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# General Information:

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CALENDAR

ACADEMIC YEAR—1918-1919.

Tuesday, October 1............................Fall Term Begins
Thursday, November 28, Holiday..............Thanksgiving
Saturday, December 21........................Fall Term Ends
Monday, December 30..........................Winter Term Begins
Wednesday, January 1, Holiday...............New Year's Day
Saturday, February 22, Holiday..............Washington's Birthday
Friday, March 21..............................Winter Term Ends
Thursday, March 27............................Spring Term Begins
Tuesday, April 22..............................Founders' Day
Friday, May 30, Holiday.......................Memorial Day
June 9-14........................................Final Examinations
Saturday, June 14, 8 p. m.....................Sherwood Prize Exhibition
Sunday, June 15................................Baccalaureate Sermon
Monday, June 16...............................Class Day
Tuesday, June 17...............................Meeting of the Board of Trustees
Cooper Prize Speaking
Pinkham-Wright Debate
Alumni Banquet

Wednesday, June 18, 10 a. m. 65th Annual Commencement

ACADEMIC YEAR—1919-1920.

Monday-Tuesday, September 15-16............Registration
Wednesday, September 17.....................First Semester Begins
Thursday-Saturday, November 27-29...........Thanksgiving Recess
December 23, 12:15 p. m. January 5, 6 p. m. Holiday Recess
January 26-31.................................Mid-Year Examinations
Monday, February 2............................Second Semester Begins
Sunday, February 22...........................Washington's Birthday
March 27, 12:15 p. m. April 5, 6 p. m...............Spring Recess
Thursday, April 22............................Founders' Day
Sunday, May 30.................................Memorial Day
June 7-12........................................Final Examinations
Wednesday, June 16..........................66th Annual Commencement
Monday-Tuesday, September 13-14..........Registration
Wednesday, September 15...................First Semester Begins
THE KALAMAZOO COLLEGE

HE plan of establishing The Kalamazoo College or, "The Michigan and Huron Institute," as it was known in the beginning, originated with the Rev. Thomas W. Merrill, a graduate of Colby College. He worked and traveled continuously for several years to raise the necessary funds, and to obtain a charter. The Hon. Caleb Eldred and others were also actively interested in the foundation and organization of the College.

The original charter for the Institute was granted April 22, 1833. The following extract from this charter makes the character of the institution sufficiently evident: "Said trustees shall establish in said territory at such place as they may judge best a Literary Institute, to promote the knowledge of all those branches of education usually taught in academies and collegiate institutions."

In 1837 an unsuccessful attempt was made to obtain a regular college charter and the name was changed to "The Kalamazoo Literary Institute." In 1839 the Institute was merged with the "Branch" of the University of Michigan, but in 1845 the State withdrew its support.
In February, 1855, a college charter of liberal nature was granted by the legislature. By this instrument the Trustees are empowered to hold and administer the property of the College, to direct its policy, to elect its President and Faculty, and to confer degrees, "provided that the primary degrees shall not be conferred on any student who shall not have passed through a course of studies equivalent to, and as thorough as, that prescribed by the Regents of the University of Michigan."

Women were granted equal privileges with men, so that Kalamazoo was one of the first co-educational colleges of America. In 1859, a seminary for young women, organized and developed by Mrs. J. A. B. Stone, wife of the President of the College, was combined with the College. The original policy of having a theological seminary in connection with the College was early abandoned.

In 1835, the citizens of Kalamazoo, contributed the sum of $2,500 to this institution, and a tract of land in what is now the heart of the residence section of the city. Temporary buildings were erected in 1836. This land was sold, and the men's dormitory was erected in 1848-50, on the present grounds of the College, in the western part of the city. The Baptists of the State, who had been from the first the principal supporters of the College, raised the necessary funds. Kalamazoo Hall was built in 1857 by citizens of Kalamazoo. Ladies' Hall, the women's dormitory and refectory, was built by the Ladies' Hall Association of the state and transferred to the College in 1887. Bowen Hall,
named in recognition of the valued personal services and the great liberality of the late C. C. Bowen of Detroit, was dedicated in 1902. The Gymnasium was erected and the Men's Dormitory remodeled in 1911.

The Men's Dormitory was partially destroyed by fire March 17th, 1916. It was immediately rebuilt as a three-story building, and was furnished and ready for use in July, 1916.

The Principals of the Institute were Nathaniel Marsh, 1835; Walter Clark, 1835-36; Nathaniel A. Balch, 1836-1838; David Allen, 1838-1840; William Dutton, 1840-1843; and J. A. B. Stone, 1843-1855.

The following men have served as Presidents of Kalamazoo College:

John M. Gregory, LL. D., 1864-1867.
Monson A. Wilcox, D. D., 1887-1891.
Theodore Nelson, LL. D., 1891-1892.
Arthur Gaylord Slocum, LL. D., 1892-1912.
Herbert L. Stetson, D. D., LL. D.,
Dean and Acting President, 1911-1913.
President, 1913.
BOARD OF TRUSTEES

Class I Term Expires in 1919.

N. Bates Ackley ............................................. Detroit
Wooster W. Beman ............................................. Ann Arbor
Jesse B. Davis .................................................. Grand Rapids
Frank W. Hubbard .......................................... Detroit
Frank D. Haskell .............................................. Kalamazoo
Thomas T. Leete, Jr. ...................................... Detroit
George T. Moody .............................................. Detroit
Martin H. Quick ................................................ Manistique
L. A. Sharp .................................................... Alma
Mary H. Shillito .............................................. Kalamazoo
A. W. Wishart ................................................ Grand Rapids
Edgar R. Young .............................................. Jackson

Class II Term Expires in 1920.

