jane Topel ..................................................... Balaton, Minn.
Evelyn Esther Tschida ............................................. St. Paul, Minn.
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John Robert Comer............................................ St. Paul, Minn.
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James Ralph Corbin........................................... St. Paul, Minn.
Marjorie Mae Corson......................................... Hutchinson, Minn.
Henry Gerard Couperus........................................ Minneapolis, Minn.
Charles Carnegie Crandall.................................... Buffalo, Minn.
Doris June Curtis............................................. Grafton, No. Dak.
Kathryn Dale.................................................. Minneapolis, Minn.
Judith Harmon Davis.......................................... Chicago, Ill.
Julia Thompson Davis......................................... Hopkins, Minn.
Marjorie Dean Dawson......................................... St. Paul, Minn.
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June Ann Dobbins............................................. Minneapolis, Minn.
Fred George Dumas............................................. Minneapolis, Minn.
Alice Elaine Dunnavan........................................ St. Paul, Minn.
Roy Edward Eldred............................................ Bismarck, No. Dak.
Eurace Gerene Ellenson....................................... Cumberland, Wis.
William James Endersbe...................................... Benson, Minn.
Ruth Marcella Engst........................................... St. Paul, Minn.
Catherine Eastburn Erickson................................ Hastings, Minn.
George Stevens Everest....................................... Duluth, Minn.
Mahlon Boyde Fish............................................. Rochester, Minn.
Pearl Jeanette Flatten........................................ Caledonia, Minn.
Ruth Elaine Forbes............................................ Rice Lake, Wis.
Lois Elaine Fountain.......................................... St. Paul, Minn.
Muriel Elizabeth Francin..................................... Fosston, Minn.
Mary Louise Frazer........................................... Bemidji, Minn.
Eunice Mae Frederickson...................................... Morgan, Minn.
Elizabeth Frances Freeman................................... Minneapolis, Minn.
Darwin Forbes Fuller, Jr...................................... St. Paul, Minn.
Marjorie Jane Galchutt....................................... Elk River, Minn.
Jeanne Harriet Gassman...................................... St. Paul, Minn.
Lyle Douglas Gerhardt......................................... Minneapolis, Minn.
Jean Barbara Gilfillan........................................ St. Paul, Minn.
Thomas Albert Gillott......................................... Dawson, Minn.
Harry Stuart Given........................................... St. Paul, Minn.
William Ernst Gladitsch...................................... Gaylord, Minn.
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Donald Henry Panushka ........................................... St. Paul, Minn.
Angeline Theodora Pappas ........................................ Minneapolis, Minn.
Izella Bernice Pearson ........................................... Lake City, Minn.
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Maxine Joyce Solverson ........................................ Willmar, Minn.
Randolph Lindell Sperling ..................................... Minneapolis, Minn.
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Vernon Everett Stiles .......................................... Marine-on-the St. Croix, Minn.
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Don Alexander Sutherland ..................................... Minneapolis, Minn.
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Laurence Daniel Swanson ...................................... St. Paul, Minn.
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Harold Goodman Swennes ....................................... Hinckley, Minn.
Victor William Taylor .......................................... Wayzata, Minn.
Robert William Teipel ........................................... St. Paul, Minn.
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Marion Edith Thomas ........................................... Minneapolis, Minn.
John Franklin Thorsell ......................................... St. Paul, Minn.
Philip Hubbell Thuma ........................................... St. Paul, Minn.
Carl Gustave Tideman ........................................... Cokato, Minn.
Jack Douglas Turnbull .......................................... St. Paul, Minn.
John Paul Turner ................................................ Riverside, Ill.
Audrey Jean Tyrholm ........................................... Waseca, Minn.
Melvin Walter Ulrich ........................................... Le Sueur, Minn.
Robert A. Uppgren ............................................. White Bear Lake, Minn.
Helen Elizabeth Vareen ......................................... Hastings, Minn.
Beuna May Victor ................................................ Lindstrom, Minn.
Dorothy May Voris .............................................. Litchfield, Minn.
Gorney Edward Vugteveen ...................................... Pease, Minn.
Dorothy Elaine Wagner .......................................... Conde, So. Dak.
Richard Frank Wagner ........................................... Morris, Minn.
Priscilla Ann Wahl .............................................. Elkader, Ia.
Jane Elaine Wallom ............................................... Hancock, Minn.
Inez Alberta Weddendorf ....................................... Osseo, Minn.
Paul Edward Weeldreyer ........................................ Clara City, Minn.
Jean Anne Wefer ................................................ Ardmore, Pa.
Jeanne Penelope Welander ..................................... Stillwater, Minn.
Dorothy Ann Whiston ........................................... St. Paul, Minn.
Naomi Jean Whiting ............................................. Chittara, Minn.
Frederick M. Whitney ........................................... Ashland, Wis.
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Arlene Muriel Winter ........................................... St. Paul, Minn.
Audrey Lois Woglom ............................................. St. Paul, Minn.
Charles Seth Wood ............................................... White Bear Lake, Minn.
Louise Woodhouse ............................................... Minneapolis, Minn.
Catharine Virginia Worley ........................................ Minneapolis, Minn.
Sylvia Ruth Ylvisaker ........................................ St. Paul, Minn.
Helen Reid Zabel .................................................. Winnebago, Minn.
Wilbur Kenneth Zaudtke ........................................ St. Paul, Minn.
Carl August Zenker ............................................. St. Paul, Minn.

Special Students
Charlotte Miriam Bradley ..................................... St. Paul, Minn.
Robert Daniel Davies .......................................... Minneapolis, Minn.
Norman Kenmore Elliott ....................................... St. Paul, Minn.
Mrs. Marion Faricy ............................................. St. Paul, Minn.
Charles William Heller ........................................ St. Paul, Minn.
Axel Oliver Kordahl ............................................. Kempton, No. Dak.
Harold R. Mundahl ............................................... St. Paul, Minn.
Lorenz Frank Karl Wahlers .................................... St. Paul, Minn.

Summary of Students
Freshmen .......................................................... 295
Sophomores ....................................................... 139
Juniors ............................................................. 124
Seniors .............................................................. 100
Special ............................................................... 9
Total ................................................................. 667
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.
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