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KALAMAZOO COLLEGE BULLETIN

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ANNOUNCEMENTS, 1945-46

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Foreword

Kalamazoo College is a liberal arts college offering courses of study leading to the degree of Bachelor of Arts. It seeks to train young men and women for intellectual leadership, and attempts also to orient them in the values of contemporary culture. To this end sound instruction in the humanities, the natural sciences, and the fine arts is offered; participation in sports, forensics, dramatics, music, and other activities is encouraged; and varied contacts are maintained with the business world and the world of cultural and civic affairs. This basic kind of college education constitutes the finest preparation for professional courses in medicine, engineering, law, business administration, teaching, library science, religion, social work, and for graduate study in purely academic fields.

Kalamazoo College is approved by the Association of American Universities, the American Association of University Women, and the North Central Association of Colleges and Secondary Schools.
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NEW

TUESDAY, SEPTEMBER 18.

required preliminary examinations. All other students should arrive that day.

Fees are payable at the time of registration.

Second Semester 1944-45

MARCH

23 Friday, Mid-term grades due. 28 Wednesday, 12:20 p.m. Spring Recess begins.

APRIL

5 Thursday, 8:00 a.m. Classes Resume. 11 Wednesday, 1:30 p.m. Supplemental Examinations.

21 Saturday, Competitive Scholarship Examinations.

22 Sunday, Founders Day.

JUNE

4 Monday to Friday, 8:00 a.m. First Examinations.

9 Saturday, Alumni Day.

Second Semester, 1945-46

First Semester, 1945-46

SEPTMBER

17* Monday, 9:00 a.m. Freshman and New Student Induction Program.

18 Tuesday, New Student Registration.

19 Wednesday, All Other Student Registrations.

20 Thursday, 9:00 a.m. Opening Chapel.

20 Thursday, 10:00 a.m. Classes begin.

26 Wednesday, 1:30 p.m. Supplemental Examinations.

27 Thursday, Last day for changing schedules without fee.

AUGUST—1945

8 S M T W T F S
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

JANUARY—1945

8 S M T W T F S
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

FEBRUARY—1945

8 S M T W T F S
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

MAY—1945

8 S M T W T F S
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

JUNE—1945

8 S M T W T F S
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

JULY—1945

8 S M T W T F S
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

AUGUST—1945

8 S M T W T F S
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

CALENDAR*

SECOND SEMESTER 1944-45

FEBRUARY—1945

5 Monday, New Student Registration

6 Tuesday, 8:00 a.m. Second Semester classes begin.

12 Monday, Last day for changing schedules without fee.

MARCH

23 Friday, Mid-term grades due.

28 Wednesday, 12:20 p.m. Spring Recess begins.

APRIL

5 Thursday, 8:00 a.m. Classes Resume.

11 Wednesday, 1:30 p.m. Supplemental Examinations.

21 Saturday, Competitive Scholarship Examinations.

22 Sunday, Founders Day.

MAY

22 Tuesday, Written Examinations for those reading for Honors.

26 Wednesday, May Fete.

JUNE

24 Monday to Friday, 8:00 a.m. Final Examinations.

9 Saturday, Alumni Day.

10 Sunday, Baccalaureate Sunday.

11 Monday, One Hundred Ninth Annual Commencement.

First Semester, 1945-46

SEPTEMBER

2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29

2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29

2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29

* New students are expected to arrive Monday, September 17, in order to take required preliminary examinations. All other students should arrive on Tuesday, September 18.

†Fees are payable at the time of registration.

OCTOBER

2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29

NOVEMBER

17 Saturday, Mid-term Grades Due.

28 Wednesday, 12:20 p.m. Thanksgiving Recess begins.

DECEMBER

3 Monday, 8:00 a.m. Classes Resume.

14 and 15, Friday and Saturday, Christmas Carol Service.

19 Wednesday, 12:20 p.m. Winter Recess begins.

JANUARY

3 Thursday, 8:00 a.m. Classes Resume.

14-21 Regular Student Registrations.

28 Monday to February 1, Friday Mid-year Examinations.

SECOND SEMESTER, 1945-46

FEBRUARY

4 Monday, New Student Registration.

5 Tuesday, 8:00 a.m. Second Semester Classes begin.

11 Monday, Last day for changing schedules without fee.

MARCH

30 Saturday, Mid-term grades due.

30 Saturday, 12:00 p.m. Spring Recess begins.

APRIL

8 Monday, 8:00 a.m. Classes Resume.

13 Saturday, Competitive Scholarship Examinations.

19 Friday, 12:20 p.m. Easter Recess begins.

22 Monday, 8:00 a.m. Classes Resume.

22 Monday, Founders Day.

MAY

21 Tuesday, Written Examination for Candidates reading for Honors.

1 Wednesday, Supplemental Examinations.

JUNE

3 Monday to Friday, 7, Final Examinations.

8 Saturday, Alumni Day.

9 Sunday, Baccalaureate Sunday.

10 Monday, One Hundred Tenth Annual Commencement.

SEPTEMBER

16 Monday, Academic Year, 1946-47 begins.

†Fees are payable at the time of registration.
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Frances Estes, '40  Vice-President  Chicago
Harold Renne, '34  Secretary-Treasurer  Chicago

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Miss Kathleen C. Smith, '29  Secretary  Grand Rapids
Henry C. Hart, '12  Treasurer  Grand Rapids
Administrative Officers and Assistants

PAUL LAMONT THOMPSON, LL.D. .................................................. President
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LEO M. HAUPP'TMAN, PH.D. Registrar and Director of Student Personnel
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FRANK B. BACHELOR, B.A., D.D. ................................................ Business Manager
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FLORENCE B. THOMPSON .................................................. Director of Trowbridge House
HELEN WAGNER .................................................. Resident College Nurse, North
HARRY DAINE .................................................. Resident College Nurse, South
MILDRED WHITCOMB, B.A. .................................................. Secretary to the President
MARGARET B. LEONARD .................................................. Secretary of Alumni Office
DONALD PILAAR, B.A. .................................................. Bookkeeper
EDITH R. BROWN .................................................. Secretary to the Deans

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CLIFTON W. PERRY, M.D. .................................................. College Physician
DOROTHY R. RIEZZ .................................................. Resident College Nurse
CHRISTINE KULL .................................................. Resident College Nurse

The Faculty

The figures in parenthesis indicate the year of beginning of service at Kalamazoo College.

PAUL LAMONT THOMPSON, President.
(1928)
B.A., Emmanuel Missionary College, '18; B.D., Colgate-Rochester Divinity School, '23; LL.D., Franklin College, '35; president, Southwestern Junior College, '21-'28; president, Uniue College, Lincoln, Neb., '28-'31; president, Shurtleff College, '33-'36.

EDWARD BARNARD HINCKLEY, Associate Professor of English; Secretary of the Faculty; Dean.
(1940)
B.A., Harvard University, '24; M.A., '26; Ph.D., '32; graduate student, '35-'37; assistant in chemistry, '24-'26; instructor in English, Cambridge School of Liberal Arts, '36-'37; professor of English, University of Tampa, '33-'36, '37-'40.

BIRDENA ESTHER DONALDSON, Associate Professor of History; Dean of Women.
(1945)

LEO MORGAN HAUPP'TMAN, Registrar and Director of Student Personnel.
(1944)
B.A., Peru State Teachers College, '32; M.A., University of Nebraska, '33; Ph.D., '41; superintendent of schools, Nebraska, '35-'37; superintendent, Nebraska State Teachers Association, '37-'41; director of secondary education and psychologist, Lafollette, Indiana '31-'37; director of secondary education and psychology, Lafayette, Indiana '37-'41; summer, State Normal College, Ypsilanti, Mich., '44.

JUSTIN HOMER BACON, Professor of French, Emeritus.
(1907—Retired 1944)

LEMUEL FISH SMITH, Professor of Chemistry, Emeritus.
(1911—Retired 1944)
HERMON HARRISON SEVERN, Professor of Greek and Latin, Emeritus; 
Dean Emeritus. (1916—Retired 1937) 
B.A., Denison University, '96; M.A., University of Chicago, '22; D.T.H., Hillsdale College, '24; professor of Greek, Central College, '03-'05; dean and professor of Greek and German, '06-'12; fellow, University of Chicago, '12-'13; professor of Biblical Literature, Hillsdale College, '13-'16.

HENRY LEWIS BATTIS, Associate Campus Pastor. (1935) 
B.A., Mercer University, '14; graduate student, Harvard University, '15-'16; M.R.E., Hartford School of Religious Education, '28; Ph.D., '35; secretary, Baptist Young People's Union of Georgia, '29-'34; instructor in English and education, Mercer University, '34-'39; director of education, Lake Avenue Baptist Church, Rochester, N.Y., '36-'35; director, Inter-Church Student Council, Kalamazoo, since 1935.

MERRILL DUDLEY BECKWITH, Instructor in Art. (1943—February 1945) 
B.F.A., University of Colorado, '22; M.F.A., '41; studied painting with Kimon Nicolaides, Art Students League, New York City, '32-'33; studied with Laslo Moholy-Nagy, instructor in art, University of Colorado, '29-'32; '33-'34; '37-'38; assistant, Teachers College, Columbia University, '34-'35.

LEONARD LEE COLBY, Instructor in Physical Education. (1943) 
B.E., Northern Illinois State Teachers' College, '40.

ROBERT FRANKLIN CORNELL, Professor of Political Science. (1919) 
B.A., Cornell College, '14; J.D., University of Michigan, '20.

Hazel Simon Cowherd, Instructor in Economics. (1944) 
William Jewell '31-'33; B.A., University of Pennsylvania, '43; M.A., '44; assistant instructor in history, University of Pennsylvania '43-'44.

RAYMOND GIBSON COWHERD, Assistant Professor of Economics and History. (1944) 

Frances Diebold, Associate Professor of Biology. (1923) 

*Willis Frederick Dunbar, Professor of History (1928) 
B.A., Kalamazoo College, '34; M.A., University of Michigan, '31; Ph.D., '39.

Marion Hiller Dunsmore, Professor of Religion. (1929) 
B.A., Kalamazoo College, '20; M.A., Pacific School of Religion, '22; B.D., '29; fellow, University of Chicago, '22-'26; Ph.D., '29; assistant professor of religious education and literature, Hiram College, '26-'39.

Virginia Elizabeth Earl, Assistant Professor of French. (1929) 
B.A., University of Michigan, '26; M.A., '27.
MILTON SIMPSON, Assistant Professor of Music; Director of Musical Organizations. (1934)
Associate American Guild of Organists; teacher's diploma, Sherwood Music School, Chicago, '18.

C. W. PERK, Campus Physician. (1942)
B.A., Kalamazoo College, '22; M.D., University of Michigan, '28; private practice of medicine in Kalamazoo, '29.

DONALD HUBERT PILAK, Instructor of Economics. (1944)
Western Michigan College, '28-29; B.A., Kalamazoo College, '31; postgraduate, Western Michigan College, '33-34; commercial teacher, Galesburg, '35-37; and at Sand Creek Consolidated, '37-38.

MILTON SIMPSON, Professor of English Language and Literature. (1919)
B.A., Acadia University, '00; fellow, Yale University, '05-'07; B.A., '06; M.A., '07; summer, University of Chicago, '08; summer U. of Michigan, '21; Litt.D., Kalamazoo College, '41; professor of English, Ouachita College, '09-'10; assistant professor of English, Michigan State College, '11-'16; associate professor of English, Whitman College, '16-'19.

P. C. STAAKE, Instructor in Marketing and Public Relations. (1932-'44)

ALLEN BYRON STOWE, Professor of Chemistry. (1928)
B.S., Kalamazoo College, '20; M.A., Clark University, '21; fellow, '22-'23; Ph.D., '23; professor of chemistry, Olivet College, '23-'28.

ESTHER BUCHANAN WAITE, Instructor of Speech. (1944)
B.S., Northwestern University, '25; Northwestern University '39-'40; instructor in Drama, Northwestern University, summers '39, '40; instructor and assistant to the dean, Stephens College, '39-'41; assistant in drama, Northwestern University, summers '40, '41; instructor in the Division of Religion and Philosophy, Stephens College, '43-'44.

JOHN ALLAN WAITE, Assistant Professor of Speech. (1944)
B.A., University of Colorado, '36; M.A., '37; University of Denver, summer, '38; University of California, summer, '38; Northwestern University, summer, '41; instructor and assistant to the dean, Stephens College, '39-'43; C.A.A. and W.T.S. instructor, University of Missouri, '43-'44; A.A.P. instructor, University of Missouri, '43-'44.

MARY MUNKER WARNER, Assistant Professor of Education; Director of Teacher Placement. (1926)
Ph.B., Denison University, '13; Life Certificate, Western Michigan College, '15; graduate student, Teachers College, Columbia University, '18; director of rural practice, Western Michigan College, '19-'22.

BYRON ALLEN WILLIAMS, Assistant Instructor in Art. (February 1945)
Private study under Agnes Ludwick, '27-29; St. Louis School of Fine Arts, '39-'43; studied and assisted under Carl Mose, Gaetano Cesare, Fred Conway; studied under Paul Manship and Harry Rosen, Pennsylvania Academy of the Fine Arts, '44.

THOMAS ORR WALTON, Olney Professor of Mathematics. (1921)
COMMITTEES OF THE FACULTY

1. PRESIDENT'S CABINET:
   Thompson, Bachelor, Cornell, Donaldson, Hames, Hauptman, Hinckley, Hornbeck, Stowe.

2. DEAN'S COMMITTEE (Educational Policies and Methods):
   Hinckley, Diebold, Donaldson, Dunsmore, Hauptman, Hightower.

3. ADMISSIONS, SCHOLARSHIP AWARDS, STUDENT AID, LABOR AND HOUSING:
   Hinckley, Bachelor, Hames, Hauptman, Stowe.

4. SCHOLARSHIP:
   Hinckley, Donaldson, Hames, Hauptman, Simpson.

5. PERSONNEL:
   Hauptman, Donaldson, Hightower, Hinckley, Waite.

6. SOCIAL ACTIVITIES:
   Donaldson, Earl, Overley, Waite.

7. INTRA-FACULTY SOCIAL AFFAIRS:
   Matson, Donaldson, Earl, Mrs. Hames, Mrs. Hornbeck, Mrs. Maxwell, Orc, Overley, Waite.

8. RELIGIOUS AND CULTURAL AFFAIRS:
   Dunsmore, Batts, Cowherd, Donaldson, Overley, Hightower, Warner.

9. PHYSICAL EDUCATION AND STUDENT HEALTH COMMITTEE:
   Stowe, Colby, Donaldson, Matson, Maxwell, and Medical Staff.

10. ALUMNI RELATIONS:
    Hames, Dunsmore, Colby, Earl, Erickson, Walton, Warner.

11. HONORS, INDIVIDUALIZATION AND GRADUATE STUDY:
    Hornbeck, Cornell, Hauptman, Diebold, Hemmes, Hinckley, Simpson, Stowe.

12. COLLEGE PUBLICATIONS:
    Hauptman, Bachelor, Beckwith, Colby, Hames, Hinckley, Mulder.

13. PLACEMENT:
    Hames, Warner, Hinckley, Donaldson, Bachelor.

14. LIBRARY:
    Mather, Cowherd, Dunsmore, Hightower, Olmsted, Warner.

15. STUDENT PUBLICATIONS AND FINANCES:
    Hinckley, Bachelor, Colby, Mulder, Walton, and Students.

16. HONORARY DEGREES:
    Simpson, Thompson, Hinckley, Hornbeck.

General Information

PURPOSE

"Kalamazoo College is a fellowship in learning." Its chief aim is the development of personality. To the end that the student may realize the fullest possible measure of individual growth and may function intelligently as a social being, the College strives to attain the following specific objectives:

1. Religious. Kalamazoo College endeavors to develop in the student Christian attitudes and convictions which will manifest themselves in his conduct and in all human relationships.

2. Intellectual. Kalamazoo College endeavors, through the medium of a curriculum of liberal arts and sciences, to develop in the student sound knowledge, open-mindedness, reasoned judgment, and creative scholarship. It seeks to inspire intellectual curiosity and a love of truth, and to cultivate the power to think.

3. Social. Kalamazoo College believes that the social graces are an essential element in education. Hence it aims to provide on the campus such a social program as will foster these qualities in each individual.

4. Physical. Kalamazoo College realizes the importance of physical well-being to a well rounded life. It seeks to promote the establishment of good health habits, to encourage wholesome recreation, and provide opportunities for the attainment of skill in various sports.

5. Vocational. Kalamazoo College recognizes the importance of serving the vocational interests of its students in so far as is consistent with the concept of a liberal education. Certain of its courses have a distinctly vocational emphasis.
Conferences and discussions setting forth the claims of various professions and occupations are held from time to time.

6. Cultural. Kalamazoo College seeks to provide opportunities for its students to develop an understanding and appreciation of great literature, art, music, and drama. "The end of learning is gracious living."

The administration is aware that the total educational program of the campus community depends as much on contacts between faculty members and students as on precepts, devices, methods, and techniques in teaching. Therefore in the selection of members of the teaching staff the attempt is made to secure people whose previous experience and personal characteristics will promote a wholesome cultural atmosphere in all phases of college life. Care is also taken to provide social and religious occasions designed to build up desirable campus influences.

**HISTORICAL SKETCH**

Kalamazoo College is the product of two vital forces which were operating a century ago along America's vast western frontier—religion and democracy.

The religious impulse was represented by the Reverend Thomas W. Merrill, a Baptist missionary from New England, and the democratic impulse by a Michigan pioneer, Judge Caleb Eldred of Climax. Beginning in the summer of 1830, these two men labored incessantly to establish an institution of learning, and in spite of almost insuperable difficulties they and their friends succeeded in securing a charter from the Territorial Council on April 22, 1833, for a school known as The Michigan and Huron Institute. In 1835 Bronson (later called Kalamazoo) was selected as the site, and in 1836 the first building was erected and instruction was begun.

During the next seven years, under Principals Nathaniel Marsh, Nathaniel A. Balch, David Alden and William Dutton, the Institute, in spite of inadequate equipment and small financial resources, carried on a high type of work, somewhat below the collegiate level, for both men and women. In 1837 the name was changed to The Kalamazoo Literary Institute, and in 1840 the school was merged with the local "Branch" of the University of Michigan, a relationship which continued until 1850.

In 1843 a new era in the life of the Institute began with the appointment of the Reverend J. A. B. Stone as principal. For the next twenty years the story of the school was the story of Principal Stone and his brilliant wife, Lucinda Hinsdale Stone. Under their progressive leadership the city became a center of education for women, and a theological seminary was established. Largely through the efforts of Dr. Stone the State Legislature in 1855 authorized an amendment to the charter of the Institute, granting to the trustees the power to confer degrees, and changing the name to Kalamazoo College. The present campus was purchased, new buildings were erected, student enrollment was greatly increased, a talented faculty was built up, and the curriculum was enlarged.

The Stones resigned in 1863 and the College entered a period of prolonged adversity which lasted until 1892. John M. Gregory, 1864-67; Kendall Brooks, 1868-87; Monson A. Willcox, 1887-91; and Theodore Nelson, 1891-92; presided over the destinies of the institution. The chief characteristics of this period were not the expansion of academic structure nor the erection of buildings, but noble character, unquenchable faith, and genuine scholarship. Under President Arthur Gaylord Slocum, 1892-1912, the modern development of the College began. The first modern building, Bowen Hall, was erected in 1902. Endowment funds, hitherto negligible, were raised, new educational facilities were provided, and the College became better and more widely known.

The presidency of Herbert Lee Stetson, 1912-1922, was marked by an immediate and radical reconstruction of the curriculum. Further important developments followed, including the purchase of new laboratory equipment, the erec-
tion of a gymnasium, the creation of a modern library, and the raising of additional endowment funds.

Under Dr. Stetson's guidance the College met successfully the problems arising out of World War I. At the close of the war enrollment had increased beyond any previous record and the College faced the critical need of expansion. A large program of expansion was formulated, but marked growth in the physical plant and equipment was not realized until the presidency of Allan Hoben, 1922-1935.

Dr. Hoben's administration was characterized by remarkable progress in several directions. Four major college buildings were erected: Mary Trowbridge House (the residence for women), Olds Science Hall, Mandelle Library, and Stetson Chapel. The gymnasium was enlarged to nearly twice its original capacity, and the president's house and seven faculty homes were built on the upper campus. Endowment funds were increased to nearly two million dollars, and student enrollment reached a new high point. Educational standards were enhanced and the College received the highest academic recognition. President Hoben's ideals for the College were summed up in his own phrase, "A Fellowship in Learning," and a significant portion of them had been realized when the College celebrated its Centennial in October, 1933.

In September of that year Dr. Hoben's failing health demanded that administrative assistance be provided, and the Board of Trustees appointed Professor Charles True Goodsell, since 1928 head of the History Department, as Vice-President. Dr. Hoben died on April 29, 1935, and Professor Goodsell was appointed Acting President.

This interim period ended with the election, in June, 1936, of Stewart Grant Cole, for twelve years professor of Religious Education at Crozer Theological Seminary, Chester, Pennsylvania, as President. Dr. Cole was inaugurated as ninth president of the College October 17, 1936. After a brief administration of two years, Dr. Cole resigned in April, 1938, and in June of the same year the Board elected Dr. Paul Lamont Thompson, for five years president of Shurtleff College, Alton, Illinois, as tenth president of the College.
LOCATION—KALAMAZOO

The city of Kalamazoo, with a population of about 80,000, is situated at the great bend of the Kalamazoo river, where the stream turns north. It lies midway between Detroit and Chicago, on the Michigan Central railway. The surrounding hills, beautifully wooded, offer many attractions; numerous lakes are found in the vicinity, and the Michigan fruit belt lies near at hand to the west.

Kalamazoo is an industrial and transportation center of considerable importance. Train service is excellent in all directions, as is also interurban bus service.

The city offers exceptional educational and cultural advantages. Students are admitted to the regular concert courses of the greatest artists at nominal prices. The Civic Theatre maintains the legitimate drama and offers opportunity to amateurs. Its equipment is not surpassed in the entire country. The Kalamazoo Institute of Arts and the Kalamazoo Public Library enrich and serve the community in generous fashion, while the Kalamazoo Symphony Orchestra is known far and wide for its excellence. All of these advantages, over and above the work of the College, are available to the student at negligible cost.

The welfare and religious agencies of Kalamazoo are highly developed. The former offer extensive clinical and field experience to students in sociology and the latter provide adequate church connection, religious guidance, fellowship, and opportunity to students of all faiths. It is the policy of the College to work in close cooperation with all the churches and to conserve the religious life of the students through the medium of normal church relationships.
The college campus of over forty-seven acres lies between West Main and West Lovell Streets, in one of the best residence sections of the city. It is about a mile from the central retail district. Most of the buildings are located in a hardwood grove on the hill. The athletic field is at the eastern end of the campus on Michigan Avenue.