Claude M. Harmon ............................................. Detroit
Wesley Dunn ................................................... Kingsley
William H. Gay ................................................ Grand Rapids
Frederick M. Hodge .......................................... Kalamazoo
H. Clair Jackson .............................................. Lansing
Isabella Bennett Kurtz ..................................... Chicago, Ill.
Raymond S. McCurdy ........................................ Grand Rapids
*Reuben F. Manning ......................................... Chicago, Ill.
Edward Van Husan ........................................... Detroit
L. H. Stewart ................................................ Kalamazoo
Smith G. Young ................................................ Lansing

Class III Term Expires in 1921.

Jesse S. Boyden ............................................... Kalamazoo
F. Howell Colman .............................................. Kalamazoo
Enos Anson De Waters ..................................... Flint
Frederick W. Hatch .......................................... Lansing
John W. Hoag .................................................. Detroit
Harry C. Howard .............................................. Kalamazoo
Claude W. Oakley ............................................ Kalamazoo
R. E. Olds ..................................................... Lansing
Walter W. Smith ............................................... Detroit
F. R. Olmsted .................................................. Kalamazoo
E. L. Ypale ..................................................... Kalamazoo
*Mary E. D. Trowbridge .................................... New York, N. Y.

*Deceased.
OFFICERS OF THE BOARD.

R. E. Olds .............................................................. Chairman
Frederick M. Hodge ............................................. Vice-Chairman
Claude W. Oakley ................................................ Secretary
N. Bates Ackley .................................................... Treasurer
Walter W. Smith .................................................... Auditor
Harry C. Howard ................................................... Attorney
H. H. Severn .......................................................... Steward

STANDING COMMITTEES OF THE BOARD.

Executive Committee.

H. Clair Jackson
C. W. Oakley
Frank D. Haskell
Harry C. Howard
Frederick M. Hodge
F. R. Olmsted
F. H. Colman

Finance Committee.

Thomas T. Leete, Jr.
Frank W. Hubbard
George T. Moody
N. Bates Ackley
Walter W. Smith
Edward Van Husan

Committee on Buildings and Grounds.

L. H. Stewart
H. L. Stetson
W. E. Praeger
E. L. Yapel
Mary H. Shillito
G. M. Hudson

Examining Committee.

J. R. Effinger, Ann Arbor
S. O. Hartwell,
Minneapolis, Minn.
E. A. De Waters, Flint

Ladies Hall Committee.

C. W. Oakley
Mrs. Howard G. Colman
Mrs. H. C. Jackson
Mrs. Archibald Wheaton
Mrs. Mary Shillito
H. C. Jackson
KALAMAZOO COLLEGE

Library Committee.
Mrs. Mary Shillito F. D. Haskell
E. L. Yaple

Student Aid Committee.
H. L. Stetson F. W. Hatch
Jesse E. Boyden

Faculty Committee.
H. L. Stetson W. W. Beman
Mrs. Shillito F. M. Hodge
J. B. Davis Frank D. Haskell
THE FACULTY

HERBERT LEE STETSON, D. D., LL. D.,
President.
Professor of Education.
1209 Jefferson Avenue.
Telephone, Residence, 1531-R, College, 1341.

CLARKE BENEDICT WILLIAMS, A. M.,
Dean and Olney Professor of Mathematics.
214 Stuart Avenue. Telephone 908.

*ELIAS JOHN MACEWAN, Litt. D.,
Professor of the English Language and Literature.
314 Elm Street. Telephone 942-R.

WILLIAM EMILIOUS PRAEGER, M. S.,
Professor of Biology.
421 Douglas Avenue. Telephone, 1867-J.

MARK BAILEY, A. M.,
Willard Professor of Latin.
1553 Grand Avenue. Telephone, 1672-R.

JUSTIN HOMER BACON, A. M.,
Professor of French.
1618 Grove Avenue. Telephone 2855-J.

*Deceased.
*ERNEST ALANSON BALCH, Ph. D.,
Professor of History.
1339 Maple Street. Telephone 3003-J.

LEMUEL FISH SMITH, M. S.,
Professor of Chemistry.
1610 Grand Avenue. Telephone, 769-R.

HERMON HARRISON SEVERN, A. B.,
Professor of Biblical Literature and Philosophy.
1415 Maple Street. Telephone, 3078-W.

JOSEPH HENRY FOTH, A. M.,
Professor of The Social Sciences.
416 Davis Street.

MARIE SEWARD KING, A. M.,
Assistant Professor of French and German.
503 South West Street. Telephone 2836-J.

LUCILE POWELL, A. M.,
Dean of Women. Assistant Professor of Greek,
Broadus Foundation.
Ladies' Hall. Telephone, 1364.

FIDELIA NICHOLS ABBOTT, A. M.,
Assistant Professor of English.
Physical Director for Women.
412 Douglas Avenue. Telephone, 762-J.

HELEN MARIE McHUGH, A. B.,
†Instructor in History.
726 West Ransom Street. Telephone, 1023-J.

*Leave of absence, war work in France.
†Ad Interim.
MARK LANE WORTH, M. S.,
Instructor in Physics.
425 Locust Street.

ANDREW LENDERINK, B. S.,
Instructor in Surveying and Descriptive Geometry.
632 Summer Street. Telephone, 970-W.

ELIZABETH STETSON FLEUGEL, A. B.,
*Instructor in English.
1209 Jefferson Avenue. Telephone, 1531-R.

RALPH HAYWARD YOUNG, B. S.,
Physical Director for Men.
523 West Main Street. Telephone 880.

OTHER OFFICERS.

JUSTIN HOMER BACON, A. M.,
Registrar, Secretary of the Faculty.

BERTHA STEVENS BALCH,
Acting Librarian.

HERMON HARRISON SEVERN, A. B.,
Steward.

EMILY MARY HARRIGAN,
Secretary to the President.

*Ad Interim.
FACULTY COMMITTEES

The President is ex-officio a member of all committees.

I. Entrance and Advanced Credits.
   Professors Bacon, Severn, Foth.

II. Attendance.
   The Deans.

III. Recommendation of Teachers.
   The President and the Registrar.

IV. Bulletin and Curriculum.
   Professors C. B. Williams, Bacon, Abbott.

V. New Students.
   Professors Bailey, Foth, Powell, Smith.

VI. Social Affairs.
   Professors Praeger, King, Powell.

VII. Student Organizations.
1. Christian Associations.
   Professors Smith, Balch, Severn, King.

2. Literary Societies and Public Speaking.
   Professors Balch, Foth, King.

3. Athletics.
   Professor Bacon, Mr. Young, Mr. Worth.

   Professors Bailey, Powell, Mr. Worth.

5. Student Publications.
   Professors Smith, Severn, King.
TERMS OF ADMISSION

General Requirements

ANDIDATES for admission to the College are expected to present themselves at the President's office in Bowen Hall, September 15 or 16, 1919, for the first semester, and not later than Saturday, January 31, 1920, for the second semester. They must present satisfactory evidence of good moral character, including credentials from their last instructors, or from the institution in which they were prepared.

Students who finish their high school work in February can enter the College with profit at the beginning of the second semester, February 2, 1920.

Certificates and Examinations

Graduates of high schools approved by the Faculty are admitted to the College, on the presentation of satisfactory certificates* of work done, and of recommendations for admittance signed by the Principal of the school.

*Those who intend to enter the College, can obtain the proper blank forms for these certificates from the Registrar.
These certificates must be submitted to the standing committee on Entrance and Advanced Credits, and will be accepted only in so far as they give detailed statements of the extent and grade of preparatory work; and, without special faculty action, only when presented within one year and four months after the time of graduation. A statement of entrance requirements will be found on pages 18-22.

The list of approved schools includes all schools approved by the University of Michigan, all schools affiliated or co-operating with the University of Chicago, and certain other schools.

Those who do not present entrance certificates may take the entrance examinations in Bowen Hall September 15 and 16, 1919.

New students receive a written statement of the entrance credit tentatively allowed. If they do not keep up their college work some part of their credit may be taken away. No further adjustment of entrance credit will be made after the Freshman year.

Freshman Entrance Requirements

Students applying for entrance to Kalamazoo College must present by certificate from approved schools or by examination 15 units of entrance credit. A unit is defined as a course of study pursued through one school year of not less than 35 weeks with five prepared class exercises a week. Two to three hours of laboratory, drawing or shop work will be counted as
equivalent to one recitation. In general, continuous work extending through three or four years in one subject is more valuable than an equivalent amount in several subjects.

The entrance work must include three units in English and three units in at least one other subject. The only three unit subjects are English, a foreign language, History, Mathematics, and the Sciences.

The following work is required of all:
English, 3 units.
Foreign Language, 2 units.
Algebra, 1 unit.
Geometry, 1 unit.
Science, 1 unit.
History, 1 unit.

At least 13 of the 15 units offered must be chosen from the following group:

English Composition and Literature, 3 or 4 units.
Greek, 2 or 3 units.
Latin, 2, 3 or 4 units.
French, 2, 3 or 4 units.
German, 2, 3 or 4 units.
Spanish, 2 units.
History, including civics, 1, 2, 3 or 4 units.
Algebra, 1, 1½ or 2 units.
Geometry, 1 or 1½ units.
Trigonometry, ½ unit.
Physics, 1 unit.
Chemistry, 1 unit.
Botany, 1 or \( \frac{1}{2} \) units.
Zoology, 1 or \( \frac{1}{2} \) units.
Physiology, \( \frac{1}{2} \) or 1 unit.
Geology, 1 or \( \frac{1}{2} \) unit.
Physiography, 1 or \( \frac{1}{2} \) unit.
Astronomy, \( \frac{1}{2} \) unit.
Commercial Geography and Commercial Law, 1 unit.

Two units not included in this group may be offered if accepted by the high school for graduation, if they are recommended by the high school as good college preparatory work, and if approved by the College committee on credits.

Not more than four units of science in all may be offered. In order that a half unit of science may be accepted, it must be followed by a second half unit of science.

No applicant will be accepted who presents less than fifteen units.

All students are advised to present four units of Latin and two units of a second foreign language. Students who expect to enter professional schools (Theology, Law, or Medicine) should certainly present at least two units of Latin. Students who expect later to take work in science or engineering should present at least three units of Mathematics.