Bowen Hall

Bowen Hall, built in 1902, is the principal office building. On the third floor are located an assembly hall, redecorated in 1944, the drama workshop, known as the East room, the radio studio, and three well furnished rooms for the women's literary societies. The assembly platform is well equipped for the presentation of plays by the College Players and by the classes in dramatics.

Biology Laboratories

The biology laboratories occupy four well lighted rooms on the first floor of Bowen Hall. Adjacent to these laboratories are store rooms, a large general lecture room, a photographic darkroom, a glass room, a preparation room, an office, and a conservatory. The department maintains a reading room where selected periodicals, many reprints, and papers of importance are kept on file. The work of instruction and research is carried on with the aid of suitable apparatus such as microscopes, binocular dissecting scopes, camera lucida, hand magnifiers, immersion lenses, paraffin baths, warming ovens, rotary cellloidin and freezing microtomes, incubators, and other necessary appliances. Portable projection lanterns, charts, models, lantern slides, microscope slides, and illustrative collections are extensively used. A teaching museum of botanical and zoological material is maintained, in addition to a permanent exhibit of some two hundred mounted birds collected in Michigan, Indiana, and Illinois. Each year new apparatus and additional material are procured in order to facilitate a modern, efficient type of laboratory instruction.

Praeger Greenhouse

Through the generosity of friends, a greenhouse was erected in 1925 in honor of the late Professor William E. Praeger. It is conveniently located at the south side of Bowen Hall, is of the best modern construction, and measures twenty-five by eighteen feet. Long needed by the Department of Biology, it makes possible experiments with living plants and provides housing for important illustrative tropical and semi-tropical forms of plant life. It also makes available fresh materials and specimens for the various courses in the department.

R. E. Olds Science Hall

The R. E. Olds Science Hall, built in 1927, houses the physics and chemistry departments. This substantial, fireproof building is the gift of R. E. Olds, a member of the Board of Trustees of the College. Both the building and its equipment embody the best that can be had for scientific study in these two fields. The structure, apportionment of space, exhaust system, electrical, gas and water service, supply system, instruments, and technical apparatus were determined by thorough consideration of the present status of the two sciences to be served and with a view to thoroughness in grounding students in these sciences and carrying the ablest of them through advanced courses toward significant research.

The building and its equipment represent an expenditure of $200,000.

Chemistry and Physics Laboratories

On the basement floor of the Science Hall are the machine shop, the laboratory for dynamo machinery, the photographic laboratory; also storage rooms for both chemistry and physics. On the first floor are the physics lecture room, preparatory room, offices, mechanics and heat laboratory, laboratory for spectroscopy, central battery and switch-board room, laboratory for photometry, and three private laboratories for
advanced students; on the second floor, the chemistry lecture room, stock rooms, balance rooms, offices, six private laboratories for advanced students, and general laboratories for quantitative analysis, physical chemistry, research, and physiological chemistry; on the third floor, stock rooms, balance rooms, and general laboratories for inorganic and organic chemistry and qualitative analysis. A Foucault pendulum tower in the center of the building provides for demonstrating the rotation of the earth.

For the course in astronomy a four-inch refracting telescope is mounted on a knoll about a mile south of the city limits where there is an unobstructed view of the whole sky and no interference due to electric lights. This telescope has an equatorial mounting, accurately divided circles, and electric-clock drive. The equipment for astronomy also includes a mechanical model of the solar system; a special globe to illustrate precession of the equinoxes; one hundred lantern slides; large-scale star maps, and a number of special devices for lecture-table demonstrations.

**Stetson Chapel**

On April 22, 1932, Founders Day of the College, the Stetson Chapel was dedicated. This beautiful building, costing $100,000, was made possible by the gifts of alumni and friends as a fitting tribute to the late Dr. Herbert Lee Stetson, for many years president of the College. The building is a combination of the New England meeting house style with an Italian tower. The auditorium seats 750 people. Daily chapel services, commencement exercises, sacred concerts, vespers, and Christmas carols are held in this building.

The Hoben Memorial Organ was installed in the Chapel in the fall of 1936. It is a comprehensive three-manual instrument, built by M. P. Moeller, Inc., thoroughly modern in all details, tonally a distinctive masterpiece, and graced with a console of unusual beauty. The organ is used regularly at the daily chapel services and from time to time formal recitals are given by distinguished guest organists. The organ is available to organ students for practice.

**The Music House**

The South Street Music House, located within a five-minute walk of the campus, houses the applied music department. This fine old residence has been extensively remodeled and adapted to the needs of instructors and students. Well-appointed studios and roomy practice rooms are equipped with one or more pianos and suitable furnishings to provide a cheerful atmosphere for the study of music.

**Record Library**

The College owns a comprehensive library of phonograph records. All students are invited to avail themselves of the opportunity to listen to recordings of great music. Students frequently organize informal groups and schedule "listening periods" for this purpose.

**Tredway Gymnasium**

The substantial brick gymnasium was erected in 1911. The building contains office rooms, shower baths, locker rooms, and is provided with apparatus sufficient to care for the needs of the physical education classes and of the indoor sports programs of both men and women students.

During the summer of 1930 the gymnasium was remodeled and enlarged, and named the Arthur C. Tredway Gymnasium. This improvement was made possible by a generous bequest of $50,000 from the late Arthur C. Tredway, of the class of '98. The reconstructed gymnasium provides a playing floor of fifty by ninety feet and has seating accommodations for two thousand people.

The primary purpose of the gymnasium is the physical welfare of all the students rather than the development of small groups of expert gymnasts and athletes.

The central heating plant is housed in the basement of this building.
Stowe Tennis Courts

Adjacent to Tredway gymnasium are five excellent grass-tex tennis courts which were constructed in 1941. Spectators' galleries surround two sides of the stadium, overlooking which is a press box. Besides being used by the college tennis players, the courts are also the scene of numerous local and district tournaments. Since 1941 the Western Junior and Boys' Tennis Championships have been held at Stowe courts for a week during each summer. In August, 1945, the College will hold the National Junior and Boys' Tennis Championships for the third time.

Angell Field

Twenty-two acres of beautiful property just west of the campus proper were purchased during 1944 at a cost of $47,500. Gifts from the Kalamazoo Foundation, the W. E. Upjohn Estate, the Sutherland Paper Company, the Kalamazoo Stove Company, The Upjohn Company, and Charles B. Hays made the purchase possible. The land is being developed for athletic and physical education purposes. A gift of $50,000 has been received from Mr. and Mrs. William R. Angell for development of the field and stadium. This gift was made in memory of their son, Chester M. Angell, who was killed in action over Sardinia in April, 1944. The new field, which will include football field, stadium and press box, baseball diamond, practice football field, and parking area, has been named Angell Field.

President's House

A brick residence of colonial type has been erected on the campus for the President's family. The house is beautifully situated at the extreme western end of the upper campus facing Academy Street and constitutes a distinct addition to the group of college buildings.

Seminar Homes

In harmony with the ideal of Kalamazoo College, a Fellowship in Learning, the trustees erected in 1927 four faculty homes on the southwest corner of the campus. These homes, of the New England colonial type in brick and slate, are used in both the educational and the social program of the College.

The introduction of this idea proved so gratifying both to faculty and students, that in 1930 three additional similar homes were built on the west end of the campus.

College Residences

For Men:

Hoben Hall, the residence for men, is the gift of Mr. and Mrs. E. A. DeWaters, '99 and '00, of Flint. It was opened and dedicated on January 20, 1937. It is a three story fire-proof brick structure with accommodations for one hundred sixteen men. On the first floor are a commodious lounge which may be used for receptions and parties, a central office, a suite of rooms for the house director, a guest room, and an infirmary.

The building is divided into two sections, connected only by the lounge on the first floor. Each section has a shower room and a lavatory on each floor. Most of the rooms are designed for two men but there are several which may be used as single rooms. The rooms are well lighted and completely furnished. A telephone is provided on the second floor of each section, and there is a buzzer in each room by which the occupants may be summoned. Two rooms for games are located in the basement.

For Women:

Mary Trowbridge House, a fire-proof residence for women, was first occupied in the school year of 1925-26. This is a beautiful building in the college grove at the head of Bulkley Street. It is modern in every respect and is attractively furnished. With the Trowbridge Annex, which was opened in October, 1939, the building contains accommoda-
tions for approximately one hundred thirty-two young women, the house director, and the college nurse. Besides the individual rooms, each of which is furnished for two students, there are kitchenettes, a spacious living room, several small parlors, a guest room, playroom, sun parlor, and an infirmary. A terrace and court have been landscaped at the east side of the building. Telephone service is provided on each floor.

**Welles Hall**

This latest addition to the campus quadrangle, made possible by a bequest of the late F. R. Welles, was first occupied in January, 1940. It serves as a dining hall and union and has proved to be a splendid addition to the social facilities of the College. The main dining room contains tables for three hundred guests, a large fireplace, and a spacious platform for speakers, orchestra or other forms of entertainment. The high vaulted ceiling and the arched windows add to its attractiveness and comfort. This room makes possible the holding of large formal banquets and dances on the campus.

On the east wall of the dining room is the mural entitled "The Bridge of Life," made possible by a grant made in the summer of 1940 by the Carnegie Corporation of New York, and by a second grant announced in June, 1941. The painting is the work of Mr. Philip Evergood, who accepted the appointment as temporary member of the faculty with the title of Resident Artist under a Carnegie Corporation Grant. Mr. Evergood began his work early in the fall of 1940, and the painting was completed and dedicated in May, 1942. An interpretation of this beautiful mural has been prepared by Dr. L. J. Hemmes of the Department of Philosophy and is available for the use of visitors to the building.

Kitchen, breakfast cafeteria, refrigerators, and store rooms are housed in a separate wing on the south side. The ground floor contains a large, comfortably furnished lounge where town students and campus students may meet informally.

Included in the building are a soda fountain, check room, powder room, washrooms, and a small dining room for the use of student organizations and other groups.

**Mandelle Library**

By the will of Mary Senter Mandelle, of Stonington, Connecticut, the College received a bequest of $350,000 for the erection and maintenance of a memorial library. This building, called the Minnie Mandelle Memorial Library, is located at the northwest corner of the quadrangle. It was put into service with the opening of college in September, 1930, and was formally dedicated Sunday afternoon, November 2, 1930, as a part of the homecoming celebration.

The College now has not only ample and adequate physical facilities for the handling and housing of its library, but it possesses a library building of exceptional beauty. The Mandelle Memorial Library building provides stack room for 90,000 books. It contains six seminar rooms, a club reading room for informal reading, several lecture rooms, an exhibition room for the Art department, and a room for faculty and trustees, in addition to the reference reading room, which accommodates fifty-six students, and the periodical room, which seats thirty-two. The total number of books on May 1, 1944, was 35,340, including 3,214 bound volumes of periodicals. Two hundred sixty-nine periodicals are regularly received, of which thirty-four are being bound for future reference.

Not included in the above figures is a notable gift of books collected by the late Hon. A. M. Todd, and donated to Mandelle Memorial Library on February 16, 1942, by Mrs. Ethel Todd Woodhams, Paul H. Todd, Alman Todd, and Albert J. Todd, in memory of their father, Albert May Todd.

This collection comprises over 1000 volumes, including many examples of sixteenth and seventeenth century printing and of fine book binding. A splendid hand illuminated manuscript, an antiphonal, probably of the sixteenth century, forms a part of this collection.
The annual expenditure for books and periodicals is approximately $4000. In addition, other books, pamphlets, reports, and magazines are frequently received from various donors.

The open shelves in the reading room contain the general reference books and a large number of others. Students are also allowed free access to the stacks. The members of the library staff are always glad to show students how to use the catalogue, indexes, and reference books, and to aid them in research.

Library hours:
7:45-5:30 and 7:00-9:00 M., T., Th.
7:45-4:30 W.
7:45-5:30 F.
7:45-12:00 Sat.
2:00-5:00 Sun.

The public library of the city is available to students of the College, and the staff there is always willing to cooperate in any way with the college librarian. This fine library contains over seventy thousand volumes. It maintains, also, a splendid list of magazines and journals.

STUDENT ORGANIZATIONS

The students maintain many organizations under their own management. These provide excellent opportunities for recreation, fellowship, and practical experience. The College approves of participation in such activities to any extent which does not interfere with the student's academic work. Members of the faculty assist in the direction of several of the organizations; and a faculty committee, appointed by the President, audits the books.

Faculty approval is required before any new student organization may be formed.
and the Dean of Women, meets regularly once a month to transact the ordinary business of the League. The entire League meets at least once each semester for a business, educational, and social program.

**Men's Union**

The Men's Union was organized in the autumn of 1939. It includes all men students of the College. Its purpose is to sponsor activities and programs of interest to men. Outstanding speakers are heard at the monthly meetings. During the second semester the Union sponsors a series of round-table vocational conferences.

**Literary Societies**

There are six societies, which provide social and literary activities for the students. The men's organizations are: the Sherwood Rhetorical Society, founded in 1851; the Philolexian Lyceum, founded in 1855; and the Century Forum, founded in 1900. The women's societies are: the Eurodelphian Society, founded in 1856; the Kappa Pi Society, organized in 1906; and the Alpha Sigma Delta Society, which was formed in 1920. The regular meetings, scheduled for Wednesday evening of each week, include business, literary, and social programs. Each society holds occasional open sessions to which new students and friends are invited. Five rooms in Bowen Hall and one in Tredway Gymnasium are available for the use of the societies, thus enabling each organization to have a regular meeting place.

**Musical Organizations**

The College Singers, a vested chorus of mixed voices, sings at the daily chapel service and presents special programs from time to time on and off the campus. The repertoire includes sacred and secular choral works, both accompanied and a cappella. Each spring an oratorio or opera is presented, including such works as Dubois' "The Seven Last Words," Mendelssohn's "Hymn of Praise"; Smetana's "The Bartered Bride," and Balfe's "The Bohemian Girl." The annual spring tour through various sections of Michigan and neighboring states has been suspended for the duration. Membership is by try-out in the fall, and is open to all students who can qualify.

The Madrigal Singers, organized in 1940, consists of eight picked voices, four men and four women, who specialize in the study and performance of sixteenth and seventeenth century motets and madrigals.

The Men's Varsity Quartet and the Women's Varsity Quartet prepare specialized programs and provide music for various college and community affairs.

The Women Carolers present the annual Christmas carol service in Stetson Chapel under the auspices of the Women's League. All college women who sing are eligible to participate.

The Orchestral Ensemble offers to players of strings, woodwinds, and other orchestral instruments opportunity to gain ability and experience in the playing of classic and modern chamber music. A string trio and other ensembles, formed from the larger group, broaden the field of work for the more proficient players. These units provide music at various functions as need may arise. Admission is by competitive try-outs under the supervision of the Director.

The College Band is under the direction of a member of the faculty. In addition to providing music for athletic contests, parades, and festivals, the band undertakes a serious study of some of the best overtures and selections. Several concerts are given during the year in Kalamazoo and surrounding territory. Uniforms and some of the instruments are provided by the College. Students having some ability and experience in band work are admitted after consultation with the Director.

*Activities of the band may be curtailed for the duration.*
The *Overley Society* is open to all students enrolled in Applied Music. Program meetings are held monthly, directed by student officers, with members of the Music faculty acting as counselors. The main purpose of the club is to afford its members opportunities to gain experience in public performance.

**Other Student Organizations**

The *International Relations Club* was organized in the fall of 1921, under the direction of the Carnegie Endowment for International Peace. This club is composed of a faculty committee and such students as are particularly interested in matters of international importance. The members discuss questions of international interest, review books, and read papers of current importance. The club also endeavors to bring to the College each year one or two noted lecturers upon international topics.

The *K* Club is composed of all men who have received their college letter for distinction in athletics. In order to win a "K" the athlete must possess good scholarly and moral qualities, as well as marked ability in physical contests. The emblem is given upon the recommendation of the Department of Physical Education when confirmed by the Athletic Board of Control. No awards are made, however, prior to the completion of one semester’s work in the College.

The *Society of Caduceus* was organized in October, 1937. According to its written constitution, its objects are "the promotion of a finer fellowship among the men of the College who are interested in gaining a broader association with the medical profession in its various aspects and requirements, and the stimulation among the entire college body of a wider and more intelligent interest in the problems, achievements, and functions of contemporary biological science." Meetings are held on Thursday evenings twice a month, and the programs consist of lectures by prominent professional men, educational motion pictures, joint meetings with other interested organizations, business meetings, and informal discussions. A library of catalogues of the various approved medical schools has been established and is kept up-to-date.

The *Pan-American Club*, organized in December, 1940, is made up of students who are interested in the study of questions and problems concerning Latin America. Meetings are held once a month.

*Kappa Delta Chi*, organized in the spring of 1941, is open to students who are preparing for the Christian ministry or some other full-time Christian vocation. Its purpose is summarized in the three words: fellowship, study, and service.

*Le Cercle Français*, organized in 1942, is open to students who are interested in using the French language as a means of social intercourse and in participating in the planning and presentation of programs in that language. Meetings are held twice a month.

**Student Publications**

The *Kalamazoo College Index* is a weekly paper published by the student body under the direct management of an elected board of editors working under the Board of Student Publications, which is a joint committee of student and faculty representatives. The paper contains student, faculty, and alumni news, and editorial comment on matters of student and general college interest. The editor-in-chief and the business manager receive financial remuneration for their work.

The college annual, known as the *Boiling Pot*, is published by the student body. It contains many illustrations and records of all student extra-curricular activities.
Kalamazoo College is dedicated to the ideal of Christian higher education. It was founded as a Christian institution and has maintained a religious emphasis during all the years of its existence. The College holds that vital religion is consistent with the highest learning, and, what is more, that education without religious anchorage and control is not only imperfect but dangerous.

Although Kalamazoo College is a contribution of the Baptist denomination to higher education in Michigan, it is, and always has been, unmistakably non-sectarian, striving without denominational bias to develop in its students a Christian philosophy of life and to maintain such influences as will tend to build up strong Christian character.

To this end, a chapel service is held four days each week, and courses in religion are offered. The religious activities of the College are organized under the direction of a faculty committee and a student committee, working in close cooperation. Since Kalamazoo is an important educational center, religious work for students is maintained jointly by the Baptist, Congregational, Methodist, and Presbyterian denominations. Organized in what is known as “The Interchurch Student Council,” with a full-time director, Dr. H. Lewis Batts, this movement, by means of its varied program, ministers effectively to the religious needs of the students.

In addition to this cooperative program, all of the various churches of the city welcome students and provide special facilities for them. The policy of the College is to encourage students to maintain normal church relationships.

But beyond these more formal expressions of its religious purpose, the College endeavors to create and maintain an environment conducive to high thinking and right living, wherein every relationship is permeated by the Christian spirit. The members of the faculty are men and women of genuine Christian character, and the warm, personal interest existing between the student and the instructor is a practical expression of the spirit of the Great Teacher.

Dramatic and Forensic Activities

Kalamazoo College is a member of the Michigan Intercollegiate Speech League, which includes the following: Michigan Intercollegiate Debate League, Michigan Intercollegiate Oratorical League, Michigan Extemporaneous Speaking League, and Michigan Interpretative Reading League. Through the M.I.S.L., affiliation is held with the Interstate Oratorical League. Kalamazoo College has the Michigan Alpha chapter of Pi Kappa Delta, the national honorary forensic society.

All eligible students may participate in the many curricular and extra-curricular dramatic and forensic activities on the campus.

All dramatic activities are sponsored by the Department of Speech. Plays are produced by students in the department and by members of the College Players, an organization open to all students interested in dramatics.

Freshmen, as well as other students, are permitted to try out for oratory, debate, extemporaneous speaking, and interpretative reading. Successful candidates represent the College in numerous state, interstate, and national contests, thus gaining valuable experience in effective public speaking.

College Radio Program

Faculty members and students unite under the guidance of a faculty committee in presenting a weekly broadcast from station WKZO at 1:45 Wednesdays. Opportunity is given for students to organize, direct, and announce programs, and in other ways to become familiar with radio technique. A radio workshop was constructed in 1944.

Athletics

The College is a member of the Michigan Intercollegiate Athletic Association and maintains varsity teams in football, basketball, tennis, golf, track and field sports.

Intercollegiate contests are favored for the stimulation of physical education, college spirit, and rigorous discipline.
Such contests, however, are regulated by the Department of Physical Education, subject to the approval of the faculty Committee on Athletics. They are subordinate to the academic interests of the contestants and of the College as a whole, and are conducted on a high plane of sportsmanship. Eligibility rules are strictly maintained, and students whose college work is unsatisfactory are not allowed to take part in intercollegiate contests.

In order to secure these ends, the Department of Physical Education, inclusive of intercollegiate athletics, is conducted as is any other department of the College.

It is the aim of the College to encourage healthy sports and outdoor life for all students. More important than the success of any team engaged in intercollegiate contests is the training of every student to live a vigorous and effective life.

A schedule of contests in intramural sports is arranged each year. The literary societies for both men and women also sponsor a program of intersociety athletic contests during the late winter and spring.

The Women's Athletic Association was organized for the stimulation of interest in recreation and athletic activities, for the unification of the athletic efforts of the women of Kalamazoo College, and for the formulation of a policy for the control of intramural athletic competition. Any woman of Kalamazoo College may become a member when she has earned 150 points according to the point system of the Association. For retention of active membership, 100 additional points must be earned each year. Points may be earned by practice and participation in seasonal team and individual sports, such as fieldball, soccer, basketball, volleyball, baseball, tennis, golf, archery, badminton, ping-pong, horse shoes, bowling, riding, hiking, swimming, and cycling. The awards are: a membership pin with 150 points; a class numeral with 400 points; a monogram with 750 points; and a chenille "K" with 1000 points.

HEALTH SERVICE

The College seeks to safeguard and improve the health of its students. To this end a college nurse and a college physician are provided. Regular physical examinations are given and free medical service is available on the campus at scheduled hours. However, the student is expected to consult his own physician in cases of serious illness. There is an infirmary in each of the student residences. The College does not assume financial responsibility for treatment of sickness or accident beyond the scheduled calls of the college physician. It is expected that through the courtesy of the Michigan Department of Health an annual x-ray examination for tuberculosis will be given each student free of charge. Each student attends during his first semester a series of lectures on personal health and hygiene given under the direction of the Department of Physical Education. See page 41 regarding hospitalization.

RESIDENCE AND BOARDING

All out of town students are expected to live in the college residences and board in the college dining hall unless excused by the faculty Committee on Student Housing. Rooms and board are not provided during any of the listed vacation periods.