Students who have been unable to secure the required minimum preparation in foreign language, but whose preparation is otherwise satisfactory, will be tentatively admitted to College classes as unclassified
students and given an opportunity at the same time to make up this work.

Persons whose preparatory courses have been interrupted by reason of military service or other approved war work, may, during 1919, be admitted on trial upon the presentation of eleven units (at least nine of which shall be from the list printed above), gained either upon examination or upon official certification and recommendation by the Principal of an approved high school. Such students must completely satisfy the requirements for admission as regular students within two years after matriculation.
FRESHMAN ENTRANCE SUBJECTS

English

Three units are required and one unit in addition to these will be accepted. This work should consist of English Composition, Rhetoric, and the study and reading of English classics. All three should be distributed through at least three years in order to secure gradual development. Both the works studied and the works read are those recommended by the Committee on High Schools and Colleges.

It is recommended that one unit in the History of English Literature be offered.

French

Two, three, or four units of French may be offered. One unit will be accepted in 1919, if the student elects French during the Freshman year. Students offering two units should have acquired an intelligent and fairly accurate pronunciation, should be able to understand simple spoken French and to write from dictation sentences containing familiar words, and expressions, and should have read, under such guidance as to insure their attention to details and peculiarities of meaning, from 250 to 400 pages of standard French prose. They should also be able to translate easy English prose into idiomatic French.
TERMS OF ADMISSION

If three units are offered, the student should have read in addition to the above at least 600 pages selected from the works of standard authors of the nineteenth century and should have acquired considerable facility either in writing paraphrases in French of what he has read or in translating from English to French moderately difficult prose.

If four units are offered the work of the last year should have included in addition to the above considerable training in intelligent reading aloud of French texts, a study of the more intricate points in French syntax, and the reading of from 800 to 1,000 pages of French literature with some thoughtful study of the lives and purposes of the authors.

German

Two, three, or four units of German may be offered. One unit will be accepted in 1919. The units should be made up somewhat as follows:

Two Units. Students offering two units should be familiar with the fundamentals of German grammar, should be able to pronounce German correctly and should have read about 300 or 350 pages of standard modern prose. They should be able to understand simple sentences spoken in German and to formulate answers to questions having to do with what they have read. They should also be able to translate easy English prose into German.
Three Units. In addition to the above, students offering three units should have read some 250 pages of prose fiction, or history, at least two classics from the works of Schiller, Lessing, and Goethe and should have developed the power to translate ordinary English prose into German and should have a good knowledge of syntax.

Four Units. In addition to the above, students offering four units should have read five standard dramas selected from the works of Lessing, Schiller, Goethe, Heinrich von Kleist, Grillparzer, and Hebbel; and should have written several essays of considerable length on the work read.

Greek

All students who intend to study the ancient languages, are strongly advised to offer two or three units of Greek; one unit only will not be accepted. If two units are offered, they should be made up as follows:

First lessons, and grammar, including a careful study of forms, vocabulary, and ordinary principles of syntax; Greek prose composition; Anabasis, at least three books; Homer, at least two books, including a study of epic forms and of prosody.

If a third unit is offered, it should include additional work in Xenophon and Homer, and in prose composition.

The study of Greek can be taken up from the begin-
TERMS OF ADMISSION

ning in regular college classes. See Greek Department.

Latin

All students are advised to offer four units of Latin.

If Latin is offered, not less than two units will be accepted. They may be made up as follows:

I. First Latin book, with thorough drill on inflection and the important rules of syntax.

II. Caesar's Gallic War, four books, with practice in Latin prose composition and syntax.

III. Cicero, the four orations, against Catiline, For the Manilian Law and For Archias, with Latin prose composition.

IV. Vergil's Æneid, I-IV, with practice in scansion and hexameter verse.

In conformity with the Report of the Commission on College Entrance Requirements in Latin, the four units given above indicate the minimum amount of Latin reading required. All candidates presenting four units must offer the following: Cicero, orations For Manilian Law and for Archias, and Vergil, Æneid I, II and either IV, or VI at the option of the candidate, with knowledge of subject matter, literary and historical allusions, and prosody.
For the remaining amount, equivalents may be selected, however, from Caesar’s Civil War and Nepos (Lives); Cicero (various orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Æneid) and Ovid (Metamorphoses, Fasti and Tristia). Candidates should be qualified to translate at sight both prose and verse.

Grammar and composition should include thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read, with ability to use this knowledge in writing simple Latin prose.

Spanish

Two, three, or four units may be offered. Those offering two units must have acquired facility in the use of simple Spanish, a correct pronunciation, the ability to take easy dictation, to translate easy prose, and to turn simple English sentences into Spanish. They should have a knowledge of the essentials of Spanish inflection and syntax. Reading should have covered about 250 pages of Spanish prose.

Those offering three units should be able to read ordinary Spanish prose rapidly at sight, showing a clear comprehension of the distinctions of tense and mode and the points of syntax, and to give in simple connected Spanish the substance of a narrative. They should have read about 500 pages in addition to the amount given above for two units.
Those offering four units should have the ability to read with facility any Spanish of ordinary difficulties of vocabulary and syntax, and to translate into Spanish a simple passage of English and to converse with fair ease in Spanish on a familiar subject. They should have read about 500 pages, in addition to the amount offered for three units, and possess a firm and practical grasp of the language.