Applications and Deposits:

Application for a room, accompanied by $10 as a reservation fee, should be made early to the Business Manager as rooms are assigned in the order of seniority in college and of applications received. Applicants will be notified promptly regarding their acceptance. No fees will be returned after July 15 because of change of plans on the part of the applicant from entering this or any other college. Upon enrollment, $5 of this fee will be credited upon the student's first semester account. The other $5 is held against any damage to the room, as long as the room is occupied. For statement of fees, see page 41.
Men:

In the rooms in Hoben Hall, the residence for men, each occupant has a single bed, with bedspread, comfortable springs and mattress; a study chair; and an easy chair. A large double study desk, one of the newest type study lamps, and window drapes are provided for each room. Book shelves and dressers are built into the walls. Bed linen and maid service are furnished by the College. The student is expected to provide his own blankets and towels. A key deposit of fifty cents is required, and is refunded when the keys are returned.

House dues of one dollar per year are payable at the opening of the fall semester. This fund is used to maintain the table games, to finance social events, and to supply magazines and newspapers for the lounge. The house fund is in charge of a treasurer of the hall, elected by the men.

Women:

In Mary Trowbridge House each room accommodating two persons is comfortably furnished with twin beds, regulation study table, chairs, mattresses and pillows. Bed linen and maid service are also provided. The student is expected to provide her own blankets, spreads, towels, window curtains, and closet curtains. A key deposit of twenty-five cents is required and is refunded when keys are returned.

House dues of seventy-five cents a semester are collected by the house treasurer and are used for newspaper and magazine subscriptions and such other expenses as are approved by the house council.

Single rooms and rooms with bath:

In both men's and women's residences an additional charge of $25 per semester is made for the privilege of occupying a single room; a charge of $50 per semester is made for the privilege of occupying a double room alone, but this privilege is not granted if the exclusion of other students would result.

In Trowbridge House there are certain rooms with adjoining bath. There is an additional charge of $25.00 per room or $12.50 for each of two students per semester for the privilege of occupying one of these rooms.

Student Government:

The men in Hoben Hall and the women in Mary Trowbridge House are organized under a student government plan, which includes officers and a house council.

COLLEGE FEES

Per Semester

STUDENTS RESIDENT ON CAMPUS.................$400.00

This includes room, board, tuition, matriculation, graduation, music, library, laboratory, and other academic fees. It also includes dues for the senate, the Women's League, the Men's Union, health service, forensics, the Index, the college year book (when issued), and admission to athletic contests. It does not include personal laundry, toilet articles, books, stationery, etc. In addition to the above each student will be provided hospital insurance during the college year. This insurance furnishes full hospital expense for twenty-one days, and one-half rate expense for ninety additional days. For minor illnesses the College provides infirmary rooms in both the men's and women's residences and the services of a resident nurse. If it is necessary for meals to be brought from the dining hall, a small charge is made for each meal to provide for carrying of trays.

STUDENTS NOT RESIDENT ON CAMPUS...........$150.00

This includes tuition, matriculation, graduation, music, library, laboratory, and other academic fees. It also includes dues for the senate, the Women's League, the Men's Union, health service (not hospitalization), forensics, the Index, the college year book (when issued), and admission to athletic contests. If hospital insurance is desired this can be arranged.
In making a flat charge as shown above, the College is endeavoring to avoid the confusion that many parents and students have experienced in the past when separate fees were charged for many different things. However, in view of the current economic situation, the College reserves the right to change the fee schedule at the end of any semester.

**PAYMENTS AND REFUNDS**

Students carrying eight semester hours or more will be charged full tuition. A charge of $15 per semester hour is made to persons carrying less than eight hours.

College fees for each semester are due in full at the opening of the semester. If deferred payments are desired, this may be arranged by paying a slight additional charge. Students residing on the campus may arrange to pay $135.00 at the beginning of each semester, $135.00 at the end of the first six weeks, and $135.00 at the end of the first twelve weeks. Students not living on the campus may arrange to pay $51.75 at the beginning of each semester, $51.75 at the end of the first six weeks; and $51.75 at the end of the first twelve weeks. Attention is called to the fact that students availing themselves of the deferred payment plan sign notes at the beginning of the semester for the balance of the semester's account. Attention is further called to the fact that though a student may drop out of college at any time during the semester, it is expected that the entire semester's fees will be paid; except in case of prolonged illness of the student, necessitating an absence of half a semester or more. In no case is more than one-third of the total amount for the semester refunded.

Men who are drafted or who are called to active duty with the armed forces of the country during any semester will receive a refund covering the portion of the semester they are forced to miss. Such men will also receive proportional credit for all academic work satisfactorily completed up to the time of their withdrawal.

War veteran campus resident students approved by the government for full-time instruction will be given a $25.00 per semester rebate for maintenance.

**STUDENT AID**

In order to assist deserving students to avail themselves of the benefits of higher education the Board of Trustees of the College has set aside certain funds, the income of which, together with that from various specifically designated gifts, is disbursed in the following forms:

1. Scholarship funds given for excellence in academic work.
   a. Six scholarships are awarded annually on the basis of a competitive examination held at the College. The examinations cover the academic subject-matter fields of English, mathematics, natural science, and social studies. The value of the scholarships ranges from $100 to $300 per year. They are renewable for the entire college course provided the recipient maintains a high scholastic record.

   b. Other scholarship awards are made, up to the limit of the funds available, on a non-competitive basis. The value of these awards ranges from $50 to $100 per year. Any high school senior who has attained an average grade of B or better for all of his work up to the middle of the senior year, and who ranks in the upper tenth of his class, is eligible to apply. The applicant must show need of assistance in financing his college course. The awards are renewable for the entire college course provided the recipient maintains a high scholastic record. Candidates are required to make written application on blanks provided by the College.

   c. Special scholarship awards are made to applicants who plan to study for the ministry or some other type of religious work. Except in special cases the applicant must have a high school record which would qualify him for a regular scholarship (see b above). The amount of these awards varies.
2. The President's Scholarship.
This award which carries a stipend of $350 for the first year and $100 for each year thereafter is open to both men and women. The following factors enter into the selection: high scholastic standing; leadership in worthwhile student and community affairs; special achievement in some one field of activity; superior character and personality; good health; definite educational plans beyond the freshman year. A personal interview with the President is required before the award is made.

A small fund is reserved for the aid of deserving students who do not qualify for scholarships. Except in special instances these awards are confined to sons and daughters of ministers and missionaries and students from foreign countries.

4. Employment on the campus.
A limited amount of employment on the campus is provided for students who need assistance in financing their college course.

5. President's Loan Fund.
The President of the College has at his disposal a small loan fund for the assistance of worthy upperclassmen.

This fund of $600, established in 1942 in memory of the late Professor Goodsell of the department of History, is available for loans to deserving students.

7. The Fred Everett Loan Fund.
This special loan fund was established in 1942 by Mr. Fred Everett of Seattle, Wash., a former student of the College. It amounts to $1,000.

8. The Kurtz-Bennett Loan Fund.
This fund of $350, established in 1943 by Dr. Charles J. Kurtz, '94, is available to earnest students of the sophomore, junior, and senior years.

9. The Anne and Eleanor Kirby Fund.
This fund of $500, established in 1943 by Mr. and Mrs. Lewis H. Kirby, is used to assist deserving members of Alpha Sigma Delta in the sophomore, junior, and senior years.

10. The D. A. R. Loan Fund.
The local society has provided Kalamazoo College with a fund of $200.00 to be loaned to worthy students.

11. The Christina Redpath Munro Fund.
A fund of $150.00 established in 1943 by her daughter, Mary Munro Warner. Special loans are made from this fund.

The College also cooperates with students in securing financial aid from other sources. A number of funds are available from which loans may be obtained. Juniors and seniors are usually able to obtain assistance from one of the following sources: the Knights Templar Educational Foundation; the Kalamazoo College Women's Council; the Kalamazoo College K Club; the D. A. R.; the Kalamazoo Kiwanis Educational Aid Fund; the American Bankers Association Loan Scholarship. First year students are usually not eligible to apply for such loans. The local chapter of the A.A.U.W. has a loan fund which is available to senior women. The Student Employment Committee assists students to find desirable remunerative employment in the city.

Further information regarding all forms of scholarships and grants-in-aid may be obtained by addressing the Committee on Scholarship Awards. Inquiries regarding employment should be addressed to the Committee on Student Employment, and those relating to loans should be sent to the Business Manager.

Application for any form of student aid should be made as early as possible, since the funds available are strictly limited. Applications for aid in any academic year should be made not later than six weeks prior to the beginning of that year.
ENDOWED SCHOLARSHIPS*

THE CHARLES WILLARD STUDENT AID FUND, established in 1896 by the late Charles Willard in the amount of $57,215.70.

THE JOHN M. GREGORY AND LOUISA C. GREGORY SCHOLARSHIPS, established in 1920 by bequest of Mrs. Louisa C. Gregory in the amount of $6,000.

THE EMMA O. REED SCHOLARSHIP, established in 1924 by Mrs. Emma O. Reed in the amount of $5,000. The income of this fund is to maintain a scholarship for applicants from Ingham County.

THE THOMAS T. LEETE, JR. SCHOLARSHIP, established in 1935 by the bequest of Thomas T. Leete, Jr., in the amount of $5,000.

THE JESSE HOYT AMES SCHOLARSHIP, established in 1940 by the bequest of Dr. Edward Ames in the amount of $5,000.

THE JOSEPH W. HICKS SCHOLARSHIP, established in 1911 by Mrs. H. D. Hicks in the amount of $4,000. The purpose of this scholarship is to promote a higher grade of scholarship in the Plainwell (Michigan) High School and to stimulate a desire for higher education. Representatives of the Plainwell School Board and of Plainwell High School nominate the recipient of this scholarship.

THE LEWIS A. TAFT SCHOLARSHIP, established in 1873 by the late Lewis A. Taft in the amount of $2,540.

THE H. B. LATOURETTE SCHOLARSHIP, established in 1909 by the late H. B. LaTourette in the amount of $2,000. In awarding this scholarship preference is given to candidates recommended by the First Baptist Church of Fenton, Michigan.

THE EMMA WHYLAND SHARP SCHOLARSHIP, established in 1935 by the late L. A. Sharp in the amount of $2,000. The income from this sum is to assist worthy students in Kalamazoo College; preferably in music. The recipient of this scholarship is to be chosen each June by a committee headed by the pastor of the First Baptist Church of Alma, Michigan.

THE AXTELL SCHOLARSHIP, established in 1876 from the estate of Miss Hannah Axtell, of Detroit, in the amount of $1,000. The interest of this fund is to be used for the benefit of students preparing for the ministry.

THE C. VAN HUSAN SCHOLARSHIP, established in 1892 by the children of the late Caleb Van Husan in the amount of $1,000. The income of this fund is to be used to aid students preparing for the ministry.

THE PRAEGER SCHOLARSHIP IN BIOLOGY, established in 1934 by friends and former students of the late Professor William E. Praeger, in cooperation with the University of Michigan. The purpose of this scholarship is to make possible for outstanding juniors and seniors a summer's study at the Douglas Lake Biological Station of the University of Michigan. Undergraduate or graduate courses may be pursued.

THE HORACE J. AND LIZZIE P. FULLER FUND, established in 1944 in the amount of $5,000 through the bequest of Mrs. Lizzie P. Fuller. "Worthiness, character, and need of the recipient shall be given as much consideration as scholastic ability."

THE HOFF SCHOLARSHIP, established in 1944 in the amount of $1,000 by Mr. and Mrs. Robert H. Hoff. The principal and interest are to be used as a scholarship for

* In connection with certain of these scholarships there are special stipulations made by the donors. Full information may be obtained from the chairman of the Committee on Scholarship Awards.
students from Grosse Pointe High School, Grosse Pointe, Michigan.

The Colef Scholarship in Chemistry, established in 1943 in the amount of $500.00 in honor of Dr. Lemuel Fish Smith. The principal and interest to be used to help worthy students in chemistry, special consideration being given to applicants from the high school of Benton Harbor, Michigan.

A Music Education Scholarship, with an annual stipend of $250, is maintained through the courtesy of a friend of the college. The award is made by competitive examination to a student interested in preparing himself as a music educator in either institutional or private fields. The scholarship is open for award for the coming season. Complete information will be sent upon application to the Head of the Music Department.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

The Upjohn Research Scholarship in Chemistry, amounting to $750 a year, is awarded by the Upjohn Company of Kalamazoo to a graduate of the College recommended by the department of Chemistry. The work done by these scholars in the research laboratory of the Upjohn Company is in pure chemistry, is supervised by the research director for Upjohn scholars, and leads to the degree of Master of Science. Fees amounting to $35 for the year are paid by each scholar.

The Arthur L. Blakeslee Scholarship in Municipal Administration, the gift of Mr. Arthur L. Blakeslee, a trustee of the College, is awarded to a graduate of an approved college or university. The fellow under this award is assigned to the staff of the Kalamazoo Bureau of Municipal Research where his theoretical study of government administration is supplemented by contact with the processes of a functioning governmental unit. Applicants who have completed an honors major in Public Administration may expect to complete the work for the Master's degree in one year. The scholarship carries a stipend of $400 for the year. From this amount the regular college fees must be paid. Application should be filed by March 15. Blanks may be obtained by writing the Secretary of the Faculty, Kalamazoo College, Kalamazoo, Michigan.

The W. E. Upjohn Unemployment Trustee Corporation Research Fellowships, granted by the trustees of the W.E. Upjohn Unemployment Corporation, are awarded to graduate students who are engaged in research in connection with the Kalamazoo Bureau of Municipal Research. The work involved and the conditions on which the Master's degree may be earned are the same as for the Arthur L. Blakeslee Scholarship announced above. Each fellowship carries a stipend of $600 a year. From this amount the regular college fees must be paid. Application should be filed by March 15. Blanks may be obtained by writing the Secretary of the Faculty, Kalamazoo College, Kalamazoo, Michigan.

ADMISSION

Students are admitted to the College at the opening of each semester. During the war particular care is being taken to provide suitable course offerings for those who find it possible to enter at the opening of the second semester.

Applications for admission should be directed to the Registrar. The Faculty Committee on Admissions acts on all such applications. It is expected that all applicants will fulfill the following requirements. Under exceptional circumstances, however, mature persons without regular preparation for college entrance are permitted to pursue special studies.

1. The applicant must present on the blanks supplied by the College a complete record of his medical history signed by his physician. No applicant is allowed to enroll before submitting this blank, completely filled out.

2. The applicant must show that in pursuing his educa-
tional and vocational program he stands to profit from the offerings of this College.

3. The applicant must apply for admission on blanks furnished by the College and must certify his willingness to accept the standards of conduct maintained in this institution.

4. The applicant must be a graduate of an approved high school or have completed an equivalent amount of work, and should be recommended by the school authorities as possessing the ability to do college work.

5. The applicant is expected to have completed in a creditable manner a course of secondary school studies which is in accord with one of the following plans. However, an applicant who has completed his high school course with exceptionally high grades but has not conformed to either of the following plans may be admitted by special action of the committee.

6. Whenever possible, a visit in the home or a personal interview takes place before a student is admitted.

7. The College encourages all new students to visit the campus at their earliest convenience.

Plan 1: Under this plan, students applying for entrance must present by certificate from approved schools or by examination 15 units of entrance credit including the following:

- English, 3 units.
- History, 1 unit.
- Foreign Language, 2 units of one language.
- Algebra, 1 unit.
- Laboratory Science, 1 unit.

At least 12 of the fifteen units offered must be in academic subjects.

Plan 2: Under this plan the total amount of work required for admission remains the same as under Plan 1, fifteen units, but is stated in the form of specified sequences. Students may select their sequences from these groups.

A minimum of four sequences must be presented, which must include a major sequence from Group A and at least one other major sequence. Not more than one of these required sequences will be accepted from any one group except Group B. Sequences may be presented from two languages.

A. English. A major sequence of three or more units.

B. Foreign Language Group.

A major sequence consists of three or more units of a single language; a minor sequence consists of two or two and one-half units of a single language. The foreign languages acceptable for a sequence are Greek, Latin, French, German and Spanish.

C. Mathematics-Physics Group.

A minor sequence in this group must include one unit of Algebra and one unit of Geometry. A major sequence is formed by adding to this minor sequence one or more units from the following:

- Advanced Algebra ½ or 1 unit.
- Solid Geometry ½ unit.
- Trigonometry ½ unit.
- Physics 1 unit.
- Aeronautics 1 unit (if not counted in group D).

D. Science Group.

Any two units selected from the following constitute a minor sequence and any three or more units constitute a major sequence.

- Physics, 1 unit (if not counted in group C).
- Chemistry, 1 unit.
- Botany, 1 unit.
- Zoology, 1 unit.
- Aeronautics, 1 unit (if not counted in group C).

If Biology is counted in these sequences neither Botany nor Zoology can be counted.
E. Social Studies Group.

A total of two or two and one-half units selected from the following constitutes a minor sequence; a total of three or more units, a major sequence.

- Ancient History, 1 unit.
- European History, including English History, 1, 1½, or 2 units.
- American History, ½ or 1 unit.
- American Government, ½ unit.
- Economics, ½ unit.

The remaining units required to make up the necessary fifteen units are elective from among the subjects listed above and any others which are counted toward graduation by the accredited school.

The Committee on Admissions has authority, with the consent and approval of the departments of instruction most intimately concerned, to accept other courses as substitutes for certain of the units listed in the various groups. Only courses well organized and competently taught will be considered, and any school desiring the privilege of such substitution for its graduates should furnish the committee with detailed descriptions.

Under this plan greater responsibility is placed upon advisers and students in high school for so choosing subjects as to make it reasonably certain that students entering college will not find themselves unable to take certain courses because of failure to secure the necessary preparation for the advanced work. This is particularly true in regard to mathematics, as elementary algebra and plane geometry are not taught in the College.

* Half units in the social studies are acceptable as part of a sequence only if taken in the 11th or 12th grade.
ADMISSION TO ADVANCED STANDING

A student who desires credit for work done elsewhere must file with the Registrar a written application for the adjustment of his credits. This application and detailed evidence of the work on which credit is desired must be placed in the hands of the Registrar during the first semester of residence.

A student coming from another college must present a certificate of honorable dismissal and a formal statement of his college record. No candidate for the Bachelor's degree may enter later than the beginning of the senior year.

The College Program

COUNSEL AND GUIDANCE

Each new student is assigned a faculty adviser and a student counselor at the opening of the college year. These counselors assist him in planning his program, in making the proper adjustments to college life, and in meeting the various problems that arise during his first year on the campus. After the student chooses his major field of study, he is expected to select as his adviser one of the members of the faculty teaching in this field.

Cumulative records are made of the student's activities and achievements. Psychological, personality, and vocational aptitude tests are given. Physical examinations are given at regular intervals and a careful record of the health of the student is kept. Using these data, the director of student personnel, the deans and the faculty advisers seek to provide helpful and intelligent direction and guidance for each student, based upon his peculiar interests, needs, and capacities. The materials assembled in the cumulative record also are used by the Placement Committee in assisting students to find opportunities for further study or employment upon graduation from college.

Members of the faculty are in their offices at regular hours for conferences with students. In addition to this, students are frequently invited to the faculty homes, and faculty members are often visitors at the college residences. A coffee hour in the lounge of Hoben Hall once or twice a month provides a further opportunity for friendly fellowship between students and faculty. Vocational counselors are brought to the campus each year to confer with students.

STUDENT CONDUCT

Kalamazoo College seeks to develop in the individual student that keen sense of personal responsibility which
makes for good citizenship in a democratic society. By becoming a useful and cooperative member of the college community, the student prepares himself to be a desirable member of that larger society which he enters upon graduation. He learns to respect the rights of others and to be tolerant of beliefs and ideas which differ from his own. The College concerns itself with the task of cultivating good manners and the social graces in its students. For these reasons the experience of living together in the college residences is considered an important part of the educational program of the College.

The College reserves the right to dismiss any student who does not maintain high standards of personal conduct or who refuses to respect the rights of his fellow students. The standards of the College do not permit gambling or the use of alcoholic beverages on the campus.

CHAPEL

The college chapel services are a vital part of the educational program. Religious devotions, fine music, and inspiring talks by faculty members and outside speakers are included in the chapel programs. Chapel is held four times a week for twenty minutes and all students are required to attend regularly. Everything sectarian or offensive to members of any particular religious faith is rigidly excluded.

STUDENT ACTIVITIES

Student activities, carried on under faculty supervision, are regarded as an integral part of the college program. They provide varied opportunities for wholesome self-expression. Every student is encouraged to participate in at least one activity each year. Each student is expected to earn four activity credits during his college course. An activity credit is awarded for participation in one of the activities listed below or for holding a major office in a student organization. The number of such activities in which he may take part is determined, in conference with his faculty adviser, according to his individual tastes and capacities, his academic load, and the amount of self-help employment which he has. No student may participate in more than two activities during a given semester without the approval of the Deans.

These activities include varsity, freshman, and intramural sports, band, orchestral ensemble, College Singers, oratory, debate, extempore speech, interpretative reading, dramatics, work on the college paper or yearbook, International Relations Club, Caduceus Society, Overley Society, Pan-American Club, Le Cercle Francais. The elective offices of the student body, the four classes, and the literary societies often involve considerable responsibility and are also considered in determining the total load which a student may carry.

ATTENDANCE

Students are expected to be present at all regular class or laboratory sessions of the courses which they elect. There is no system of allowed absences. A student who finds it necessary to be absent should confer with the instructor. Absence for any other reason than illness may not be excused either by an administrative officer or by a faculty member. And it is not expected that teachers will assist students to make up work missed during absences unless such absences are due to illness or some equally valid circumstance. Instructors report to the Dean any student who has three consecutive absences and warn any student whose absences have reached a point where his class standing is endangered. If such warnings are disregarded, the student may be excluded from the class.

The College reserves the right to dismiss any student who is unwilling or unable to maintain reasonable standards of work. Students admitted on trial or placed on probation during any college year must show steady improvement in their work.

EXAMINATIONS

At the end of each semester students are examined in all the studies of that semester. These examinations are written
and usually last from two to three hours. A student reading for honors may be excused from course examinations in the field of study in which he is working. In lieu of these, a comprehensive examination is taken at the close of the senior year.

Supplemental examinations for students with standing E are held twice during the college year, on the first Wednesday of the fall semester, and on the first Wednesday following the spring recess. These examinations are given at 1:30 p.m., and are in charge of a proctor appointed by the Dean.

STANDINGS

The student's standing is found by combining the examination, class, and laboratory records. Every student receives a report card at the end of each semester on which the standing is expressed by the letters A, B, C, D, E, F, and I. A signifies a high standing; B, good; C, fair; D, passed; E, condition; F, failure I, incomplete. A gives three quality points per credit hour; B, two; C, one; and D and F, none.

Students with standing E in any course are given one opportunity to receive credit with D standing by passing satisfactorily a supplemental examination; but unless this supplemental examination is taken and passed satisfactorily before the course is given again the grade E automatically becomes F. Students with standing F receive no credit for the course; those with standing I may receive credit on completion of a definite portion of the work of the course before a date fixed by the instructor; but unless removed before the end of the following semester, an I automatically becomes an F.

Reports of grades are sent regularly to parents or guardians at the close of each semester; mid-semester reports for students on probation are sent to parents. On request, grade reports are sent to the schools in which the students were prepared.

Transcripts. Each student is entitled to one transcript of his record free of charge. Additional copies are supplied at a cost of one dollar each. Transcripts are furnished for the duration free of charge for former students while in the armed forces. When asking for a transcript the student should give his full name and the dates of attendance.

STUDY HALLS

A study hall is maintained in each of the dormitories in order to encourage students and to help them adjust themselves to the college curriculum. All freshmen are requested to attend study hall two nights a week during the first semester. During the second semester all students with grades below C are required to attend. The study hall is supervised by an upperclass student, employed by the college to handle this particular service.

THE COURSE OF STUDY

The course of studies leading to the degree of Bachelor of Arts is designed to give the student a general understanding of the major divisions of the curriculum and to provide for a considerable measure of concentration in some one department or field of study.

During the first two years of the course general education is stressed. The student is required to elect courses in different divisions, with options which allow for differences in individual preparation and tastes. He is also expected to take such elementary or intermediate courses in his proposed field of concentration as will later make possible the successful completion of his major work. During the last two years the student is expected to devote the major portion of his time to the field or department in which he desires to specialize, although opportunity is provided for broadening by means of free elections in other departments.

Individualized Courses

In order to make the college course more flexible, and especially in order to give the student freedom to pursue a subject as rapidly as his ability permits, the faculty has approved the development of individualized courses in which
the needs and interests of the students may be adequately served. These courses are announced by the different departments, with a statement regarding their nature and content and the amount of credit to be given, it being understood that the actual work may vary in individual cases and from year to year. Such courses are uniformly numbered 191-199.

Concentration

In order to provide for some degree of concentration in the college course, each student, near the end of the sophomore year, selects a major subject to which he intends to devote his particular attention. The student may do his major work in a certain department or in a field of study which embraces work in two or more related departments. If he does his major work in one department he must complete at least twenty-four hours of work in that department with a grade of C or better in each course. If he chooses to do his major work in a field of study he must complete at least forty hours of work in that field with a grade of C or better in each course. In either case the work must be distributed through at least four semesters.

Not more than forty hours of work in any one department may be counted toward graduation. If the student does his major work in a department he must also complete two minors of twelve hours each, one of which must be in a department which is not in the same division as his major. If the student does his major work in a field of study, he must complete one minor of twelve hours in a department unrelated to his major work.

The choice of major and minor subjects may be changed later in the college course for good reason.

Requirements for the Bachelor's Degree

1. All candidates for the degree of Bachelor of Arts must complete satisfactorily 120 semester hours* of work with 120 quality points (See page 58), including the following:

   a. Six hours of Rhetoric 1, 2, unless permission is given to substitute an equal amount of advanced work in rhetoric.

   b. One year's work of at least eight hours in a laboratory science.

   c. One year's work of at least six hours in one of the departments in Division IV exclusive of Education. Economics 19, 20 may not be used to satisfy this requirement.

   d. One second year course of at least eight hours in a modern foreign language; and either one other year of at least six hours in foreign language, or six hours in English or speech in addition to requirement a above. In making recommendations for university graduate fellowships preference will be given to those graduates of the College who possess a good reading knowledge of French and German.

   The above required work should be taken as early in the course as possible, and it must be completed before the beginning of the senior year.

   e. One year's work of at least six hours in Division III exclusive of courses in applied or ensemble music and studio art.

   Students majoring in science who are candidates for graduate scholarships or fellowships may with the consent of their adviser substitute for this requirement a third year's work in French or German.

   f. A major of at least twenty-four and not more than forty hours in one department with standing C or better in each course, extending over at least four semesters.* (See page 60). Students entering from another college must complete at least two semesters' work in their major at this College unless excused by the department.

* Majors are offered in art, biology, chemistry, economics, English or English literature, French, history, mathematics, music, philosophy, physics, psychology, political science, religion, sociology, Spanish, and speech.
g. Two minors of at least twelve hours each, extending over at least four semesters. One of these minors must be in a department not closely related to that of the major.

h. In lieu of f and g above the student may with the approval and upon the advice of his adviser elect to complete a group major of at least forty hours and an unrelated minor of twelve hours.

A group major may be referred to as a functional major.

The plan contemplates that the contributions from related departments will serve to give the student insight into the purpose and function of his particular field of interest in the total scheme of complex, dynamic society. Some clinical and laboratory contacts within the field of interest are encouraged.

2. All candidates for the Bachelor's degree must show ability to use correct English. Those who fail to attain a reasonable standard of proficiency by the end of the sophomore year are required to take a non-credit remedial course.

3. Two years' work in physical education is required. It is expected that this work will be completed during the first two years of the course.

4. All college fees and bills must be paid before the degree is conferred.

5. All candidates for the Bachelor's degree are required to earn in residence at least thirty hours and thirty quality points, and to spend their senior year at this College. Students who at the end of their last semester lack not more than nine hours of completing the requirements for the degree may, by special arrangement, be permitted to complete their requirements at a recognized summer school of collegiate rank.

6. All members of the graduating class are expected to attend the commencement exercises.

Acceleration

Students who find it necessary to complete their college work in less than the usual period of eight semesters may, subject to the approval of the Committee on Scholarship, elect extra hours. Fifteen hours is considered a full load for the average student. In a few instances exceptional students with special permission may carry extra hours but in no case may a student be permitted to carry in excess of nineteen hours. Full credit is also allowed for work completed during the summer at any approved summer school of college rank.

This makes possible the completion of the course in less than eight semesters for exceptional students whose strength and ability enable them to carry out such an accelerated program. Any persons desiring to do this should make plans early toward this end with their advisers and inform the Registrar's Office accordingly.

REGISTRATION AND ELECTION OF STUDIES

Before entering upon classroom work students are required to enroll with the Registrar, to file an election blank approved by their faculty adviser, and to pay at least one third of the semester's fees in advance. These three things constitute registration.

Registration of new students will occur on Tuesday, September 18, 1945, and on Monday, February 4, 1946. Other students are required to make their elections for the first semester one week before the beginning of the June examinations and for the second semester one week before the beginning of the January examinations. A fee of one dollar is charged for late elections.

Changes in elections may be made with the approval of the adviser, but changes made after one week from the day classes begin in any semester are subject to a fee of one dollar. A course dropped after the sixth week is recorded as a failure except by special action of the faculty.

No credit is recorded for any course not properly elected. Students may not elect less than fourteen or more than seventeen hours of work without the approval of the faculty Committee on Scholarship. No student is permitted to elect more than seventeen hours of work who received a grade
of E, F, or I in any course the previous semester. No student is permitted to elect more than nineteen hours of work.

FRESHMAN ELECTIONS

1. All first year students are required to elect Rhetoric* 1, 2; Physical Education, including one hour of Hygiene; and History 42 (second semester).

2. Each student will choose one course each from a and b, and four or five hours from c.

a. A foreign language, four hours each semester. This must not be a repetition of work credited for admission.

b. A laboratory science, four hours each semester or Mathematics 1, 2. (It must be distinctly understood that a laboratory science is required for graduation while mathematics is not so required.)

c. Four or five hours from the following:
   - French, German, or Spanish, 1, 2, or 3, 4.
   - Biology, 1 or 3, 4; Chemistry, 1, 2; **Physics 1, 2.
   - Mathematics, 1, 2; 21, 22; History, 1, 2.
   - Art, 1, 2, 21, 22; 101 by permission; Religion 5, 6, or 9, 10.
   - Music, 1, 2; 9, 10; Applied or Ensemble work.
   - Speech, 11, 12.
   - English Literature 43, by permission.
   - Physics 21, Astronomy.

GRADUATE STUDY

Kalamazoo College offers work leading to the degree of Master of Arts or Master of Science to qualified students in certain fields of study. Graduate work is carried on only in those fields in which adequate library and laboratory facilities are available. The Bureau of Municipal Research, the Upjohn library and laboratories, and the Kalamazoo State Hospital provide special facilities for students desiring to do graduate work at the College in political science, chemistry, or sociology. A student desiring to undertake graduate work should consult the head of the department in which he desires to study. Graduate students pay the same fees as undergraduates during the first year in residence. If further time is required to earn the degree a reduced rate may be arranged.

Requirements for the Master's Degree

1. A candidate for the Master's degree must be a graduate of the College or of another college in good standing, and must have a major of undergraduate work in the proposed field of study. In addition, the candidate must satisfy the Committee on Graduate Work that he has the necessary ability and background to do graduate work.

2. The candidate must complete at least one full year of resident graduate work of high quality.

3. The proposed course of study for the Master's degree must be submitted to the Committee on Graduate Work for approval within the first two weeks of the college year.

4. A thesis or research report is required. The completed thesis must be approved by the department concerned not later than May 20th, and one bound copy presented to the college library before the degree is conferred.

5. The candidate must pass a satisfactory oral examination on his course of study. This examination is conducted by the major instructor and at least two qualified assistants.

PLACEMENT

The College undertakes to give guidance and assistance to its students in their efforts to obtain employment after leaving College in business, teaching, and junior professional positions, to secure admission to graduate and professional schools, and to adjust themselves to the problems they face after graduation. The College has been unusually successful in helping its students and alumni to secure scholarships,
fellowships, and assistantships in graduate schools.

The Placement Committee of the faculty directs the policies which are followed in this work. By means of objective tests, interviews, and cumulative records an effort is made to assist the student in deciding on the type of work for which he is best fitted. Contacts are maintained with the public schools, graduate and professional schools, business firms, and governmental agencies. Investigations are made of the success of the graduates of the College in the work which they enter following graduation.

SUMMER SCHOOL

The college will organize and conduct summer school courses in those subjects for which there is a sufficient demand. Separate charges are made for these courses and are in addition to the regular tuition charged for work done during the academic school year. Information concerning the summer courses may be had from the Registrar upon request.

The Curriculum

The academic offerings of the College include four major divisions in addition to the Department of Physical Education.

The order in which the divisions appear and the several departments of instruction under each, are as follows:

I. LANGUAGES, LITERATURE, AND SPEECH
   English, French, German, Latin, Spanish, Speech.

II. NATURAL SCIENCES AND MATHEMATICS
    Biology, Chemistry, Physics, Mathematics.

III. HUMANITIES
    Philosophy, Psychology, Religion, Art, Music.

IV. SOCIAL SCIENCES
    Economics, History, Political Science, Sociology, Education.

As there is often a close relationship between departments of instruction in different divisions, the College permits work in certain courses to be credited in either of two divisions at the option of the student. It is also possible for a student to select a field of concentration which cuts across both departmental and divisional lines, the only requirement being that the field of study selected must have a definite element of unity.

Courses numbered below 100 are primarily of an elementary or intermediate character; those numbered above 100 are of an advanced nature.

Courses marked 1946-47 will in general not be given in 1945-46 and those marked 1945-46 will be omitted in 1946-47. Courses marked 1946-47 were offered for the most part in 1944-45.

The College reserves the right to withdraw any course for which the registration is considered insufficient.
I. DIVISION OF LANGUAGES, LITERATURE, AND SPEECH

ENGLISH

PROFESSORS SIMPSON AND MULDER, ASSOCIATE PROFESSOR HINCKLEY

A major in English Literature consists of courses 1, 2, 103, 104, 105, 106 and at least six more hours in literature.

A major in English must include work in both literature and rhetoric.

1. Literature

Course 1, 2 is prerequisite for all other courses in English Literature except 43. Course 116 may, by permission, be taken with course 2.

1, 2. Introduction to Literature.

An appreciative examination of masterpieces exemplifying each of the major types of English literature. First semester, the epic, the drama, the metrical romance, the novel. Second semester, the essay, the ballad, the lyric. Prerequisite, Rhetoric 1. Three hours throughout the year. 10:30 M., W., F.; 11:30 T., Th., S. Mr. Simpson.

43. Analytic and Creative Thinking.

The primary purpose of this course is to give the student practice in the techniques of thought by an examination of the basic fundamentals of thinking required in the various areas of modern knowledge, such as history, science, literature, etc. Among the topics discussed, illustrated by extensive reference to the works of modern authors, and practiced in class exercises, are observation, classification, organization, reasoning, semantics, and criticism. No prerequisites. Three hours, first semester. 10:30 M., W., F. 1945-46 Mr. Hinckley.

103, 104. Elizabethan Drama.

First semester, representative pre-Shakespearean and earlier Shakespearean dramas. Second semester, the maturer dramas of Shakespeare and of his more important contemporaries and immediate successors. Required of all English majors. Three hours throughout the year, 1946-47. 8:00 T., Th., S. Mr. Simpson.

105. American Literature: First Period.

A comprehensive study of the development of literature in America from its colonial beginnings to the middle of the nineteenth century. Three hours, first semester, 1945-46. 11:30 M., W., F. Mr. Mulder.
A continuation of course 105, which is a prerequisite. Three hours, second semester, 1945-46. 11:30 M., W., F. Mr. Mulder.

First semester, the poetry of Landor, Mrs. Browning, Tennyson, with major emphasis upon Tennyson. Second semester, the poetry of Arnold, Browning, Swinburne, with major emphasis upon Browning. Three hours throughout the year, 1945-46. 8.00 T., Th., S. Mr. Simpson.

111. The Development of the English Novel.
A survey of the development of the English novel as a distinct literary form from John Bunyan to Thomas Hardy. Three hours, first semester, 1946-47. 11:30 M., W., F. Mr. Mulder.

112. The Contemporary Novel.
An examination of the novel as a changing art form during the past fifty years. Representative novels are read that reflect the life of our time. Three hours, second semester, 1946-47. 11:30 M., W., F. Mr. Mulder.

113 114. Modern Drama.
A study of the outstanding dramas of Europe and America from Ibsen to the present time, with major emphasis upon Ibsen, Shaw, and O'Neill. Three hours throughout the year, 1946-47. 1:30 M., Th., F. Mr. Mulder.

115. The Literature of the Romantic Movement.
An appraisal of the Romantic Movement in English literature, with special emphasis upon the poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats; and the prose of Hazlitt, Lamb, and DeQuincey. Three hours, first semester. 9:00 M., T., Th. 1946-47. Mr. Hinckley

116. Western World Literature.
The purpose of this course is to acquaint the students of English and American literature with some of the masterpieces of foreign literature which have profoundly affected our own literary heritage. Among the authors discussed are Homer, Aeschylus, Euripides, Plato, Aristotle, Virgil, Lucretius, Dante, Cervantes, Voltaire, Rousseau, and Goethe. May be taken with course 2, by permission. Three hours, second semester. 9:00 M., T., Th. Mr. Hinckley.
119, 120. Modern Poetry.
An intensive study, both literary and technical, of the creative efforts of the more prominent poets of England and America since 1890. Three hours throughout the year, 1945-46. 1:30 M., Th., F. Mr. Simpson.

191, 192; 193, 194; 195, 196. Individualized Courses in Literature.
Suited to the needs of advanced students in the department. Mr. Simpson, Mr. Mulder, Mr. Hinckley.

11. Rhetoric
Course 1, 2 is required of all first year students and does not count toward a major or a minor except for a teacher's certificate.

1, 2. Freshman Composition.
First semester, a study of the mechanics and fundamentals of written and oral composition. Second semester, a comprehensive study, theoretical and practical, of the four forms of prose discourse, with major attention to exposition; weekly written and oral themes. Three hours throughout the year. Four sections: 8:00 M., W., F.; 8:00 T., Th., S.; 11:30 M., W., F.; 1:30 M., F., and 8:00 W. Mr. Simpson, Mr. Mulder, Mr. Hinckley.

11, 12. Remedial English.
A comprehensive review of the principles of grammar and rhetoric, with special emphasis on vocabulary building. All students adjudged deficient in English are required to take this course. One hour throughout the year, to be arranged. No academic credit. Mr. Hinckley.

103. News and Editorial Writing.
The function of the newspaper; a detailed analysis of what actually constitutes "news"; newspaper organization and routine, "make-up," etc.; practice in writing news stories and editorials. Three hours, first semester, 1945-46. 10:30 M., W., F. Mr. Mulder.

104. Magazine Article Writing.
An analytic and synthetic study of the magazine article; practice in this type of writing. Three hours, second semester, 1945-46. 10:30 M., W., F. Mr. Mulder.

105. Creative Expository Writing.
A systematic effort to awaken in the student a desire for creative writing and to aid him in the discovery and development of his aptitude therefor. In such effort the familiar essay, the descriptive sketch, and kindred forms are examined and practiced. Three hours, first semester, 1946-47. 2:30 M., T., Th. Mr. Mulder.

106. The Short Story.
An intensive study, analytical and creative, of the simpler forms of narrative; the short story. Three hours, second semester, 1946-47. 2:30 M., T., Th. Mr. Mulder.

109, 110. The Teaching of English.
A course designed to prepare students for the teaching of composition and of literature in the high school. Hour to be arranged. One hour throughout the year. Mr. Simpson.

191, 192. Individualized Courses in Writing.
Suited to the needs of advanced students in the department. Mr. Mulder.

FRENCH

ASSISTANT PROFESSORS EARL AND OLMSTED

Course 1, 2 should be taken during the freshman or sophomore year. It does not count toward a major. Courses 3, 4, 105, 106, 109, 110 are required for a major.

1, 2. Elementary Course.
Grammar, pronunciation, dictation, written and oral practice; reading of stories and plays. Equivalent of Elementary French for entrance. Four hours throughout the year. 2:30 M., T., Th., F. No credit toward graduation given for course 1, unless followed by course 2. Mr. Olmsted.

3, 4. Intermediate Course in Standard Authors.
Rapid reading from the works of representative authors mainly of the nineteenth century. Composition and grammar. Four hours throughout the year. Prerequisite, course 1, 2, or equivalent. 9:00 M., T., Th., F.; 11:30 T., W., Th., S. Miss Earl.

105, 106. Introduction to French Literature.
Lectures, assigned readings and class discussions covering the various phases and movements in the history of French literature. Reading of an anthology and of a number of complete works. Outside reading with reports in French or in English. Three hours throughout the year. Prerequisite, course 4. 10:30 T., Th., S. Miss Earl.

The origin and development of the novel in France studied by means of lectures and assigned readings. Representative novels are read and commented on in the class, and a number more are read outside and reported upon. Prerequisite, course 106. Three hours, first semester, 1945-46. 10:30 M., W., F. Miss Earl.
106. Recent French Literature.
A study of the novel, the drama, and the poetry of modern France. Lectures, class discussion, reading. Prerequisite course 106. Three hours, second semester, 1945-46. 10:30 M., W., F. Miss Earl.

109, 110. Written and Oral French.
A course involving conversation, composition, and the study of selected texts dealing with the geography, history, and life of France. Open to approved students who have had courses 3, 4, or equivalent. Required for a major and of all who expect to be recommended for teaching positions. Two hours throughout the year. 9:00 W., S. Miss Earl.

111. Advanced Composition and French Life.
Translation into French of passages dealing with literary and historical matters; reading of French magazine articles with reports in French; study of various phases of French life. Prerequisite, course 110. One or two hours throughout the year. Miss Earl.

112. Problems of Teaching High School French.
Open only to juniors and seniors who have had course 109, 110, or equivalent, and who expect to teach. Two hours, one semester. Hours to be arranged. Miss Earl.

113, 114. French Drama of the Nineteenth Century.
Study and analysis of a large number of plays by various authors illustrating the widely different types of dramatic work produced in France during the last century. Prerequisite, course 106. Three hours. May be elected for one or two semesters, 1946-47. 10:30 M., W., F. Miss Earl.

117, 118. French Conversation.
Aims to develop the ability to speak and understand French of average difficulty through dictation, memorization, and discussion of topics of everyday life. Open, with the permission of the instructor, to students of ability who have had course 3 or equivalent. One hour of credit. May be elected either semester or both. 11:30 F. Miss Earl.

191, 192. Individualized Courses in French.
Suited to the needs of advanced students in the department. Miss Earl.

GERMAN

Germancourse 1, 2 should be taken during the freshman or sophomore year.

1, 2. Elementary Course.
Essentials of grammar, oral and written practice, reading of selected modern works. The equivalent of the elementary requirements for entrance. Four hours throughout the year. 11:30 T., W., Th., S. No credit toward graduation given for course 1, unless followed by course 2.

3, 4. Intermediate Course.
Extensive reading, composition, review of grammatical principles. The reading is chosen from a wide range and includes prose, fiction, drama, and poetry. Outside reading with reports. Four hours throughout the year. Elective for students who have credit for course 1, 2 and for those who present two or three units of German for entrance. 2:30 M., T., Th., F. Miss Earl.

LATIN

(When there is sufficient demand, classes in Latin will be formed.)

SPANISH

Assistant Professors Olmsted and Earl.

Course 1, 2 is the equivalent of two units of entrance credit. It should be taken during the freshman or sophomore year, and does not count toward a major. No credit toward graduation is given for course 1, unless followed by course 2.

1, 2. Elementary Course.
Grammar, composition, and reading. Special attention given to pronunciation and oral practice. Study of the basic essentials of grammar. Reading of easy texts, for vocabulary building and training in sentence construction. Four hours throughout the year. 11:30 T., W., Th., S. 1:30 or 2:30 M., T., Th., F. Miss Earl.

3, 4. Intermediate Course.
Grammar review, composition, and reading. Special emphasis on the spoken language. Training in comprehension and expression. Reading texts selected for language and cultural value. Prerequisite, course 2, or equivalent. Four hours throughout the year. 11:30 T., W., Th., S. 1:30 or 2:30 M., T., Th., F. Mr. Olmsted, Miss Earl.
105. **Spanish Conversation and Composition.**

Oral and written practice in the phraseology of modern social Spanish. Specialized class texts. Prerequisite, course 4. Two hours, first semester. 9:00 W., S.  
Mr. Olmsted.

106. **Spanish Conversation and Commercial Correspondence.**

Training in current social and business usage. Specialized class texts. Prerequisite, course 4. Two hours, second semester. 9:00 W., S.  
Mr. Olmsted.

107. **Spanish Survey: Early Period.**

An outline study of Spanish literature from its beginning through the Golden Age. Class texts and outside reading. Prerequisite, course 4. Three hours, first semester. 10:30 T., Th., S.  
Mr. Olmsted.

108. **Spanish Survey: Later Period.**

An outline study of Spanish literature from the eighteenth century to the present. Class texts and outside reading. Prerequisite, course 4. Three hours, second semester. 10:30 T., Th., S.  
Mr. Olmsted.