**History**

One unit is required. Not more than four will be accepted. It is suggested that, if only one unit is offered, it be, if possible, in Ancient History, or one-half unit each of Greek and Roman History, as this will make the best foundation for college work. Additional units may be chosen from the following courses or their equivalents:—(1) European History, Mediaeval and Modern; (2) English History; (3) One-half unit in English History and one-half in American History; (4) One-half unit in American History and one-half in Civics; (5) American History, or (6) General History. If the student offers course 1, he will be able to elect a more advanced course in his Freshman year.

**Mathematics**

One unit of Algebra and one unit of Geometry are required of all.
If the study of Mathematics is to be continued in College, at least two and one-half units, including Geometry, and Algebra through quadratic equations as described below, must be offered and accepted and a thorough review of Algebra and Geometry should be made within six months preceding the time of entrance.

**Algebra**, through quadratics, including factoring, the solution of simple and quadratic equations, the use of fractional indices and radicals. One and one-half or two units.

**Geometry**, plane or plane and solid. Considerable attention should be given to so-called original problems and theorems. One or one and one-half units.

**Advanced Algebra.** One-half unit. This course should include the theory of quadratic equations, the progressions, logarithms, binominal theorem, elementary permutations and combinations, determinants of the third order, and selected topics from the elementary theory of equations.

**Plane Trigonometry.** One-half unit.

**Physics**

One unit will be accepted. One-half of the year's work should be in the laboratory, and note-book should be prepared.
TERMS OF ADMISSION

Chemistry

One unit will be accepted. A continuous year of work in General Chemistry, where one-half of time is given to individual laboratory work, will meet the requirement. A laboratory note-book should be prepared.

Biology

In all subjects in this department submitted for entrance where laboratory work forms part of the course, the note-book and drawing should be prepared.

Botany. An acquaintance is required with the general structure of plants, their principal organs and functions, derived chiefly from a study of the objects. Emphasis should not be laid on skill in making herbaria, but a knowledge of the plant as a living organism should dominate the course.

Zoology. Several types of animals should be studied but rather as an interpretation of functions than from a purely morphological standpoint. It is not necessary that dissections should be made in all cases; a study of external form in relation to their life histories and adaptations is most desirable. Field work and local knowledge are recommended.
Physiology. The anatomy and physiology of the human body with special reference to the relation of structure and function. Hygiene should be emphasized throughout the course. Where a whole year’s work is offered, it should include practical laboratory work.

Physiography. The character of the work required may be seen by referring to such texts as Davis, Dryer, or Gilbert and Brigham. Laboratory and field work should form part of the course and local conditions should be studied.

An equivalent course in Geology will be accepted.

Special Students

In general students desiring to pursue special courses of study must be prepared to enter the regular course. Under exceptional circumstances the Faculty may grant permission to take up special work without regular preparation for college entrance, but in such case the student must be of suitable age, and must present satisfactory evidence of his ability to do this special work. If such a student afterward desires to become a candidate for a degree, he must comply with the regular college entrance requirements. This must be done before the student begins the work of the Senior year.

Admission to Advanced Standing.

Students who desire credit for work done elsewhere must file written application for the adjust-
ment of the credits with the Committee on Entrance and Advanced Credits. This application and detailed evidence of the work on which credit is desired must be placed in the hands of the committee during the first semester of residence.

**Students From Other Colleges.**

Students coming from other colleges must present certificates of honorable dismissal. No candidate for the Bachelor's degree may enter later than the beginning of the Senior year.

**Students from Normal Schools**

Graduates of the Michigan Normal Schools in the Life Certificate Course, who enter these schools with preparation which would admit them to the College Freshman Class, will be given fifty-six hours of credit. All subjects required in the College must be taken here if not included in the work taken at the Normal Schools.

**Other Students**

Other candidates for advanced standing must comply with the regular entrance requirements and must pass satisfactory examinations in all subjects for which college credit is desired.
COURSE OF STUDY

The regular course of studies consists of 120 semester hours of required and elective work chosen in accordance with the regulations stated in the following paragraphs:

(See Degrees, page 70.)

A semester-hour or hour is defined as a subject of study pursued through one semester of eighteen weeks with one prepared class exercise a week. Two or three hours of laboratory work are equivalent to one prepared class exercise.

Required Work.

There are two kinds of required work. The first kind consists of a few definitely required courses, six hours in all. The second kind consists of fixed amounts of certain kinds of work such as foreign languages, and history or the social sciences, but the student has considerable option, depending in part on his preparation, as to subjects and courses.

Required Courses.

Freshmen are required to take Rhetoric 1 and 2, including Public Speaking.

Freshmen and Sophomores are required to take regular class work in the gymnasium.

Students, who have credit for Rhetoric 1 and 2, but whose command of English does not satisfy the Faculty, may be required to continue this work, with-
out further credit, until their work is satisfactory to
the Faculty.

**Work Required, With Options**

Each candidate for the Bachelor's degree is re-
quired to complete in College two years' work, amount-
ing to at least fourteen hours, in foreign languages,
but if less than four units of foreign language work
has been offered and accepted for entrance, he is re-
quired to complete in college three years' work of this
kind, amounting to at least twenty hours and including
at least one second-year course.

Before graduation each student must acquire, either
in high school or college, a usable familiarity with
either French, German, or Spanish.