109. **Spanish Novel and Short Story.**

A study of the development of the novel and short story in Spain, with emphasis on the modern period. Class texts and outside reading. Prerequisite, course 4. Three hours, first semester, 1945-46. 11:30 T., Th., S.  
Mr. Olmsted.

110. **Advanced Spanish Grammar.**

Review of important grammatical usages, with exercises in oral and written composition. A course recommended for Spanish majors or for those seeking additional fluency. Specialized class texts. Prerequisite, course 4. Three hours, second semester, 1945-46. 11:30 T., Th., S.  
Mr. Olmsted.

111. **Spanish Drama.**

A study of the development of the drama in Spain, with emphasis on the modern period. Class texts and outside reading. Prerequisite, course 4. Three hours, first semester, 1946-47. 11:30 T., Th., S.  
Mr. Olmsted.

112. **Spanish American Literature.**

A study of the development of literature in Spanish America, with emphasis on the modern period. Class texts and outside reading. Prerequisite, course 4. Three hours, second semester, 1946-47. 11:30 T., Th., S.  
Mr. Olmsted.

191, 192. **Individualized Courses.**

Offered to advanced students as need arises. Mr. Olmsted.

**SPEECH**

**Assistant Professor Waite, Mrs. Waite**

A major in speech consists of courses 11 and 12; 17, 18; 31, 32; one sequence selected from 23, 24; 123, 124; or 115, 116; and at least four additional hours in the department.

A teaching major must include either 23, 24 or 123, 124 plus the required courses in education.

A minor must include courses 11, 12, and one of the following sequences: 17, 18; 23, 24; 31, 32; 123, 124.

Six hours in speech may be counted toward requirement 1 d, page 61. Course 11, 12 is suggested for this purpose.

A program of extra-curricular speech activities is provided for students who desire to engage in dramatics, radio, oratory, public discussion, debate, extemporaneous speaking, and interpretation, without credit. See page 31.

11, 12. **Basic Speech.**

The study and practice of the principles and skills of oral communication, with the purpose of developing in each student the ability both to speak and to listen with effectiveness. The first semester deals primarily with the development of the skills of voice and diction through study, drill, and application through simple reading and speaking before the class. The second semester is a continuation with the emphasis on the organization of ideas and the communication of feeling through practice in both reading and speaking aloud. Recordings are made by each student twice during the semester, the student paying for the record. Three hours throughout the year. 1:30 M., T., Th.; 2:30 M., T., Th.

17, 18. **Interpretative Speech.**

A study of the principles of effective oral reading; training in the development of mental and emotional responsiveness to the meaning of literature and in the communication of this appreciation to an audience; guidance in the evaluation of good literature as material for public reading; extensive practice in reading both prose and poetry. Prerequisite: course 11, 12. Two hours throughout the year. 11:30 T. Th.
A lecture and laboratory course designed to acquaint the student with the basic techniques of play production; a study of practical problems in design, construction, lighting, costume, make-up and direction. Not open to freshmen. Three hours throughout the year, 1946-47. 10:30 M., W., F.

27. Persuasive Speaking.
A study of the influencing of human behavior by means of the spoken word through the various forms of platform address, with practice in preparing and delivering the speech of introduction, the eulogy, the speech to entertain, and the occasional and political address. A study of the types of audiences, sources of belief, and nature of response; methods of adapting the spoken appeal to the mental state of the audience, of securing and holding attention, of arousing interest, and winning response. Abundant platform practice. Prerequisite: course 11, 12. Three hours, first semester, 11:30 M., W., F.

A study of the principles, methods, and types of group discussion with an application to contemporary problems of national interest; practice in organizing, conducting, and leading round table, panel and forum discussions. Three hours, first semester, 1946-47. 11:30 M., W., F.

32. Argumentation and Debate.
A study of the principles of argument, with attention given to the use of evidence, reasoning, briefing, and delivery in public speech and contest debate. Considerable platform practice. Three hours, second semester, 1946-47. 11:30 M., W., F.

An introductory course in radio techniques. The first semester deals with announcing, newscasting, and interviewing; the second, with production and direction of radio programs and the various forms of interpretative reading as used over the air. Prerequisite: course 11, 12. Two hours throughout the year. 9:00 T., Th. Students should keep free the hour of the college radio program.

123, 124. Acting.
A study of the basic techniques of the art of acting with classroom practice and criticism. Problems of production and direction are considered from the acting viewpoint. Prerequisites: courses 11, 12 and 17, 18. Three hours throughout the year, 1945-46. 10:30 M., W., F.

191, 192. Individualized Courses.
An intensive approach to the actual problems of the various forms of speaking, designed for highly qualified students. This course is graduated to permit the student to secure from one to four hours' credit at the rate of one hour per semester. Special study is given to the various forms of public speaking, interpretation, and radio speech. Prerequisite: consent of the instructor.
II. DIVISION OF NATURAL SCIENCES AND MATHEMATICS

BIOLOGY
ASSOCIATE PROFESSOR DIEBOLD

The general aim of most of the courses in biology is to give the student a cultural background for the appreciation of the contributions of science to modern life and the part it plays in contemporary thought. The specific aim is to offer a scientific training to those students with a major interest in biology and its applied branches. In order to lay a good foundation for scientific work it is wise to take with biology some courses in chemistry, physics, sociology, psychology, and philosophy. If possible, a reading knowledge of both French and German should also be obtained.

The pre-medical student should find out early in his course the prerequisites desired by his chosen medical school. Courses 1 and 4 or 3 and 4 meet the entrance requirements of most medical colleges as a minimum. Biology 105 and 109 are recommended by all medical colleges in addition, and 106 is recommended by all and required by a few.

Courses 1 and 3 carry four hours’ credit per semester when taken by students who have done no previous work in this department. Otherwise they yield only three hours’ credit and may be taken without the Wednesday lectures.

1. General Botany.
How plants live and reproduce, and the structures involved. A comparative study is made of both the simpler and higher plants with a view to their evolutionary relationships. Three or four hours, first semester. Lectures, 8:00 T., W., Th. Laboratory, two consecutive hours, 8:00 and 10:30 M., F. Alternates with 3. 1945-46.

2. General Zoology.
An introductory course dealing with the invertebrates. Three or four hours, first semester. Lectures, 8:00 T., W., Th. Laboratory, two consecutive hours, 8:00 and 10:30 M., F. Alternates with 1. 1946-47.

An introductory course with special attention to the vertebrates. Four hours, second semester. Lectures, 8:00 T., W., Th. Laboratory, two consecutive hours, 8:00 and 10:30 M., F.

8. Bird Study.
This is intended to be a practical course with the emphasis upon identification and classification of our native birds; their food and nesting habits. Occasional lectures, mainly field work. One hour, second semester. 1:30 W. No prerequisite, but election is subject to the approval of the instructor.

105. Vertebrate Anatomy.
A comparative study of typical backboned animals for the purpose of revealing the structure of the human body. Four hours, first semester. Lectures, 1:30 T., Th. Laboratory, two consecutive hours, 1:30 M., F. Lectures open to upper classmen for two hours’ credit by permission of instructor.

106. Vertebrate Embryology.
A study of the development of the individual from the origin of the germ cells to the adult condition. Four hours, second semester. Lectures, 1:30 T., Th. Laboratory, two consecutive hours, 1:30 M., F. Lectures open to upper classmen for two hours’ credit by permission of instructor. Alternates with 116. 1946-47.

A study of the modern conceptions of heredity and the investigations on which they are based. Eugenics and social problems receive special attention. Two hours, first semester. 10:30 T., Th.

112. Evolution.
A study of the evidences for organic evolution and of the theories which have been offered to explain how it might have occurred. Two hours, second semester. 10:30 T., Th. Alternates with 114 and 118. 1946-47.

114. General Endocrinology.
The biology of hormones and the ductless glands. A study is made of the structure, physiology, and interrelations of the organs of internal secretion. Two hours, second semester, 10:30 T., Th. Alternates with 112 and 118. 1945-46.

A study of the minute structure of animals. Training in the preparation of materials. Three hours, second semester. Lecture, 1:30 T. Laboratory, two consecutive hours, 1:30 M., F. Alternates with 106. 1945-46.

117. Anthropology. See Sociology 103.
118. Comparative Neurology.
A study of the anatomy and physiology of the central nervous system and sense organs. Dissection is made of representative vertebrate brains and of the special sensory structures. Prerequisite, Biology 4 or Psychology 1. Three hours, second semester. Lectures, 10:30 T., Th. Laboratory, 10:30-12:20 W. Alternates with 112 and 114.

119, 120. General Bacteriology.
A study is made of the morphology, classification, distribution, cultivation, and physiological characteristics of bacteria together with a consideration of the principles of infection and immunity. Attention is given to the biochemical features of microorganisms, the standardization and preparation of vaccines and antitoxins, and the fundamentals of applied bacteriology. Hours and credit to be arranged. Given only to recommended students at the laboratories of the Upjohn Company.

151, 152. Biology Seminar.
A study of recent biological literature. One hour, each semester. 3:30-5:20 T.

191, 192. Special Courses.
These are offered for advanced students in biology. In assigning the problems the experience and purposes of the student are considered. Such work as the following is assigned: special readings; advanced cat anatomy; skeletal preparations; problems in embryology; problems in genetics; ecological study; animal and plant histology; plant morphology and classification. Hours and credit to be arranged.

Particular attention of students interested in biology is called to the unusual opportunities offered by the Douglas Lake Biological Station, maintained under the direction of the University of Michigan at Cheboygan, Michigan. Courses given there occupy eight weeks in summer, beginning about the third week in June and ending the third week in August.

CHEMISTRY

Professor Stowe, Assistant Professor Myers

Students majoring in chemistry are in general expected to take courses 1, 2; 103, 104; 105, 106; and sufficient elective work to make the required number of hours for a major.

1, 2. General Inorganic Chemistry.
Four hours throughout the year. Lectures, 1:30 T., Th. Laboratory, two consecutive hours, 10:30 and 1:30 M., F. Mr. Stowe.

103, 104. Qualitative Analysis.
Complete analysis, on the semi-micro basis, of various inorganic substances. Three hours throughout the year. Prerequisite, course 1, 2. Lectures, 11:30 Th. Laboratory hours by arrangement. Mr. Stowe.

105, 106. Organic Chemistry.
Four hours throughout the year. Prerequisite, course 1, 2. Lectures, 9:00 W., S. Laboratory, two consecutive hours, 10:30 T., Th. Mrs. Myers.

107, 108. Quantitative Analysis.
Lectures, recitations, problems, and laboratory work, dealing with the gravimetric and volumetric analysis of inorganic compounds. Three hours throughout the year. Prerequisite, course 1, 2. Lectures, 9:00 W. Laboratory hours by arrangement. Mr. Stowe.

109, 110. Physical Chemistry.
Lectures, recitations, problems, and laboratory work, introducing the student to the principal chapters of modern chemical theory. Four hours throughout the year. Prerequisite, Chemistry 1, 2, 103, 104; Physics 1, 2; Mathematics 1, 2. A knowledge of organic chemistry and calculus is desirable. Lectures, 8:00 T., Th. Laboratory, 1:30-4:30 T., Th. Mr. Stowe.

111. Qualitative Organic Analysis.
A systematic study of the characteristic qualitative reactions of organic substances, including the classification and identification of such compounds. Prerequisite, courses 103, 104, 105, 106. Four hours, first semester. Lectures, 10:30 W., S. Laboratory 1:30-4:30 M., F. Mrs. Myers, Mr. Stowe.

112. Advanced Quantitative Analysis.
Laboratory work is offered in the analysis of water, sugar, fuel, and various types of organic compounds, as well as other analytical work of special content. Prerequisite, course 107, 108. Hours and credit to be arranged. Mr. Stowe.

113. Inorganic Preparations.
A one-semester laboratory course open to advanced students by permission of instructor. Hours and credit to be arranged. Mr. Stowe.

114. Advanced Organic Preparations.
A one-semester laboratory course open to advanced students by permission of instructor. Hours and credit to be arranged. Mrs. Myers, Mr. Stowe.
115. Advanced Physical Chemistry.
Laboratory work in some special phase of this field is undertaken and pursued more intensively than is possible in course 109, 110. Hours and credit to be arranged. Mr. Stowe.

Presented from the standpoint of theoretical organic chemistry. Two hours, one semester. Prerequisite, courses 1, 2, 105. Mrs. Myers.

117. Physiological Chemistry.
Chiefly laboratory work introducing the student to a number of typical reactions of carbohydrates, fats, and proteins. Some time is spent in the examination of blood and urine. Prerequisite, courses 105, 106, 116. Two hours, one semester. Mr. Stowe.

118. Glass Blowing.
Two hours, one semester. Mr. Stowe.

151, 152. Chemistry Seminar.
An introduction to current chemical literature and research methods. Papers are presented upon assigned topics. Open only to advanced students majoring in chemistry. One hour of credit. Mr. Stowe.

PHYSICS

PROFESSOR HORNECK, ASSOCIATE PROFESSOR MAXWELL

Course 1, 2 is prerequisite for all others. Course 119, 120 and all higher numbers are designed primarily for students who are majoring in physics or chemistry with the intention of going on for graduate work. These students also take three or four years of work in the Department of Mathematics.

A major in Physics must include courses 1, 2, 101, 102, and either 119, 120 or 121, 122.

1, 2. General College Physics.
Demonstration lectures and recitations four times a week, and one two-hour laboratory period. First semester, mechanics, heat, and sound; second semester, magnetism, electricity, and light. Open to freshmen who enter college with one unit of physics or chemistry and two units of mathematics. Five hours throughout the year. 9:00 M., T., Th., F. Laboratory, 10:30-12:20 M.; 1:30-3:20 Th.; 10:30-12:20 W.; 10:30-12:20 F.; 1:30-3:20 M.
Mr. Hornbeck and Mr. Maxwell.

6, 7. Physical Measurements.
An advanced laboratory course in general physics consisting of selected experiments too long or too difficult for inclusion in course 1, 2. Two or three hours each semester depending upon the amount of work accomplished. Mr. Maxwell.

A course similar to that given home economics majors and designed to acquaint the student with the numerous applications of physics to everyday life. Three hours recitation and one two-hour laboratory per week. Four hours, second semester. No prerequisites. Hours to be arranged. Mr. Maxwell.

The development of astronomy in recent years has been extremely rapid, due largely to our extended knowledge of physics and chemistry. This course includes a study of some of the most recent contributions. Not open to freshmen. Three hours, first semester. 11:30 T., Th., S.
Mr. Hornbeck.

101, 102. Modern Physics.
A study of recent work in the fields of gaseous ionization, photo-electricity, the electronic charge, radioactivity, X-rays, structure of crystals, "atom-smashing," structure of atoms, and the nature of radiation. Frequent lecture-table demonstrations. Three hours throughout the year. 10:30 M., W., F.
Mr. Hornbeck.

103. Vacuum Tube Circuits.
A laboratory and classroom course in which the properties of a number of fundamental electronic devices, such as the vacuum triodes, gas triodes, photo-electric cell, and cathode-ray tubes are investigated; and the applications to amplifier, rectifier, voltmeter and oscillator circuits illustrated. Prerequisite, a year of calculus. Two hours of recitation, with one three-hour laboratory period. Three hours, first semester, T., or F., 1:30-4:30. Recitation 11:30 T., Th.
Mr. Maxwell.

104. Electrical Measurements.
An advanced laboratory course in measurement of electromotive force, current, resistance, inductance, capacitance, impedance, power factor, magnetic properties of iron, and photo-electric currents. Prerequisite, a year of calculus or permission of the instructor. Classroom work, T., Th., 11:30 and one three-hour laboratory period to be arranged. Three hours, second semester.
Mr. Maxwell.
108. Light.
An intermediate course in geometrical and physical optics. 
Prerequisite, a year of calculus or permission of the instructor. 
Four hours, second semester. Classroom work, 10:30 T., Th., S., and one three-hour laboratory period to be arranged, 1946-47. 
Mr. Maxwell.

A general course with emphasis on the physics of the subject. 
It includes a study of direct-current motors and generators, alternating-current motors and generators, batteries, electric meters, transformers, three-phase systems, and power transmission. Prerequisite, a year of calculus. Classroom work three times a week and one three-hour laboratory period. Four hours throughout the year. 
Mr. Maxwell.

119, 120. Advanced Mechanics.
A mathematical course including both statics and dynamics. 
Special attention is given to motion in an inverse-square field and Kepler's Laws, dynamics of a rigid body, Euler's equations, virtual work, constrained motion, damped oscillations, La Grange's equations. Prerequisite, a year of calculus. Three hours throughout the year, 1945-46. Alternates with 121, 122. 8:00 M., W., F. 
Mr. Hornbeck.

121, 122. Advanced Electricity and Magnetism.
A mathematical course including both direct and alternating current theory. It includes theory of electrostatic potential field, dielectric and magnetic media, currents in general networks, and electrical oscillations. Prerequisite, a year of calculus. Three hours throughout the year, 1946-47. 8:00 M., W., F. 
Mr. Hornbeck.

151, 152. Seminar.
Discussions and reports on articles in current research publications. Prerequisite, two years of physics and a year of calculus. One hour. 
Mr. Hornbeck and Mr. Maxwell.

191, 192. Special Problems.
This is a special course intended to afford students of superior ability and adequate preparation an opportunity to obtain specific training for original investigation. A laboratory problem is assigned, together with reference reading, and the student is left as far as possible to his own resources. Prerequisite, two years of physics and a year of calculus. One to three hours. 
Mr. Hornbeck, Mr. Maxwell.

MATHEMATICS

1. 2. Freshman Mathematics.
An introduction to the study of college mathematics, including trigonometry, college algebra, plane analytic geometry. Four hours, each semester. (Students who have not had high school trigonometry are required to attend class one extra hour per week without credit.) 9:00 M., T., Th., F.; 10:30 T., W., Th., S. 
Mr. Walton.

A development of the elementary theory of statistics, including a study of averages, measures of dispersion, coefficients of correlation, and secular trend. Prerequisite, course 1, 2, or equivalent. Three hours, first semester, 1945-46. 
Mr. Walton.

A study of compound interest, annuities, sinking funds, amortization, valuation of bonds, and building and loan associations. Prerequisite, course 1 or consent of instructor. Three hours, second semester, 1945-46. 
Mr. Walton.

The use of instruments; correct drafting-room practice in conventional representation; the principles of orthographic and auxiliary projection; practice in making working drawings; practice in lettering; drill on geometric constructions; sections and conventions; practice in tracing; original drawing on tracing papers; reading and checking of drawings. Three two-hour drafting-room periods, three hours homework a week. Three hours credit. First semester. 2:30-4:20 M., W., F. 
Mr. Maxwell.

22. Descriptive Geometry.
This course is designed to enable the student to solve the basic geometrical problems of engineering. At the same time the sub-
ject covers the principles of engineering descriptions of engineering projects. Three two-hour drafting-room periods, three hours homework a week. Prerequisite, course 21, or permission of the instructor. Three hours credit. Second semester. 2:30-4:20 M., W., F. Mr. Maxwell.

103, 104. Calculus.
This course completes the study of the elements of plane and solid analytic geometry as well as the differential and integral calculus. Many applications of the calculus to geometry and mechanics are used. Prerequisite, course 1, 2 or equivalent. Five hours, each semester. 8:00 M., T., W., Th., F. Mr. Walton.

111. Differential Equations.
Prerequisite, course 104. Three hours, first semester, 1946-47. Mr. Walton.

112. Advanced Mathematics.
This course is designed primarily for advanced science students and consists, firstly, of probability and curve fittings by means of least squares, and secondly, of a brief study of the properties of determinants, matrices, and the theory of transformations. Prerequisite, course 104. Three hours, second semester, 1946-47. Mr. Walton.


This course includes a thorough review of the principles of elementary calculus together with theorems from definite integrals, elliptic integrals, Fourier’s series, theory of limits, and theory of functions. Prerequisite, course 104. Three hours, each semester, 1945-46. Mr. Walton.

191, 192. Individualized Courses.
Offered to advanced students as need arises. Mr. Walton.

III. DIVISION OF HUMANITIES

PHILOSOPHY

Professor Hemmes

1. Great Philosophers and their Philosophies.
The course consists of a study of Plato’s philosophy both from the point of view of the philosophical problems significant for us today, and from the point of view of its historical setting. The Republic will be read and selections from other dialogues. Also Spinoza will be studied. In Spinoza’s philosophy is seen the effect of the rise of modern science on religious thought and philosophy. His Ethics will be read. Three hours, first semester. 8:00 M., W., F, 1946-47. This is an introductory course and has no prerequisites.

2. Great Philosophers and their Philosophies.
The course is a study of the philosophies of Descartes, Berkeley, Leibniz and Kant. The writings studied are the Discourse on Method by Descartes, the Dialogues between Hylos and Philonous by Berkeley, the Monodology by Leibniz and the Prolegomena to Any Future Metaphysics by Kant. The views of these men will be considered in reference to their contemporary significance. Three hours, second semester. 8:00 M., W., F. 1946-47. Prerequisite course 1.

3. Reflective Thinking.
The course deals with a study of the principles of valid thinking, the relation of perception and thought, the problems of explanation and interpretation, the meaning of intuition as compared with reflective thought, the nature of science and the methods of the physical, biological and social sciences, the emotional, imaginative and volitional factors in knowledge. The purpose of the course is to get practical experience in learning to think, to get an appreciation of the interrelationship of the different fields of study and to lay a foundation for further work in philosophy. Three hours, first semester. 8:00 M., W., F. 1945-46. This is an introductory course and has no prerequisites.

A systematic study of man in his relation to the cosmos, the values of culture, the total world process, in order to give the student an opportunity to formulate a philosophy of life in his contemporary environment. The contrasts of the philosophies of naturalism, humanism, idealism and theism will be carefully worked out. Three hours, second semester. 1945-46. 8:00 M., W., F. Prerequisite, course 3.


A study of American thought from Puritanism to modern Pragmatism and Realism. Three hours, second semester. 10:30 T., Th., F. 1946-47.

11. Critique of Our Age.

This course is a study of certain outstanding books which analyze the meaning of our age from the moral, the social, the political, the religious, the economic, the technological viewpoint. For background material Mazzini's Duties of Man and the Communist Manifesto are studied. Other books included are A. Huxley's Ends and Means, Sorokin's The Crisis of Our Age and Man and Society in Calamity, Berdyaev's Fate of Man in the Modern World, Maritain's True Humanism. Three hours, first semester. 10:30 T., Th., S. 1946-47.

12. Art, Religion and Philosophy.

Outstanding movements in art and the works of individual artists will be studied in relation to the philosophical and religious ideas embodied therein. The meaning of Greek classicism, Byzantine art, Gothic art, Renaissance art will be analyzed. The philosophical and religious background of modern naturalism, impressionism and expressionism in the fine arts and literature is dealt with. Three hours, second semester. 10:30 T., Th., S. 1946-47.

13. The Philosophy of Human Values.

The course deals with the value of the individual, of the social relations of life, of institutional control. The values of pleasure, self-development, efficiency, cooperation are examined. Included in the study are also the value of the family, of the economic structure of the state, of the church and of art. Prerequisite, Philosophy 1, 2 or 3, 4. Three hours, first semester. 10:30 T., Th., S. 1945-46.
4. Mental Hygiene.
   A study of emotional adjustment, personality problems, conflicts, compensatory behavior, neurotic behavior, conduct disorders. 1945-46. Three hours, first semester. 9:00 W., F., S. Mr. Hemmes.


   Evaluation of managerial policies and devices designed to secure the cooperation and efficient participation of employees in business, industry, education, and government. Attention is directed especially to techniques of selection, classification, personality problems, training, service ratings, job analysis, employee morale, etc. 1946-47. Three hours, first semester. 9:00 W., F., S. Mr. Hemmes.

10. Contemporary Schools of Psychology.
   A study of the development of modern experimental psychology, of the psychology of W. James, of behaviorism, of Freud and the psychoanalytic movement, of gestalt psychology, and other recent trends. Three hours, second semester, 1945-46. 9:00 W., F., S. Mr. Hemmes.

   Psychological approaches to the study of personality types, and factors that contribute to the quality of individual lives. Three hours, second semester, 1946-47. 9:00 W., F., S. Mr. Hemmes.

110. Comparative Neurology. See Biology 118.
   This course may not be used to meet the requirement of six hours in Division III.

111. Psychological Tests and Measurements.
   A survey course which introduces the student to the development and critical use of tests designed to measure intelligence, personality, interests, achievement, special aptitudes, etc. Various techniques for measuring these factors are examined, and practice is given in their use. Prerequisite, 6 hours in psychology. Three hours, first semester, 1946-47. 9:00 W., F., S. Mr. Hightower.

113. Psychology of Childhood and Adolescence.
   Child and adolescence behavior, mental processes, and emotional reactions in relation to growth and life changes. Consideration of character training procedures. Prerequisite, 6 hours in psychology. Three hours, first semester, 1945-46. 9:00 W., F., S. Mr. Hightower.

191, 192; 193, 194. Individualized Courses.
   Special work for advanced students in the department.
   Mr. Hemmes, Mr. Hightower.
114. Religions of the World.

An historical study of the world's great religions, with special emphasis upon their distinctive values. Not open to freshmen. Three hours, second semester, 1945-46. 10:30 M., W., F.

116. Modern Christianity.

The aim of this course is to study the place of Christianity in the modern world. This will involve a study of its nature, teachings, organization, and problems. Not open to freshmen. Three hours, second semester, 1946-47. 10:30 M., W., F.

III. Religious Education

The aim of the courses in religious education is two-fold: (1) to present a working knowledge of the principles, aims, and methods of modern religious education for those students who will be working as laymen in their local churches; and (2) to furnish foundation courses for students who expect to pursue advanced courses in religious education in graduate schools.

123. The Principles of Religious Education.

This course provides a general introduction to the field of religious education. It includes a study of the nature and growth of the religious life, and a consideration of the principles, aims, general methods, and problems of religious education. Prerequisite, Psychology 1. Three hours, first semester. Hours to be arranged.

124. The Organization of Religious Education.

The emphasis of this course is upon the educational program of the local church. A brief survey is made of the various other institutions for religious education, including week-day schools of religion, vacation schools, clubs, etc. Prerequisite, course 123, or consent of instructor. Three hours, second semester. Hours to be arranged.

191, 192. Individualized Courses.

In addition to the courses listed, the department is prepared to offer advanced courses to students who are properly qualified.
The College maintains an Institute of Musical Art, offering instruction in the principal music fields to both college and non-college students.

Courses for Non-college Students

Persons not enrolled as regular college students will find detailed information concerning music courses available to them listed on page 92.

Courses for College Students

The information immediately following applies to all persons duly matriculated as college students:

Four-year courses are offered in both applied and theoretical music. Students may elect music as a major or minor towards the degree of Bachelor of Arts, or they may elect a limited number of hours to improve their understanding and appreciation of music as part of a liberal arts education.

Majors are offered in two fields: that of Applied Music and that of Music Education. The Applied Music major is designed to develop high standards of ability in performance, musicianship, and creative work. The Music Education major is intended for the preparation of teachers in secondary and elementary public schools. (For details of the major in Music Education the student should consult with the head of the Music Department.)

A total of 40 hours is required for a major, of which 24 must be in theory, and 16 in one or two branches of applied music. Not more than 16 hours of applied music may be counted towards the 120 hours required for graduation.

A suggested outline for a four-year course follows:

### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Applied Music</td>
<td>4</td>
</tr>
<tr>
<td>Music 9, 10</td>
<td>6</td>
</tr>
<tr>
<td>Ensemble (activity credit)</td>
<td>2</td>
</tr>
<tr>
<td>Language*</td>
<td>8</td>
</tr>
<tr>
<td>Rhetoric</td>
<td>6</td>
</tr>
<tr>
<td>Science</td>
<td>8</td>
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<tr>
<td>P.E.</td>
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<td>32</td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Applied Music</td>
<td>4</td>
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<tr>
<td>Music 105, 106</td>
<td>6</td>
</tr>
<tr>
<td>Ensemble*</td>
<td>2</td>
</tr>
<tr>
<td>Electives*</td>
<td>20</td>
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<tr>
<td>P.E.</td>
<td></td>
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<td></td>
<td>32</td>
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</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Music</td>
<td>4</td>
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<tr>
<td>Music Literature 1, 2</td>
<td>6</td>
</tr>
<tr>
<td>Ensemble*</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>20</td>
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<tr>
<td>P.E.</td>
<td></td>
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<td></td>
<td>32</td>
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</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Music</td>
<td>4</td>
</tr>
<tr>
<td>Music Literature 1, 2</td>
<td>6</td>
</tr>
<tr>
<td>Ensemble*</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>20</td>
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<tr>
<td>P.E.</td>
<td></td>
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<td></td>
<td>30-32</td>
</tr>
</tbody>
</table>

* Academic or activity credit optional.

† Eight hours for the second year of a modern language.

‡ Electives must include six hours in Division III and six hours in Division IV.

### Ensemble Requirements

Students majoring in music are required to participate in one of the ensemble groups listed on page 92. Violin and cello students will elect one of the instrumental ensembles; voice students will elect the College Singers; and piano and organ students may choose from any of the ensembles.

An activity credit is given each semester for ensemble work in the first year. Beginning with the second year, the student may choose between an academic and an activity credit of one hour each semester. In all cases, credit is conditioned on two consecutive semesters' work. Not more than one hour of credit can be earned in ensemble groups in any one semester; and not more than six academic hours may be counted towards graduation.

### Music Minor

A minor in music requires 12 hours, divided between applied music and theory. The requirements for participation in ensemble groups are the same as those for a major, for a corresponding number of hours.
A. Theoretical Courses.

1, 2. Literature and Criticism.

A general survey of the field of music literature, including analysis of the structural elements and aesthetic content of significant compositions of various forms and styles. Phonograph recordings and music scores are used as an aid in the development of an adequate listening technique. This is a cultural course for all students, and no previous musical training is necessary. Three hours throughout the year. 11:30 T., Th., S. Mr. Overley.

9, 10. Fundamentals of Musicianship.

Intended to develop a thorough working knowledge of staff notation, keys, scales and elementary forms. Progressive exercises in solfeggio, ear-training and rhythmic drills. Required of all students electing a branch of applied music towards a major or minor; and all other students in applied music beyond the first year. Classes will be divided, if deemed advisable, into two sections: an elementary and a more advanced section. The status of each student will be determined by preliminary examination. Three hours throughout the year. 10:30 M., W., F.

22, 23. Instrumental Problems and Conducting.

A course in the organization and development of the school orchestra and band, including a study of instruments and their technique, repertoire, and the principles of conducting. Two hours throughout the year.

105, 106. Harmony.

The structure and use of triads and seventh chords and their inversions. Harmonization of melodies and basses. The aural approach is emphasized. Prerequisite, course 9, 10. Three hours throughout the year. 11:30 M., W., F. Mr. Overley.

107, 108. Advanced Harmony.

The use of altered and chromatic chords. Modulation and transposition. Original work is stressed. Prerequisite, course 105, 106. Three hours throughout the year. 10:30 T., Th., S. Mr. Overley.

111. Music Education Methods.

An intensive approach to the psychological and educational principles of Music Education in the senior high school. The study of conducting, objectives, selection and organization of materials and methods of teaching. Three hours, first semester. 8:00 M., W., F. Miss Baxter.

112. Music Education Methods.

A study of the principles and methods of junior high school and elementary Music Education as applied to its various phases and experiences, the adolescent voice, part singing, sight reading, and integration for junior high school; an understanding of the child's singing voice, rhythmic sense development, creative work, integration and sight-reading in the elementary schools. Three hours, second semester. 8:00 M., W., F. Miss Baxter.

B. Applied Music

Individualized courses of one, two, three or four years are offered in piano, voice, violin, organ and violoncello. Payment of the academic fees for the semester entitles the student, upon qualification, to one private and one class lesson per week in his chosen course, and the use of a practice room with piano, or of the organ, six hours a week—all without extra cost.

Instruction books, sheet music and study materials in each subject are not included in the above provisions. The cost of these will average from $3 to $5 each semester.

Individual entrance examinations are required of all new students before any enrollments are made. Students will be notified in advance as to the time of this examination.

PIANO AND ORGAN STUDENTS must be prepared to play (on the piano):

Any of the major and minor scales and arpeggios, two octaves, hands together, two notes to a metronome beat of 60.

One of the Bach two-part inventions.

A movement from one of the Haydn or Mozart sonatas, or a selection of equal difficulty.

A hymn-tune, read at sight.

VIOLIN AND CELLO STUDENTS must be prepared to play (on their own instrument):

Any of the major or minor scales and arpeggios, as called for.

A simple piece, selected by the student.

A simple etude, selected by the instructor, played at sight.

True intonation is important.
VOICE STUDENTS must be prepared to:

Answer oral questions pertaining to staff notation, keys and elementary musical knowledge.

Play an assigned melody (single line of tone) on the piano.

Sing a song of their own selection.

Sing a simple piece selected by the instructor.

All students are urged to make adequate preparation for the above tests over a period of several months beforehand. Requests for further information will be given prompt attention.

In all tests, students must demonstrate a natural aptitude for the course selected, and potential ability as a performer.

In certain cases, talented students with inadequate preparation may be accepted conditionally by the examiners, with the provision that additional practicing will be done to remove such conditions before the end of the semester.

Students who have not had sufficient training to pass the entrance tests, but desire to study an instrument or voice, may enroll in the elementary or college preparatory classes in the Institute of Musical Art at a nominal tuition charge, without college credit. (Details on page 92.)

Students accepted for enrollment are required to devote a minimum of six hours per week to practice. A minimum assignment of material must be completed each semester. Beyond this, the student is encouraged to advance as rapidly as his ability, time and health permit.

Participation in recitals is required as soon as the student qualifies. Preliminary appearances are made at the monthly meetings of the Overley Society, the campus music study club, the membership of which is limited to applied music students. Qualified students are given opportunities for public appearances on and off the campus, which are arranged with the approval of the instructor.

Credit of two semester hours is given for all applied music courses, effective upon the completion of two consecutive semesters' work.

Not more than one course in applied music is permitted during the student's first year in music. After the first year, talented students who have the necessary time and ability to meet the course requirements may, with the consent of their faculty adviser, apply for permission to carry two such courses. An extra fee is charged for this additional course.

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**MUSIC**

**CELLO**

*MRS. BALDAUF*

49-1, 50-1. *First Year.*


49-2, 50-2. *Second Year.*


49-4, 50-4. *Fourth Year.*


**ORGAN**

*MRS. OVERLEY*

The aim of the course is the development of a high order of skills in the playing of church services, accompaniments and recitals. Throughout the course, rhythmic independence and clarity in performance are emphasized, as applied to a repertoire of select works, representative of the best in organ literature from pre-Bach to the modern schools.

43-1, 44-1. *First Year.*


43-2, 44-2. *Second Year.*

43-3, 44-3. Third Year.

43-4, 44-4. Fourth Year.
Bach, later preludes and fugues and chorale preludes. Works by contemporary composers. Organ ensemble work. Senior recital.

PIANO

ROBERT MACDONALD

41-1, 42-1. First Year.
Grounding in technique and study methods. Scales, arpeggios, the study of some Bach of modern grade and equivalent of the easier sonatas of Haydn, Mozart, etc. Memorization and accuracy in smaller pieces of academic literature. Class recital.

41-2, 42-2. Second Year.
Octave technique, polyphonic pieces of Bach, one Beethoven sonata and selected works by Mendelssohn, Chopin, Grieg, Schumann, etc. Student recital.

41-3, 42-3. Third Year.
Development of reliable, fluent and versatile technique. Beethoven sonatas, Chopin etudes, free compositions of the romantic school, and at least one modern piece. Junior recital.

41-4, 42-4. Fourth Year.
Polyphonic pieces, later sonatas of Beethoven, works of Brahms, Liszt, etc. and pieces giving insight into the modern idiom. A recital program of classic, romantic, modern and bravura pieces.

VIOLIN

MR. FELBER

47-1, 48-1. First Year.
Simple etudes and scale studies; short compositions for the development of tone production and phrasing. Class recitals.

47-2, 48-2. Second Year.
Intermediate technical studies. Shorter compositions of various schools. A sonata or concerto of the grade of DeBeriot or Vivaldi. Student recitals.
47-3, 48-3. **Third Year.**

47-4, 48-4. **Fourth Year.**
Advanced technical studies. Major works by classic and modern composers. Senior recital.

**VOICE**

**MRS. OVERLEY**

45-1, 46-1. **First Year.**
Fundamentals of correct tone production: correct physical and mental poise, principles of breathing and breath control, diction and resonance. Seiber Vocalises. Simple songs in English. Class recitals.

45-2, 46-2. **Second Year.**

45-3, 46-3. **Third Year.**

45-4, 46-4. **Fourth Year.**

**Applied Music Courses for College Students with Limited Training.**

Two types of special courses are offered at the Institute of Musical Art to college students who, because of limited previous training, are not qualified to elect the regular college courses:

(a) **The College Preparatory** courses are intended for students who have had some previous training but need additional preparation to pass the entrance examinations for admission to the college classes in applied music. The length of the course will depend on the student's previous training and his rate of progress.

(b) **The Beginner's** course is for college students who have had no previous musical training and desire to develop some ability as a performer in instrumental or vocal music.

The above courses consist of private lessons designed to meet the individual needs of each student, and are available at the tuition rates given on page 93. No entrance examinations are required, and no academic credit is given.
C. ENSEMBLE GROUPS

15-1, 16-1. The College Singers.
Class voice culture; preparation and performance of sacred and secular compositions for mixed, men's and women's voices; music for chapel services; Christmas carol festival; and a major oratorio or opera. Mr. Overley.

15-2, 16-2; 15-3, 16-3; 15-4, 16-4; work during second, third and fourth years.

17-1, 18-1. Band.
Study of overtures, suites and other selections; marching drills in the fall; local and out-of-town concerts, as conditions permit.

17-2, 18-2; 17-3, 18-3; 17-4, 18-4; work during second, third and fourth years.

Study of classic and contemporary literature for string trio, quartet, or quintet; or string and woodwind ensembles. Mrs. Baldauf.

19-2, 20-2; 19-3, 20-3; 19-4, 20-4; work during second, third and fourth years.

Activity and academic credits are given for ensemble work, as explained under the topic of music majors, page 85.

Talented students may qualify by try-out for membership in THE MADRIGAL SINGERS, THE MEN'S QUARTET, THE WOMEN'S TRIO and THE MIXED QUARTET. The make-up of these smaller groups is determined by the talent available.

SPECIAL MUSIC STUDENTS

Persons not enrolled as College students may register as special students in the Institute of Musical Art, and elect courses in piano, voice, organ, violin or cello. Provision has been made for students of all ages and all stages of advancement, including children, beginners, intermediate, advanced and graduate students.

No entrance examination is required for enrollment, and the work of each course is designed to meet the individual needs of each student. No academic credit will be given.

The regular college music faculty has been augmented by a number of experienced assistant instructors. Students may choose their instructor in accordance with the tuition fee they wish to pay.

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No entrance examination is required for enrollment, and the work of each course is designed to meet the individual needs of each student. No academic credit will be given.

The regular college music faculty has been augmented by a number of experienced assistant instructors. Students may choose their instructor in accordance with the tuition fee they wish to pay.
The courses offered in economics are designed to serve two purposes: to offer basic materials for students majoring or minoring in the field, and to contribute the descriptive and analytical information on the contemporary economic system which is essential to an intelligent exercise of citizenship. Students expecting to major or minor in the department should enroll in course 1, 2 in the sophomore year. Course 101, 102 must also be included in a major. (Students planning to enroll in courses 17 or 18 are advised to take freshman mathematics.)

1, 2. Principles of Economics.
An introductory course to give a comprehensive description of contemporary economic life and to precede more specialized study in the various subdivisions of economics. Scope and method of economics; forces determining prices; distribution of wealth and income; money and banking; taxation and government; international trade; industrial organization; labor; proposed changes. Prerequisite, sophomore standing. Three hours throughout the year. 11:30 M., W., F. Mr. Cowherd.


Fundamental principles of accounting; a study of business papers, journals, and ledgers; periodic adjustments and closing of the books; preparation and interpretation of financial statements; various refinements in accounting technique for a modern enterprise; with a practice-set of problems. Prerequisite, sophomore standing. Three hours throughout the year. 2:30 T., Th., F. Mr. Pilaar.

A study of the theoretical and practical aspects of consumer economics. The first half of the course is concerned with those forces creating consumer demand patterns and the restrictions on consumer freedom of choice. The second half considers family budgeting, intelligent consumption, and aids for the consumer. Three hours, first semester, 11:30 M., W., F. Mrs. Cowherd.
113. Labor Problems.
Labor unions and collective bargaining; unemployment and employment stabilization; working hours, wage plans, and wage policies; job analysis; administrative policies on recruitment, selection, training, and promotion; personnel records. Prerequisite, course 1, 2. Three hours, first semester, 1945-46. 10:30 M., W., F. Mr. Cowherd.

114. Principles of Foreign Trade.
Principles and common practice in international commerce; historical and geographical aspects; tariffs and commercial policies; foreign exchange and investments; advertising, financing, and organization of foreign sales. Prerequisite, course 1, 2. Three hours, second semester, 1946-47. 8:00 T., Th., S. Mr. Cowherd.

118. Government and Business. See Political Science 118.

119. Cost Accounting.
Theories and practices in cost accounting for industrial enterprises; various systems and their adaptability to special industries; managerial cost analysis; with problems in practice-set. Prerequisite, course 1, 2, and course 19, 20. Three hours, second semester, 1946-47. 10:30 M., W., F.

127. Taxation and Public Finance. See Political Science 127.
113. Background of World War II (1919-1939).

An intensive study of the political, economic, and social problems arising out of the Peace Settlement and the period following World War I. For advanced students. Prerequisite, course 1, 2. Three hours, first semester. 11:30 T., Th., S. Miss Donaldson.

114. Europe and World Trends Since 1939.

A continuation of course 113, covering the period from the opening of World War II to the present; an intensive study of its causes and course; present social, economic, and political trends. Three hours, second semester. 11:30 T., Th., S. Miss Donaldson.

115. The Far East.

After a brief study of the chief oriental cultures, the problems arising from the contacts of Europeans and Americans with China, Japan, and India are considered. Special emphasis is placed on the events leading up to the invasion of Manchuria by the Japanese in 1931 and the outbreak of war in the Pacific. Three hours, second semester, 1946-47. 8:00 M., W., F. Mr. Dunbar*


Methods and procedures suitable to the teaching of the social studies in the secondary schools are considered. For advanced students. Two hours, second semester. 4:00-6:00 W. All history majors who desire to teach in the secondary schools are required to take this course. 1946-47. Mr. Hauptman.

123. Political Parties and Electoral Problems.

The history of political parties in the United States; campaigns, elections, and voting procedures. Lectures, readings, investigations, reports, discussions. Three hours, first semester, 1946-47. 1:30 M., T., Th. Mr. Cornell.

124. History of American Foreign Policy.

A study of the diplomatic relations between the United States and the European nations, the other American countries, and the Far East from the Revolution down to the present time. No prerequisite. Three hours, second semester, 1946-47. 1:30 M., T., Th. Mr. Dunbar.*

*On Leave 1944-45.
I. Governmental Processes

Courses 3 and 20 are open to sophomores. Other courses are open to juniors and seniors only.

3. The State and the Individual.

Those phases of constitutional government controlling the relations between the state and persons within its jurisdiction. Three hours, first semester. 8:00 M., W., F.

20. Local Government and Administration.

A study of the modern city as an inclusive public-serving corporation. Consideration is given to city-state relations, municipal powers, and administrative problems. Three hours, second semester. 8:00 M., W., F.

105. International Organization.

A study of the organization made available for international cooperation. Two hours, first semester, 1946-47. 9:00 W., S.

106. International Law and Relations.

The constitutional, diplomatic, and legal phases of international cooperation. Two hours, second semester, 1946-47. 9:00 W., S.

108. Legislation.

A section from the field of constitutional law dealing with the scope and limitations of legislative power. Three hours, second semester, 1946-47. 8:00 T., Th., S.

109. Administration.

A study of the administrative process. Three hours, first semester, 1946-47. 8:00 T., Th., S.

110. Judicial Administration.

The organization, jurisdiction, procedure, function, and specialization of our courts. Three hours, second semester, 1945-46. 8:00 T. Th., S.

116. Contemporary International Relations. See History 114.

124. American Foreign Policy. See History 124.

II. Government at Work

117. Domestic Relations.

Selected problems from the field of personal relations; parent and child, guardian and ward, husband and wife, official and charge. Three hours, first semester, 1945-46. 9:00 W., S. Additional hour to be arranged.

126. Criminal Justice.

The study of the individual and social interests secured through the administration of criminal justice, and the evaluation of the means employed in the process. Three hours, second semester, 1945-46. 9:00 W. S. Additional hour to be arranged.


A study of contracts, negotiable instruments and agency as basic principles of business relationships. Three hours, first semester, 1946-47. 11:30 M., W., F.

142. Government and Business—Trade Regulation.

A study of the program and procedures involved in the regulation of economic enterprise. Three hours, second semester, 1946-47. 11:30 M., W., F.

144. Government and Business—Labor Law.

The relation between employer and employee. Three hours, second semester, 1945-46. 11:30 M., W., F.