Each candidate for the Bachelor's degree is re-
quired to complete in College one year's work in His-
tory or in the Social Sciences, but all are advised to
take, in high school or college, courses in American
History and in either English History or general
European History, and to gain some knowledge of
Ancient History. This work amounts to at least six
hours.

All are required to complete in College one year,
amounting to at least eight hours, of laboratory
science.

The required year's work in History or the Social
Sciences and that in Science must be completed before
the beginning of the Senior year.
Elective Studies

All courses, excepting those mentioned above are elective, subject to the rules for registration (see page 61) and to the following regulations:

1. Freshmen must make their elections in accordance with the Freshman Schedule.

2. Each student before graduation must complete one major and two minors, one of which should be rather closely related to the major and the other decidedly different.

A major consists of at least twenty hours of work in one department distributed through at least six semesters.

A minor consists of at least fourteen hours of work in one department, distributed through at least four semesters.

Major or minor work may be done in any department offering sufficient work and in certain approved combinations of departments.

After consultation with the President, each student must, before the end of the Sophomore year, select the departments in which major and minor work is to be done. This choice may be altered later for good reasons, provided that one major and two approved minors be completed before graduation.
Freshman Schedule

Required of all:

Gymnasium, see page 55.

Rhetoric and Public Speaking, 3 hours, each semester.

Choose one each from 1, 2, and 3.

1. A foreign language, 4 hours each semester. This must be a continuation of the language offered for entrance, excepting the case in which two units only of Latin are offered.

2. Mathematics, 4 hours, or a Laboratory Science 4 hours, each semester.

3. A third elective from the following:
   Latin, 1, 2 or 3, 4, or 5, 6; Greek, 1, 2, or 5, 6;
   French, 1, 2, or 3, 4; German, 1, 2, or 3, 4.
   Spanish, 1, 2, or 3, 4.
   Biology, 1, 2; Chemistry, 1, 2.
   Mathematics, 1, 2;
   History, 1, 2, or 3, 4;
   Biblical Literature, 1, 2.
BIBLICAL LITERATURE.

PROFESSOR SEVERN.

1. History of the Bible. A study of biblical literary methods and materials; early circulation, collection, and translation; the manuscripts and processes of establishing the text; and the English Bible from the earliest times to the present. Three hours. First semester, M., W., F, at 8:00.


4. The Life of Christ. Historical and constructive study of the life of Jesus; free from controverted theological questions, this course is practical in its aim and sufficiently comprehensive to constitute a basis for further detailed study of the person and character of Christ. Not open to Freshmen. Three hours. Second semester, M., W., F. at 11:20.

5. History and Literature of Judaism. A survey of the Persian, Greek and Maccabean periods, with the latter biblical literature and representative selections from the extra-biblical writings of the period. Not open to Freshmen. Three hours. First semester. M., W., F. at 11:20.

6. The Social Teachings of Jesus. A study of the social teachings of Jesus and their application to present-
Courses 3 and 4 will be given in alternate years with 5 and 6. In 1919-20 courses 5 and 6 are offered.


8. Christian Missions. Inspirational and biographical as well as geographical, the course is planned to afford the student opportunity for an elementary survey of the leading religions of the Orient, for some consideration of the problems of modern missions, and for acquaintance with the achievements of modern Christianity in the East. Open to Juniors and Seniors. Three hours. Second semester, T., Th., S. at 11:20. Offered in alternate years. Not given in 1918-19.

9. The Bible as Literature. A course in the literary study of the masterpieces of the Bible and their influence in English literature. Not open to Freshmen. Two hours. First semester. Hours to be arranged.

BIOLOGY

PROFESSOR PRAEGER.

Special courses may be arranged for advanced students taking their major in Biology.

1, 2. General Biology. As this is a beginning course with many students much attention is given to general biological problems. Representative plants and animals are studied in the laboratory. Four hours through the year. Lectures 8:00 T., S. Laboratory any two consecutive hours M., F.
3. Plant Morphology. The plant cell. The morphology of the Thallophytes and Bryophytes. Four hours. First semester. Prerequisite, course 2 or a year of approved high school biology. Hours to be arranged. Given in 1917-18.


5. Plant Histology. Laboratory technic and preparing plant tissues for microscopic work. Cytology. Four hours. First semester. Prerequisite, course 4. Six laboratory hours per week to be arranged. Given in 1918-19.

6. Special Zoology. In this course some group of animals will be taken up for a more detailed study than is possible in General Biology. Four hours. Second semester. Prerequisite, course 2. Hours to be arranged. Given in 1918-19.

7. Theoretical Biology. A study of some of the more important problems of Biology. Special attention is given to the theory of evolution as applied to living things, the evidences from the past and present time, and the various hypotheses as to its method. Three hours. First semester. Prerequisite, a year of Biology. 11:20, T., Th., S.

8. Genetics. A study of the modern conceptions of heredity and the investigations on which they are based. Eugenics and social problems arising therefrom receive special attention. Three hours. Second semester. Prerequisite, a year of Biology. 11:20, T., Th., S.