III. Seminars

Open to graduates and senior political science majors.


A study of the problems related to area planning, with emphasis on the post-war period. Two hours, second semester, 1946-47. 4:00-6:00 W.

155. Public Finance Administration.

A study of financial problems and procedures, with emphasis on post-war modifications. Two hours, first semester, 1946-47. 4:00-6:00 W.

157, 158. Municipal Management.

A study of the management of the modern city in its several phases and departments. The work of the seminar is supple-
mented by special lectures by Mr. Edward S. Clark, city manager of Kalamazoo, and members of his staff. Open to members of the clinic in Municipal Administration. Two hours throughout the year. 4:00-6:00 T.

159. Public Relations.
A study of the factors involved in the influencing of public opinion; analysis and application of the methods used by industrial, social, and political organizations in promoting important projects. Two hours, first semester, 1945-46. 4:00-6:00 W.

Group Majors: In cooperation with related departments group majors are offered in the following fields: Jurisprudence (pre-legal study), International Relations, Public Administration.

The Bureau of Municipal Research is conducted as a joint enterprise by the administration of the City of Kalamazoo and the Department of Political Science of Kalamazoo College. This bureau is organized as a division of the city manager's office. Its objectives are to provide clinical contacts for advanced undergraduates and graduate students in the field of public administration and to make available to the administration of the city and others interested, the results of studies of typical city administrative problems. The city manager and members of his staff participate in conferences with the students and act as research advisers upon projects within their several fields.

SOCIIOLOGY

PROFESSOR HIGHTOWER

Courses open to sophomores, juniors and seniors. Ordinarily at least one of the "survey courses," under "A" below, is prerequisite to subsequent courses. Majors in the department are expected to complete three hours of field work.

A. Survey Courses

An inductive study of social organization, processes, and controls, based upon field observation, published sources, and contemporary contributions. Three hours, first semester. 8:00 T., Th., S.

Brief and intensive studies of the major contemporary social problems, including the organization and disorganization of societal groups, and their effects upon the person. Plans and programs of social reconstruction are examined. Three hours, second semester. 8:00 T., Th., S.

103. Cultural Anthropology.
The origin and development of man and his culture. Modes of living in primitive societies. Three hours, first semester, 1946-47. 9:00 M., Th.

B. Advanced Courses

111. Rural Sociology.
A study of present day rural society with reference to organization, problems, policies, and trends. Three hours, first semester, 1946-47. 1:30 T., Th., F.

112. The Family.
A study of the origin and development of the family, together with an analysis of the structure, function, and problems of the American family. Three hours, second semester. 1:30 T., Th., F.

113. Urban Sociology.
A study of urban society, its rise, development, organization, controls, and effects in modern civilizations. Three hours, first semester, 1945-46. 1:30 T., Th., F.

115. Race Relations.
Migrations and population problems. Racial and national prejudices, conflicts, and accommodations. Minority groups in society. Three hours, first semester, 1945-46. 9:00 M., T., Th.

118. Crime and Delinquency.
A causal study of criminal behavior and an analysis of methods of treatment and prevention. Prerequisite, 6 semester hours in sociology, or 6 hours in sociology and political science. Three hours, second semester. 9:00 M., T., Th.

An investigation of the dynamic relationships between individuals and society. Group behavior, socializing processes, social interaction and adjustments, are studied. Prerequisite, Psychology 1 and Sociology 1 advised. Three hours, second semester, 1946-47. 10:30 M., W., F.

133. Elementary Social Statistics.
Primarily for social science majors, the course provides basic statistical analysis and interpretation of social data. Statistical methods included are: frequency distributions, graphs, averages, dispersions, probability, correlations and sampling. Open to advanced students in the social sciences with the consent of the instructor. Three hours, first semester. 10:30 M., W., F.
191, 192. Special Problems.

Other courses will be arranged to suit the needs of individual graduates or undergraduates with not less than 12 hours in sociology.

C. Pre-social Work Courses

121. Fields of Social Work.

A general survey of the main fields of modern social work, including case, group, and institutional work, and organization and promotion. Prerequisite, 9 hours in sociology. Three hours, first semester. 8:00 M., W., F.

123. Supervised Field Work.

Practice field work in connection with various social work agencies in the community. Credit on the basis of 54 hours of field work and conferences per semester hour. One to three hours throughout the year. All majors in the department are expected to complete three semester hours of field work. One or two hours may be done during the summer months under the direction of an approved social agency.


A study of child life in American society with special consideration of child problems and means of promoting the well-being of children. Prerequisite 9 hours in Sociology. Three hours, second semester, 1946-47. 8:00 M., W., F.

126. Public Welfare.

This course deals with the development, organization and function of public welfare, especially in the United States. Social change and modern problems in public welfare administrations are discussed. Three hours, second semester, 1945-46. 8:00 M., W., F.

Individual programs are organized cooperatively with each student who plans to teach. Types of teaching are studied; different types and levels of schools are visited; some case studies of adolescents are made; texts and teaching materials are examined; each student develops a unit and plans lessons in his subject field. Three hours, first semester, 9:00 M., T., Th., seniors. Second semester, 2:30 T., Th., F., juniors by permission of instructor. Prerequisite, course 2. Required of candidates for the secondary certificate.

114. History and Problems of Education.

To meet the interests and needs of those not planning to teach, as well as of those working toward certification. A consideration of educational theories and practices showing the relationship between education and the social, economic, political, and religious movements of their times in Europe and America. Present day leaders and movements are emphasized. Seniors. Other by permission of the instructor. Three hours, second semester. 10:30 M., T., Th.

115. Secondary Education.

Designed as a general course for all students interested in education whether they plan to teach or not. Examines the American school system as a basis for understanding the function of the secondary school in modern education. Each student participates in some activity with adolescents in home, school, or out of school groups in the community. The curriculum, fields of service, professional relationships, and personal growth are considered. Alternates with Education 111. Three hours, first semester, 1945-46. 2:30 T., Th., F.

123. Instruction in the Elementary School.

Considers the elementary school and its curriculum. Taught cooperatively by staff members of the various divisions. Juniors. Three hours, one semester. Hours to be arranged.


Designed for candidates for the elementary certificate who can arrange a twelve hour block program of unified study in education. Its purpose is to integrate the work in professional education and to make possible more direct participation in actual school situations in the community. The block includes: (a) Educational Psychology (b) Principles of Teaching in the Elementary Schools (c) Directed Teaching. Seniors. Twelve hours credit.
Intercollegiate Athletics

The men are encouraged to participate in intercollegiate sports (football, basketball, track and field, tennis, and golf). Only those who meet the academic eligibility requirements of the Michigan Intercollegiate Athletic Association may participate in varsity sports. While participating in varsity sports students are excused from required courses in the department.

Intramural Programs

For Men.

The following sports are included in the intramural program: touch football, basketball, swimming, water-polo, badminton, volleyball, softball, tennis, track and field, ping pong, and bowling. This program is conducted on an interclass and intersociety basis.

For Women.

The following sports are included in the intramural and intersociety program: soccer, volleyball, basketball, softball, tennis, badminton, archery, and golf.

The Women's Athletic Association, working in collaboration with the department, promotes an active interest in sports among the women.

Class Work

Courses numbered under 50 are non-credit courses. Courses numbered above 50 are given for regular academic credit.

Courses the numbers of which are followed by the letter M are open only to men; courses the numbers of which are followed by the letter W are open only to women. All other courses are open to both men and women.

All students are required to complete four semesters of physical education without academic credit. This work is to be done during the first two years in residence.

Non-Credit Courses

For Men

Courses 3-12 are omitted for the duration.

1 M., 2 M. Recreational Sports and Personal Hygiene.

Instruction and practice in such activities as touch football, soccer, speedball, volleyball and playground ball. Two hours, each semester. Required of freshmen and sophomores.

In addition to the above, weekly lectures on matters of personal health and hygiene are required of freshmen during the first semester. Mr. Colby, Miss Matson.

For Women

1 W., 2 W.; 3 W., 4 W. Sections a, b, c, d, e.

Instruction and practice in such group activities as tennis, fieldball, volleyball, basketball, softball, badminton, and winter sports. Two hours, first and second semesters.

Sections f, g, h, i, j, k.

Instruction and practice in such individual activities as bowling, swimming, archery, ballet and tap dancing, riding and golf. Two hours, first and second semesters.

All Freshmen are required to take Hygiene once a week as a part of their physical education course during the first semester.

7 W., 8 W. Individualized Programs.

Offered for women needing special work such as corrective and remedial exercises, swimming, riding, golf. Hours to be arranged. Miss Matson.

Credit Courses

For students planning to complete a minor in physical education courses 51, 59, 60, 61, 62, 63, 132; Biology 4, 105; Psychology 1, 2; and Sociology 1, 6 are recommended.
51. Health Education.  
A study of personal and social hygiene. Attention is given to the important communicable and preventable diseases and to other community health problems. Open to juniors and seniors only. Two hours, first semester. 3:30-5:15 T. Miss Matson.

52. An Introduction to Physical Education.  
An interpretation of physical education as a part of general education. A survey of the history, objectives, principles, organization and administration of physical education for various age groups. Three hours, second semester, 1946-47. 11:30 T., Th., S. Miss Matson.

53. Playground and Community Recreation.  
Problems of playground leadership, modern methods of organization, and administration of playgrounds and community centers. A course designed to prepare prospective leaders of recreation. Two hours, first semester, 1:30 T., Th. Miss Matson.

54. Camp Counseling.  
A study of the program of the summer camp, with special emphasis on the problems relating to the summer counselor. One hour, second semester, 2:30 W. Miss Matson.

57M. Theory of Sports.  
A study of football, basketball, and track. Principles of coaching, strategy, and study of rules. Three hours, first semester. 1:30 Mr. Colby.

57W. Theory and Practice of Team Sports.  
A consideration of the techniques, organization, and coaching of the more highly organized sports such as soccer, fieldball, volleyball, and baseball. Two hours, first semester. 9:00 W., S. Miss Matson.

59. First Aid.  
Study of the methods of rendering first aid in case of accident or sudden illness as outlined by the American Red Cross. One hour, first semester. 2:30 M. Miss Matson.

A one semester course open to physical education minors. A study to give the student an anatomical and physiological basis for the selection of certain athletic forms, such as tennis strokes, techniques of diving, track, and field activities, baseball, and basketball. Four hours, second semester. 3:30 M., T, Th, F. Miss Matson.

61, 62. Officiating.  
A course designed to teach the skill of officiating in all major sports. To fulfill the course requirement each student must satisfactorily pass the written and practical examinations compiled by the National Section on Women's Athletics of the American Association of Health, Physical Education and Recreation. Two hours, first and second semesters. Hours to be arranged. Miss Matson.

63. Technique of Team Sports and Games. (Formerly 56 and 57).  
The practice and study of the techniques involved in the organization and teaching of major and minor team sports and lower organized games. Three hours, second semester. 2:30 T., Th., and one additional hour. Miss Matson.

64. Practice of Activities.  
Daily practice and coaching to acquire the technique of gymnastics, athletics, corrective sports, and dancing. Open only to minors in the department. One hour each semester to be arranged. 1946-47. Miss Matson.

65. Principles of Physical Education.  
A survey of the philosophical bases for the principles of physical education. Two hours, first semester, 11:30 T., Th. Miss Matson.

132. Methods of Teaching Physical Education.  
Methods and materials for the teaching of physical education in the public schools, recreation centers, and Y.W.C.A. Three hours, second semester. 9:00 T., Th., one additional hour to be arranged. Miss Matson.
Suggested Courses

SHOWING PROFESSIONAL AND VOCATIONAL RELATIONSHIPS*

Kalamazoo College is definitely committed to the ideals of a college of liberal arts and sciences. Having been first in the field among the chartered institutions of higher learning in Michigan, it has naturally adhered to that type of instruction which seeks primarily the enlargement and enrichment of the student's life rather than specific training for his subsequent vocation.

For students showing ability and purpose sufficient to warrant membership in college, those mental attitudes, methods and tastes which characterize a liberally educated person can usually be made dominant in the course of four years. Therefore, in order to accomplish its main and inclusive purpose, the College emphasizes the importance of the full four year course. Whatever profession or business may be followed later by our graduates, we feel obligated to see to it that an ample background of culture and the power of orderly thinking have been provided prior to training in professional technique or vocational skill. From this point of view it is important that our graduates have the equipment for living the kind of life which will bring them real satisfaction.

However, it must not be supposed that college life is a sheer luxury or that the disciplines of the curriculum have no worth or meaning for a livelihood. Since many college students are thinking of definite careers it is due them to relate certain subjects of the liberal arts course to some of the standard vocations. The outlines given below do no violence to the standards of a college of liberal arts and sciences but aim rather to make clear to the student those professional and vocational relationships that remain obscure when courses are announced solely under departmental headings.

BUSINESS

The course of study in economics and business administration emphasizes an extensive cultural background as well as specific

*For the duration Kalamazoo College will do its utmost to make it possible for its students to prepare themselves for useful and necessary participation in the great task of winning the war, and preparing for a just peace, even if this means leaving college before graduation or completing the course in three years by pursuing an accelerated program.

SUGGESTED COURSES

training through specialized courses. Business men can easily find technicians who show skill at particular tasks, but they have more difficulty in obtaining men with breadth of vision who understand the social and economic implications of a dynamic society.

The student who intends to enter business is advised to enroll in Principles of Economics and Principles of Accounting in the sophomore year. Greater concentration in economics and business administration will follow during the junior and senior years. Beginning in the sophomore year, the student is also advised to study widely in the other social sciences, in psychology, and in speech. The particular courses will be suggested in conference with the adviser.

The course in business is thus designed to act as a fundamental basis for graduates who will go directly into business and for those who plan to enter a graduate school of business.

TEACHING

Kalamazoo College offers work leading to the certification of teachers in the elementary and secondary school fields. Men and women of broad cultural background, strong scholarship, adequate professional training, and good social and personal qualities are needed. Candidates for certification should plan a well rounded program of studies and should participate in a reasonable number of campus and community activities which will give them experience in organizing or leading like activities in the community in which they will teach.

Secondary school teachers with desirable teaching major and minor combinations in English and Speech, the Social Studies, the Sciences, Physical Education and Music are in demand. Those who can organize and direct community programs of athletics, dramatics and music are needed. Candidates for either certificate should familiarize themselves with requirements of the state in which they wish to teach, and should plan their programs to meet those requirements not later than the end of the freshman year, in conference with the Director of Education.

In general, professional education requirements may be met by the following courses in education: for the Secondary Provisional Certificate, 111 or 115, 2, 113, 114, 131; for the Elementary Provisional Certificate, 111, 123, 125, 114.

ENGINEERING

Combined Curriculum

A combined curriculum in engineering, embracing a three year course in Kalamazoo College and a two year course in the College of Engineering of the University of Michigan was approved by
the faculties of both Colleges in the spring of 1940 and was author­
ized by the Board of Regents of the University of Michigan on
June 14, 1940, and by the Board of Trustees of Kalamazoo College
on June 15, 1940.

The student enters Kalamazoo College upon graduation from
high school and takes specified courses in chemistry, physics,
mathematics, and engineering drawing, together with courses of
a general cultural nature, for a period of three years. He then
transfers to the University of Michigan. After the successful com­
pletion of one year of study in the College of Engineering he
receives the Bachelor of Arts degree from Kalamazoo College.
Upon the successful completion of two years' work in the College
of Engineering he receives the degree of Bachelor of Science in
Engineering from the University of Michigan.

Applicants for admission to the Combined Curriculum must
meet the regular requirements for admission to Kalamazoo College,
must offer a major sequence in mathematics (including solid
geometry), and must have taken while in high school a course
in either chemistry or physics. They must have earned superior
grades in high school, especially in mathematics and science.

The following outline indicates the courses for which the
student registers at Kalamazoo College. Students will be advised
by counselors in the College of Engineering regarding the courses
which they will elect in that College.

**First Year**

<table>
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<tr>
<th>First semester</th>
<th>Second semester</th>
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<tbody>
<tr>
<td>Rhetoric 1</td>
<td>Rhetoric 2</td>
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<tr>
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<td>Mathematics 1</td>
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<td>4 hours</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>Chemistry 2</td>
</tr>
<tr>
<td>4 hours</td>
<td>4 hours</td>
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<tr>
<td>Eng. Drawing</td>
<td>Eng. Drawing</td>
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<tr>
<td>3 hours</td>
<td>3 hours</td>
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<td>*For. Language</td>
<td>*For. Language</td>
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<tr>
<td>4 hours</td>
<td>4 hours</td>
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<tr>
<td>Physical Ed.</td>
<td>Physical Ed.</td>
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<td><strong>18 hours</strong></td>
<td><strong>18 hours</strong></td>
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*If the student desires to do so, he may postpone the foreign
language to the second and third years and fulfill the humanities
requirement during the first year. Although philosophy and psy­
chology courses are not open to freshmen, courses in art, music,
or religion may be taken during the freshman year to fulfill this
requirement. Students who have had two years of a modern for­
eign language in high school should continue the study of the
same language the first year.

**Suggested Courses**

### Second Year

**Aeronautical, Civil, Electrical, Marine, Mechanical**

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Mathematics 103</td>
<td>5 hours</td>
<td>Mathematics 104</td>
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<tr>
<td>Physics 1</td>
<td>5 hours</td>
<td>Physics 2</td>
<td>5 hours</td>
</tr>
<tr>
<td>For. Language</td>
<td>4 hours</td>
<td>For. Language</td>
<td>4 hours</td>
</tr>
<tr>
<td>Economics 1</td>
<td>3 hours</td>
<td>Economics 2</td>
<td>3 hours</td>
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<tr>
<td>Physical Ed.</td>
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<td>Physical Ed.</td>
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<tr>
<td><strong>17 hours</strong></td>
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**Chemical and Metallurgical**

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<th>Course</th>
<th>Credits</th>
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<td>Mathematics 103</td>
<td>5 hours</td>
<td>Mathematics 104</td>
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<tr>
<td>Physics 1</td>
<td>5 hours</td>
<td>Physics 2</td>
<td>5 hours</td>
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<tr>
<td>For. Language</td>
<td>4 hours</td>
<td>For. Language</td>
<td>4 hours</td>
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<tr>
<td>†Chemistry 103 or 105</td>
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<td>†Chemistry 104 or 106</td>
<td>3 or 4 hours</td>
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<tr>
<td>Physical Ed.</td>
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<td>Physical Ed.</td>
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<tr>
<td><strong>17 or 18 hours</strong></td>
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<td><strong>17 or 18 hours</strong></td>
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### Third Year

**Aeronautical**

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<th>Course</th>
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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Humanities</td>
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<td>Humanities</td>
<td>3 hours</td>
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<tr>
<td>Physics 115</td>
<td>4 hours</td>
<td>Physics 116</td>
<td>4 hours</td>
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<tr>
<td>Physics 119</td>
<td>3 hours</td>
<td>Physics 120</td>
<td>3 hours</td>
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<tr>
<td>Mathematics 111</td>
<td>3 hours</td>
<td>Elective</td>
<td>3 hours</td>
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<tr>
<td>English or Speech</td>
<td>3 hours</td>
<td>English or Speech</td>
<td>3 hours</td>
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<tr>
<td><strong>16 hours</strong></td>
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<td><strong>16 hours</strong></td>
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</table>

**Chemical and Metallurgical**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>3 hours</td>
<td>Humanities</td>
<td>3 hours</td>
</tr>
<tr>
<td>Chemistry 103 or 105</td>
<td>3 or 4 hours</td>
<td>Chemistry 104 or 106</td>
<td>3 or 4 hours</td>
</tr>
<tr>
<td>Chemistry 107</td>
<td>3 hours</td>
<td>Chemistry 108</td>
<td>3 hours</td>
</tr>
<tr>
<td>Physics 115</td>
<td>4 hours</td>
<td>Physics 116</td>
<td>4 hours</td>
</tr>
<tr>
<td>Economics 1</td>
<td>3 hours</td>
<td>Economics 2</td>
<td>3 hours</td>
</tr>
<tr>
<td><strong>16 or 17 hours</strong></td>
<td></td>
<td><strong>16 or 17 hours</strong></td>
<td></td>
</tr>
</tbody>
</table>

†Those preparing for Metallurgical Engineering may take
Chemistry 105 and 106 for two hours' credit each semester, omitting
the laboratory work.
Civil, Marine, Mechanical

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Physics 115</td>
<td>4</td>
</tr>
<tr>
<td>Physics 119</td>
<td>3</td>
</tr>
<tr>
<td>English or Speech</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Electrical

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Physics 119</td>
<td>3</td>
</tr>
<tr>
<td>Physics 115</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 111</td>
<td>3</td>
</tr>
<tr>
<td>English or Speech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Students Planning to Attend Other Colleges of Engineering

Although admission requirements in different colleges of engineering vary, the student who takes the course outlined above will find in most cases, that the transfer to any other college of engineering will not be difficult.

Four Year Course

Students desiring to enter colleges of engineering with a broader preparation should take the full four year course at Kalamazoo College prior to enrolling in a college of engineering. The courses indicated above should be elected, but opportunity is afforded for further elections in non-science courses as well as in science and mathematics.

Journalism

A broad general culture is fundamental to winning success on the higher levels of journalism. The course leading to journalism is in no sense vocational; its aim is to lay a broad foundation on which the student can build a career, not to provide him with a mere stepping-stone to a job.

LAW

The student who is preparing for the legal profession should study, during his college course, a wide range of courses in the social sciences and the humanities. His major may be taken in political science or history, but it is recommended that the field of jurisprudence be selected for the major work. Jurisprudence is the field of study "concerned with those phases of social engineering having to do with the ordering of human relations through the politically organized state." The student majoring in this field must elect at least forty semester hours in the several departments offering courses related to it. These courses should be selected in conference with the adviser, since the individual interests and inclinations of the student determine to some extent the nature of the program.

The best preparation for law school requires completion of the full four year college course. First year: Rhetoric 1, 2; modern language; science; History 5, 6. Second year: Language (continued) and introductory courses in several of the social sciences. Third and fourth years: Courses in political science, history, sociology, economics, and philosophy selected in conference with the adviser. Courses which should be elected by all students include Political Science 3, 110; Philosophy 1, 2; History 107, 108.
MEDICINE

To meet the requirements of the American Medical Association, the major work of students preparing for medicine is preferably taken in biology or chemistry, and their electives so planned as to include several courses in the field of the social sciences and humanities.

Most medical schools have adopted an accelerated program of instruction in view of the war emergency. In order to conform to the provisions of the Army Specialized Training Program and the Navy College Training program approved by the War Manpower Commission, the requirement of a college degree for admission to most medical schools has been suspended during the period of the present emergency.