10. Field Botany. A study of the habits and distribution of plants in relation to their environment. Meets only in the last half of the semester for field work. Designed to be taken with course 2 or 4. One hour. Second semester. Hours to be arranged.
CHEMISTRY

PROFESSOR SMITH

1, 2. General Inorganic Chemistry. Lectures, recitations, and laboratory work. Four hours through the year. 1:30, M., T., Th., F.*

3, 4. Qualitative Chemistry. Lectures, recitations, and laboratory work. Three hours through the year. Prerequisite, courses 1 and 2. 10:20 W.*

5, 6. Organic Chemistry. Lectures, recitations and laboratory work. Four hours through the year. Prerequisites, courses 1 and 2. 9:00 W., S.*

7, 8. Qualitative Analysis. This course is almost entirely laboratory work. About one-fourth of the time will be given to the discussion of chemical phenomena. Three hours through the year. Prerequisites, courses 1, 2, 3, and 4. The course may be taken in connection with courses 3 and 4. Hours to be arranged.

9. Advanced Qualitative Analysis. Two hours one semester.

10. Advanced Quantitative Analysis. Two hours one semester.

When students have completed these courses (1-8) in Chemistry, the department offers a number of elective courses. Laboratory work may be had in Molecular Weight Determination, Milk Analysis, Sugar Analysis, Fuel Analysis, Steel Analysis, Water Analysis, Gas Analysis and in other chemical subjects that may be of special interest to the students.

*Other hours to be arranged.
ECONOMICS, SOCIOLOGY, POLITICAL SCIENCE

These courses have been selected with special reference to business organization and administration.
Economics 1 is a prerequisite to all other courses in the department except courses 3 and 4.

1. Principles of Economics: A treatment of the fundamental principles of economic science including taxation, tariff, monopolies, railroad problems, etc. First semester. Three hours. 11:20 M., W., F.

2. Money and Banking. A study of the monetary system of the United States, and the principles and practice of banking, including the Canadian and European banking systems; credit instruments and laws relating to them. Second semester. Three hours. 11:20 M., W., F.

3. Practical Social Problems: Application of sociological principles to the solution of current problems. The subjects investigated are: poverty, its cause and prevention; crime, its causes and prevention; housing reform; care of the blind, deaf, insane; playground movement. First semester. Three hours. 8:00 T., Th., S.

4. Labor Problems: A study of the existing conditions and problems of labor—the standard of living of the wage earners, hours of labor, unemployment, legal protection. Trade unions, arbitration, strikes and lockouts, cooperation, profit-sharing, will be treated from the point of view of the public, the employer, and the laborer. Second semester. Three hours. 8:00 T., Th., S.

5. 6. Principles of Accounting: An analysis of business papers and documents, and of business facts and
methods. A study of accounts and transactions involving partnerships and corporations; preparation and analysis of financial statements and reports; special problems. Three hours through the year. 10:20 M., W., F.

7, 8. Foreign Trade: An examination of the methods employed in import and export trade. Detailed study of various foreign markets—Europe, the Far East, and Central and South America. Special emphasis will be placed on South America, its resources, credit condition, racial characteristics and business methods. Three hours through the year. 8:00 M., W., F.


10. Comparative Municipal Government: The chief emphasis will be placed on the comparative study of modern city governments, American and European. Commission form of government, administration of public works, and finances. Second semester. Three hours. 8:00 M., W., F. (Not offered in 1919-20.)

EDUCATION

THE PRESIDENT.

1. General Psychology: A critical inquiry into the processes involved in the development of the self and in the acquisition of knowledge; the work is both analytic and synthetic. The course will involve also a critical examination of the necessary principles and forms of thought, but the practical application of Logic is left to the departments of Rhetoric and Public Speaking. Four hours. First semester. 2:30, M., T., Th., F.
2. Educational Psychology: A study of the processes involved in the acquisition of knowledge, and of the several periods into which early life is divided, with special reference to the formation of a working theory of systematic instruction. Must be preceded by General Psychology. Juniors. Second semester. Four hours. 2:30 M., T., Th., F.

3. History of Education: The historical unfolding of educational ideals and methods and results with consideration of current educational doctrine, and practice. Seniors. First semester. Four hours. 9:00 M., T., Th., F.

4. School Methods and Management: An examination of methods of teaching as applied to specific subjects. Special practice in teaching. Study of school organization and discipline. Seniors. Second semester. Four hours. 9:00 M., T., Th., F.

5. Observation: Each candidate for the State Certificate is required to observe the work in public schools at least twenty-four hours and submit written reports on assigned subjects.

ENGLISH

ENGLISH AND AMERICAN LITERATURE.

PROFESSORS MAC EWAN, MRS. FLEUGEL.

1. English Literature. General view. Text-book and Lectures: The nature of literature; the nature and elements of poetry; the great periods of English literature. Study of masterpieces. Papers, discussions, and criticisms. Three hours. First semester. A prerequisite to all other courses in English Literature. Prerequisite, Rhetoric, courses 1, 2, or Equivalent. Two sections. 8:00 T., Th., S.; 11:20 T. Th., S.
2. American Literature. The history of literature in America is traced with the help of a text-book. Special topics are assigned for investigation. Reading and discussing the works of the more important authors is the chief business of the class room. The aim of the course is to give a correct idea of the rise and development of the literature and of the literary spirit in America, and to study with considerable care some productions of the chief American writers. Three hours. Given second semester in alternate years with 4. Offered in 1917-18. Two sections. Hours as for course 1.


5. Elizabethan Drama, with special attention to Shakespeare's plays. Origin, growth, and technique of the English Drama. First semester. Three hours. Juniors and Seniors. (Offered in 1918-19). 8:00 M., W., F.