So that the student may satisfactorily complete the minimum requirement of sixty hours for admission to his chosen medical school, the following sequence of courses is suggested:

**First Year**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol. 1 or 3</td>
<td>Biol. 4</td>
</tr>
<tr>
<td>Chem. 1</td>
<td>Chem. 2</td>
</tr>
<tr>
<td>Rhet. 1</td>
<td>Rhet. 2</td>
</tr>
<tr>
<td>Math., if necessary, or</td>
<td>Psych. or</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Math., if necessary, or</td>
</tr>
<tr>
<td></td>
<td>Foreign Language</td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol. 105</td>
<td>Biol. 106 or 116</td>
</tr>
<tr>
<td>Chem. 105</td>
<td>Chem. 106</td>
</tr>
<tr>
<td>Chem. 103 (Qual.)</td>
<td>Chem. 108 (Quant.)</td>
</tr>
<tr>
<td>Chem. 107 (Quant.)—Lect. only</td>
<td>Physics 2</td>
</tr>
<tr>
<td>Physics 1</td>
<td></td>
</tr>
</tbody>
</table>

These requirements are subject to change as a result of action which may be taken by the War Manpower Commission or the Army or the Navy.

A reading knowledge of French or German is desirable, and the premedical student is advised to secure it if possible.

Students who are not eligible to serve with the armed forces are advised to continue their collegiate studies and obtain a Bachelor's degree before entering medical school.

The Scholastic Aptitude Test for Medical Students is designed by the Association of American Medical Schools, and is given in more than six hundred colleges each year during the third week in January. Since for most medical schools this test is an important factor in connection with admission, every student planning to study medicine is urged to take this test during his junior or senior year in college.

DENTISTRY

It is suggested that students preparing to enter a school of dentistry follow the course recommended above for those planning to study medicine.

NURSING

A few nursing schools now require the satisfactory completion of a college course leading to the Bachelor's degree. An increasing number require the satisfactory completion of two or more years of college work. College courses which furnish a sound background for nursing are those in: chemistry, biology, psychology, English, speech, and sociology. Courses in philosophy, education, economics, history, modern languages, and appreciation of art and music should also be included. Abundant opportunities exist on a small college campus for the development of those qualities of temperament and personality which are essential in nursing, such as tact, constructive sympathy, resourcefulness, and adaptability.

THE CHRISTIAN MINISTRY

Students preparing for the Christian ministry should have a good foundation in Biblical literature, English literature, the biological and social sciences, and philosophy. The following program is suggested as meeting the requirements of most graduate schools of religion.

**First Year.**

Rhetoric, Biology 1 or 3, 4, modern language, and History 1, 2 or Religion 5, 6, or 9, 10.

**Second Year.**

English Literature 1, 2, modern language, Psychology 1, 2, Economics 1, 2, History 1, 2, or Philosophy 1, 2, Speech 11, 12.

**Third and Fourth Years.**

Courses should be chosen from religion, English literature, history, philosophy, political science, and sociology. Students who are actively engaged in church work will find it advisable to take the courses offered in religious education.
CLINICAL AND LABORATORY TECHNIQUES

In view of the increasing demand for laboratory technicians, the following course is suggested as furnishing the background necessary for specialized training leading to certification in clinical and laboratory techniques. It is recommended that between the second and third years the student attend a summer school where technical courses can be pursued which are specifically valuable for future needs.

Because of the highly technical and specialized nature of such a vocation, the Upjohn Company offers to well qualified students during their junior or senior year a practical course in general bacteriology. This work is done in the laboratories of the Upjohn Company and under the supervision of the Director of Bacteriological Research.

First Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 1 or 3</td>
<td>Biology 4</td>
</tr>
<tr>
<td>4 hours</td>
<td>4 hours</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>Chemistry 2</td>
</tr>
<tr>
<td>4 hours</td>
<td>4 hours</td>
</tr>
<tr>
<td>Rhetoric 1</td>
<td>Rhetoric 2</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>For. Language</td>
<td>For. Language</td>
</tr>
<tr>
<td>4 hours</td>
<td>4 hours</td>
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<tr>
<td>15 hours</td>
<td>15 hours</td>
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</table>

Second Year

<table>
<thead>
<tr>
<th>Biology 105</th>
<th>Chemistry 105</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 hours</td>
<td>4 hours</td>
</tr>
<tr>
<td>Psychology 1</td>
<td>Chemistry 104</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>History and Theory of Bacteriology</td>
<td>Chemistry 116</td>
</tr>
<tr>
<td>2 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
</tr>
<tr>
<td>2 to 5 hours</td>
<td>2 to 5 hours</td>
</tr>
<tr>
<td>15 to 18 hours</td>
<td>15 to 18 hours</td>
</tr>
</tbody>
</table>

Third Year

<table>
<thead>
<tr>
<th>Biology 112</th>
<th>Chemistry 117</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>Physics 1</td>
<td>Histology and</td>
</tr>
<tr>
<td>5 hours</td>
<td>Parasitology</td>
</tr>
<tr>
<td>Chemistry 117 lect.</td>
<td>2 hours</td>
</tr>
<tr>
<td>1 hour</td>
<td>2 hours</td>
</tr>
<tr>
<td>Electives</td>
<td>Chemistry 108</td>
</tr>
<tr>
<td>5 to 8 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
</tr>
<tr>
<td>2 to 5 hours</td>
<td>2 to 5 hours</td>
</tr>
<tr>
<td>15 to 18 hours</td>
<td>15 to 18 hours</td>
</tr>
</tbody>
</table>

SOCIAL WORK

This is a growing profession for men and women. It includes social case work, social group work, community organization, public welfare administration, and social research. Each of these divisions represents a variety of specialties. Many social work positions are available to qualified college graduates. Others require additional preparation in graduate schools of social work. Those planning to enter social work as a profession should make their desire known to their advisers when electing their college courses.

All students intending to prepare for any branch of social work should fulfill the fundamental College requirements in rhetoric, modern language, and laboratory science, in the first two years. In the sophomore year they should elect introductory courses in sociology, and in at least one other social science, or in psychology. The requirement of six semester hours in Division III should be completed in the sophomore or junior year. Major concentration in sociology, and minor concentration in other departments, should be undertaken in the junior and senior years. Individual counsel and objective tests are provided to assist students in determining their interests and aptitudes for specific vocations in social work. All majors in the Department of Sociology are expected to do supervised field work in the community.

PERSONNEL

The field of personnel training is receiving increased attention from industrialists and educators. Personnel work deals with human relations in the workaday world. Personnel departments are maintained today in many business and industrial organizations; also in governmental, educational, and social welfare agencies employing a considerable number of people. Through the use of interviews, tests, ratings, and performance studies, individuals are selected for, placed in, and transferred to and from jobs on the basis of their interests, abilities, education and experience. A student who is interested in doing personnel work upon graduation will find that Kalamazoo College offers a number of very helpful courses in the fields of psychology, political science, eco-
nomic and sociology. A knowledge of personnel principles and methods is of very real value for all students planning to enter industry, business, social welfare work, education, or administrative work of any kind. Students are urged to counsel with the heads of the departments mentioned above as to a choice of courses in this field. They are reminded that group majors may be worked out for such related fields as economics and sociology, political science and economics, political science and sociology, with a minor in psychology. Among the courses which would be of value to students in these or related fields may be listed the following as possibilities: Labor Problems, Psychology of Personnel Management, Administration, etc. Kalamazoo College has planned its courses dealing with personnel problems in such a way as to provide a broad general basis of preliminary training which will serve as the foundation for an intelligent guidance and counsel training program.

PUBLIC ADMINISTRATION

The diversity of positions and the difference in demand in each case make it difficult to suggest a complete program. Such a program should be worked out with a competent adviser in terms of the ability and interests of the individual student as they relate to the field of public administration. As history forms part of the essential background of any such training, students should plan to include work in English and American history, constitutional history, and political parties. This would indicate that History 5, 6 should be elected in the freshman year. Introductory courses in economics and sociology should be included in the second year elections in order to allow for further work in those areas during the junior and senior years. The courses in political science dealing with governmental processes should be considered in the second year, beginning with course 3. Psychology 1, 2 and basic courses in philosophy and ethics should also be included.

A functional major in the field of Public Administration aims to engage in the investigation of governmental problems by means of: the background afforded by history, the meanings and values afforded by philosophy, the findings of psychology, the theories and methods of investigation developed by sociology, economics and political science. This program is based upon the unity of the social sciences.

HONORS AND PRIZES

HONORS FOR THE YEAR

Students who have satisfied the entrance requirements and who have completed at least twenty-eight hours of work, including the required work, each year of residence are eligible. Honors for the year are awarded to eligible students if they have earned 2.5 quality points per hour for the work of the year.

High honors for the year are awarded to eligible students who have earned 2.75 quality points per hour for the work of the year.

HONORS FOR THE COURSE

Honors for the course are awarded to eligible students if they have earned 2.5 quality points per hour for one hundred twenty hours (ninety hours if they have been in residence only three years, sixty if only two years).

High honors for the course are awarded to eligible students if they have completed one hundred twenty hours with 2.75 quality points per hour (no D work during junior and senior years).

Recipients of honors for the course receive their degrees Cum Laude. Recipients of high honors for the course receive their degrees Magna Cum Laude.

HONORS IN A MAJOR

Honors in a major are awarded on the basis of successful completion of an approved course of studies and a comprehensive examination covering all the work included in the major. Details of the plan are as follows:
1. A student who plans to work for honors in a major must declare his intention not later than the beginning of his senior year and preferably at the beginning of his junior year.

2. He must have at least a B average for his entire course up to the date of his application to work for honors, and this application must be approved and signed by his adviser in the major department or field. The program for his honors work must be filed by the end of the second week at the beginning of the college year, and approved by the Committee on Honors and Individualization. Upon such approval the student is designated as "reading for honors."

3. Reading for honors includes any or all of the following features, in addition to regular course work: individualized courses, seminars, independent reading and study, frequent conferences with the major adviser.

4. As the objective for the student is comprehensive knowledge and understanding within a department or field of study, honors work includes material not covered in regular courses, and its success is measured by the extent to which the student has mastered the area of his major and by the richness and range of his understanding in that area.

5. An average of 2.5 quality points per hour for all courses taken in the major up to the middle of the senior year is a prerequisite for admission to the comprehensive honors examination. The written portion of this examination is given on the Tuesday following the third Monday before commencement. The oral examination is held during the same week.

6. The fact that a student is graduated with honors in the major is noted on the commencement program, and in the college catalogue for the following year.

7. At the discretion of the instructors involved, examiners who are not members of the college faculty may be invited to assist with the oral examination. In order to provide an opportunity for uninterrupted study, an honors student may, with the consent of his adviser, be excused from class attendance in his major for one week before the comprehensive examination.

HONOR SOCIETIES

Phi Kappa Alpha, the academic honor society, was organized in May, 1940, by the members of the faculty holding membership in Phi Beta Kappa, Phi Kappa Phi, or Sigma Xi. Its purpose is to promote and give formal recognition to high scholastic achievement among the students of Kalamazoo College. Early in the second semester the faculty members of the society elect to membership a limited number of seniors and a smaller number of juniors on the basis of their academic records for three and a half years. The new members are honored at an invitation banquet at which they also receive the society emblem, the Phi Kappa Alpha key.

A chapter of the national Alpha Lambda Delta, freshman scholastic honor society for women, was installed on March 5, 1942. The national organization was founded at the University of Illinois in 1924, and there are now more than fifty chapters, all in colleges approved by the Association of American Universities. Freshman women who make an average of 2.5 for the first semester or for the entire year are eligible for membership.

SCHOLARS GROUP

Those students of the junior and senior classes who have earned an average of two or more points per semester hour constitute the Scholars Group. Students entering from other colleges are not eligible until they have spent one year in residence in Kalamazoo College.
The College has approximately $300 to distribute each year in prizes. Ten of these prizes are endowed and the others are provided by annual contributions. Attention is called to the desirability of having all prizes permanently endowed.

**Endowed Prizes**

1. The William G. Howard Memorial Fund, endowed to the sum of $4,000, one-half of the interest on which is applied to prizes in political science and economics, while the other half is used toward the professorship in political science, is endowed by Harry C. Howard in memory of his father, William G. Howard, B.S., 1867, for many years a trustee of the College. One prize is awarded for excellence in any year's work in political science. One prize is awarded to that member of the graduating class who has done the best work in a major in economics.

2. The Sherwood Prize, endowed to the sum of $250 by the late Rev. Adiel Sherwood, D.D., of St. Louis, is given for the best delivery of a declamation by a freshman at a public contest.

3. The Cooper Prize, endowed to the sum of $250 by the late Charles Cooper, Esq., of White Pigeon, is given for the best delivery of an oration by a junior or a senior.

4. The Winifred Peake Jones Prize, endowed to the sum of $500 by the late Mr. W. O. Jones, is given for excellence in the first year's work in biology.

5. The LeGrand A. Copley Prize in French is endowed to the sum of $200. This prize, established by the late Mr. LeGrand A. Copley, M.A., 1867, is awarded for excellence in the second year's work in French.

6. The Stone Prize is endowed to the sum of $500. On account of a gift to the College from the Sarah Messer Thurston estate, the trustees have established an annual prize for excellence in the Department of Education to be known as the Stone Prize, in honor of J. A. B. Stone, D.D., president of the College from 1843 to 1863.

7. The Clark Benedict Williams Prize in Mathematics, endowed to the sum of $400 by the mathematics majors of the Class of 1923, is awarded to that member of the graduating class who, having completed with excellence at least twenty-four hours in mathematics, has made the best record in mathematics and the allied sciences.

8. The O. M. Allen Prize, endowed to the sum of $250 by the family of Mrs. J. D. Clement, is given for the best essay written by a member of the freshman class.

9. Kalamazoo College Athletic Association Medal. To encourage a high standard of excellence in scholarship and athletics a gold medal is awarded to that man of the senior class who in the opinion of the faculty has most successfully combined high scholarship with athletic prowess during his four years in college.

10. The Lemuel F. Smith Award, established by an alumnus in 1944, is endowed to the sum of $500. This annual award, consisting of one year's membership and subscription to one of the journals of the American Chemical Society, is given to the major in chemistry having at the end of the junior year the highest average standing in courses taken in chemistry, physics and mathematics.

**Unendowed Prizes**

11. The Hodge Prize. This prize, established in memory of the Rev. Marvin G. Hodge, D.D., is awarded to that member of the graduating class who, having taken at least a minor in philosophy, has the highest standing in this field.

12. The Todd Chemistry Prize. This prize, established by the late Albert M. Todd, is given for excellence in the first year's work in chemistry.
13. The Todd Sociological Prize. This prize, established by the late Albert M. Todd, is given for excellence in work in sociology in the junior year.

14. The Upjohn Prizes. These prizes, offered by The Upjohn Company, are awarded for excellence in any year’s work in chemistry, except courses 1 and 2.

15. The Oakley Prize. This prize, offered by Mrs. C. W. Oakley, is awarded to that member of the graduating class who has the highest record for the entire college course.

16. The Balch Prize in American History. This prize, offered by the Hon. J. B. Balch, is awarded to that member of the graduating class who has done the best work in the field of American history.

17. The Allen Prize. This prize, offered by Mr. Gerald H. Allen, is awarded for the best year’s work in advanced physics toward a major.

18. The Mrs. R. E. Olds Prize in English Literature. This prize, established by Mrs. R. E. Olds of Lansing, is awarded to that senior majoring in English literature who has maintained the best academic record in this subject throughout the last three years of his college course.

19. The Cooper Prize in Physics. This prize, offered by Mr. Bert H. Cooper, is given for excellence in the first year’s work in physics.

20. The Kirby Prizes in Music. These three prizes, offered by Mrs. L. H. Kirby, are awarded for excellence in organ, piano and vocal music respectively.

**HONORS DAY**

Honors day is observed by the College early in the first semester of each year. On this occasion all scholastic honors and prizes for the preceding year are awarded, except those given to seniors at the preceding commencement.

**DEGREES, HONORS, AND PRIZES**

**DEGREES CONFERRED**

**1944**

**Doctor of Laws**

- Donald Ray Belcher, M. A., New York, N. Y.
- Louis W. Sutherland, Kalamazoo

**Doctor of Divinity**

- John Melvin Prior, B. A., B. D., Hartford, Conn.

**Master of Science**

- Donald Robert Rayman, B. A., Kalamazoo
- Mildred Miriam Wesner, B. A., Kalamazoo

**Bachelor of Arts**

- Esther Ann Anderson, Plainwell
- Hugh Verity Anderson—Cum Laude, Evanston, Ill.
- Marcia Julia Bach—Cum Laude, Chicago, Ill.
- Russell James Becker, Rochester, N. Y.
- Mary Carolyn Duke—Magna Cum Laude, Henry, III.
- Catherine Cecelia Eby, Birmingham
- Kathryn Fern Edwards, Wheaton, Ill.
- Norman D. Erway, Kalamazoo
- Wilma Eleanor Fichter—Summa Cum Laude, Chicago, Ill.
- Marian P. Grove, Berwyn, Ill.
- Dorothy Snider Hardy, Kalamazoo
- Alice Cooley Helmer—Cum Laude, Allegan
- William Henry Herman, Bridgeport, Conn.
- Shirley Elizabeth Heystek, Flint
- Margaret Marilyn Hinkle, St. Joseph
- Cynthia Earl Kerman—Magna Cum Laude, Holt
- James Philip Kerchner, Sturgis
- Dorothy Jane Kiefth, St. Joseph
- Nelson Baird McLaren, Kalamazoo
- Annie Fowler McNeil, Paw Paw
- Carol Irene Metzger, Kalamazoo
- Helen M. Mills, Kalamazoo
- Jean Lilla Netcher, Wyandotte

† Members of the Scholars Group, 1943.
* Members of the Scholars Group, 1944.
HONORS

High Honors for the Year 1943-44

Jean Buckley
Bette Brown
Helen Glaser
Marion Hoff
Patricia Kennett
Dorothy Baird Koehneke

Helen Place
Mary Pratt
Jane Pratt
Barbara Rasmussen
Thomas Sugihara

Honors for the Year 1943-44

Margaret Bebout
Evelyn Burns
Florence Carlyon
Dorothy Jane Conner
Martha Jean Exner
Lillian Fiedorowicz
Joyce Lucille Green
Janet Hall
Marian Hall
Eleanor Hootman
Geraldine James

Doris Lamb
Patricia Miller
Joan Murray
Arleo Smith
Patricia Thompson
Nanita Wetherbee
Shirley White
June Alyce Wilmsen

†Members of the Scholars Group, 1943.
*Members of the Scholars Group, 1944.
The William G. Howard Prize in Economics—
Alice Cooley Helmer

The William G. Howard Prize in Political Science—
Marjorie Lyons Paddon

The Cooper Prize in Junior Oration—
Evelyn Burns

The LeGrand A. Copley Prize in French—
Helen Place

The Stone Prize in Education—
Equally divided between:
Ardith Rowland
Lavon Woodward

The Clark Benedict Williams Prize in Mathematics—
Charles Niffenegger

The O. M. Allen Prize for Freshman Essay—
Jane Christy

The Kalamazoo College Athletic Association Medal—
Charles Niffenegger

The Hodge Prize in Philosophy—
First: Russell Becker
Second: Cynthia Earl Kerman

The Todd Chemistry Prize—
Marjorie LePage

The Todd Sociological Prize—
Dorothy Baird

The Upjohn Prizes in Chemistry—
First: Norman Erway
Second: Charles Niffenegger and Harlan Tiefenthal

The Oakley Prize for the Entire Course—
Wilma Fechter

The Balch Prize in American History—
Cecelia Eby

The Mrs. R. E. Olds Prize in English Literature—
Virginia Taylor

The Cooper Prize in Physics—
Janet Hall

The Kirby Prizes in Music—
Piano: Marilyn Hinkle
Organ: Marion Johnstone
Vocal Music: Marjorie Collins

The Sherwood Prize in Freshman Declamation—
Not awarded.

The Winfred Peske Jones Prize in Biology—
Not awarded.

The Allen Prize in Physics—
Not awarded.

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Students of College

**Graduate**

Koehneke, John Henry — Chemistry — Kalamazoo

**Postgraduate**

Young, Richard — Education — Comstock

**Seniors**

Berk, Barbara — English Literature — Kalamazoo
*Bopp, Agnes Root — English Literature — Kalamazoo
Brown, Bette — Biology — Schoolcraft
Burns, Evelyn — English — Mishawaka, Ind.
Collins, Marjorie — Spanish — Grand Rapids
Conner, Dorothy — History — Paw Paw
Crooks, Jacqueline S. — Philosophy — Kalamazoo
Druinler, Ellen Ann — History — South Bend, Ind.
Exner, Martha Jeanne — Music — Fort Wayne, Ind.
Ferris, Barbara — Sociology — Flint
Gall, Joan Frances — English — South Bend, Ind.
Godley, Betty J. — Sociology — Detroit
*Hall, Janet Griswold — Chemistry — Kalamazoo
Hall, Marian Louise — Sociology — South Bend, Ind.
*Hardy, Kenneth — English Literature — Kalamazoo
Herman, Robert Wayne — Physics — Kalamazoo
*Hootman, Eleanor — Economics — Peoria, Ill.
Hoven, Edith Harriet — Psychology — Detroit
James, Geraldine E. — Speech — Ann Arbor
Johnstone, Marlon Frances — Music — Kalamazoo
Kiefer, Marjorie — Sociology — Monroe
King, Peggy Marie — English Literature — Ann Arbor
*Koehneke, Dorothy Baird — Sociology — Kalamazoo
Koops, Theresa — Sociology — Kalamazoo
Krum, Kenneth — Chemistry — Schoolcraft
*Langel, Dorothy — English — Kalamazoo
Lincoln, Edward Hawley — Chemistry — Kalamazoo
Lotz, Winona Mae — Psychology — Kalamazoo
Pendergrass, John — Political Science — Dowagiac

*Finished Requirements for Graduation, February 1945.

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KALAMAZOO COLLEGE

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### Legal Form of Deeds and Bequests

A deed to the College should be of the same form as a deed to a natural person, except that the correct name of the College should be inserted as the grantee. The name is "The Kalamazoo College." For the sake of identification it would be well to make the name of the grantee in the deed as follows: "The Kalamazoo College, a corporation organized and existing under the laws of the State of Michigan, and located at the City of Kalamazoo in said State."

A bequest in a will would be legally correct if it read as follows: "I give, devise, and bequeath unto The Kalamazoo College, a corporation organized under and by virtue of the laws of the State of Michigan and located in the City of Kalamazoo, in said State, the sum of

\[
\text{Dollars.}
\]

If it is desired to bequeath real estate or personal property other than money, the description of the real estate or of the personal property should be in the place of the specific sum of money.

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For information concerning Kalamazoo College

address

Office of Admissions
Kalamazoo College
Kalamazoo, 490, Michigan