7. Nineteenth Century Poetry, with special attention to the works of Tennyson. First semester. Three hours. Juniors and Seniors. (Offered in 1917-18). 8:00 M., W., F.

8. The Poetry of Robert Browning, and some other Nineteenth Century poets. Second semester. Three hours. Juniors and Seniors. (Offered in 1917-18). 8:00 M., W., F.
9, 10. **Chaucer:** A careful reading of the most important of Chaucer's works; study of Middle English grammar with some attention to the development of Modern English. Two hours through the year. 11:20 M., F.

11. **English Prose, Structure and Style:** Literary and structural analysis of essays selected from the work of De Quincey, Macaulay, Newman, M. Arnold, and Stevenson. First semester. Three hours. Prerequisite, Literature 1, and 2 or 4. 1:30, M., T., F.

12. **Contemporary Literature. The Modern Novel and Short Story.** Prerequisite, same as for course 11. Three hours. 1:30, M., T., F.

**RHETORIC.**

**ASSISTANT PROFESSORS ABBOTT AND POWELL, MRS. FLEUGEL.**

1, 2. **Rhetoric and English Composition:** Recitations on themes, conferences. The aim is correctness in expression; the means, constant drill in the structure of the sentence, the paragraph, and the entire composition, and the criticism of common errors. That the work may be practical, students present once or twice a week written work which is made the basis of class study. The elementary principles of the four forms of discourse are studied and put into practice. The course is designed to give the student such training as he needs, in expression and organization of thought in order to deal satisfactorily with the material of the other departments of study. Three hours through the year. Three sections: 8:00, M., W., F.; 8:00, T., Th., S.; and 2:30, T., Th., F.

3. **Advanced Rhetoric and Composition:** Rhetorical analysis of the various prose forms; writing themes; reading and analyzing of various masterpieces. Class discussions. First semester. Three hours. 1:30, M., T., F.
4. **Forms of Address**: Letters, reports, editorials, news-stories and speeches. A study of the different forms as listed above and practical work of each. Second semester. Three hours. 1:30, M., T., F.

5. **Newspaper Writing**: A study of the elements of news writing and style form the basis of the work. Proper attention is given to writing leads, structure of news stories, reporting and gathering of news, interviewing, reporting speeches, and other forms of elementary journalism. First semester. Two hours. Prerequisite, Rhetoric 1 and 2. 11:20, W., F.

6. **Magazine Writing**: Articles in current magazine are studied as models for short and long themes on timely subjects. This course is offered as an aid to more intelligent magazine reading and to stimulate an interest in the best current literature. Second semester. Two hours. Prerequisite, Rhetoric 1 and 2. 11:20, W. F.

**PUBLIC SPEAKING.**

**ASSISTANT PROFESSORS ABBOTT AND POWELL, MRS. FLEUGEL.**

1, 2. **Elementary Public Speaking**: Principles of Elocution, voice culture, action and bearing on the platform, gestures. Declamation and original speeches before the class. One hour, in connection with Rhetoric, 1 and 2, throughout the year. Required of all Freshmen.

3. **Public Speaking**: The aim is to give a concise presentation of the general principles underlying the theory of Public Speaking; to read several of the famous orations; and to analyze and outline them. Each student will present a number of speeches before the class. First semester. Two hours. 9:00, W., S. Prerequisite Rhetoric 1 and 2.
4. Argumentation and Debating: The study of the principles of Argumentation. The purpose is to give a knowledge of argumentation and debate. The work will be both written and oral. Second semester. Two hours. 9:00, W., S.

5. Debating: Those who expect to enter the contest for a place on the intercollegiate debating teams, will meet one hour a week, time to be arranged. The work will consist of the analysis of the subject for the intercollegiate debate, and the collection, analysis and discussion of material for debate and the making of briefs.

**FRENCH**

**PROFESSORS BACON AND KING.**

Courses 1 and 2 should be taken during the Freshman or Sophomore years. They do not count toward a major in French.

1, 2. **Elementary Course:** Grammar, pronunciation, dictation, practice in reading and writing; reading of stories and plays. Equivalent of Elementary French for entrance Four hours through the year. 9:00, M., T., Th., F. 10:20, T., W., Th., S. 2:30, M., T., Th., F.

3, 4. **Intermediate Course in Standard Authors:** Rapid reading from the work of representative authors mainly of the nineteenth century. Composition and grammar. Four hours, through the year. Prerequisite, French 1, 2 or equivalent. 9:00, M., T., Th., F. 1:30, M., T, Th, F.

5, 6. **Survey of French Literature:** Lectures and assigned readings on the history of French literature from the earliest times. Reading of an anthology and of several complete novels or dramas. Three hours through the year. Prerequisite, French 3, 4. 10:20, T., Th., S.
7, 8. The Nineteenth Century. Lectures and assigned reading on the chief phases of French literature during the last century. Summaries in French of texts assigned for outside reading. Study of selected authors in the class. Three hours through the year. Prerequisite course 4. (Given in 1918-19). 1:30, M., T., F.

9, 10. French Prose. 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 course 4 or equivalent. Two hours through the year. 10:20, M., W.

11, 12. Advanced Composition and Conversation. Open to students who have credit for courses 9 and 10. Especially intended for prospective teachers of French. Some time will be devoted to the examination of various school text-books and to the most important problems in connection with the teaching of high school French. Two hours through the year. 1:30, T., F.

13, 14. The Seventeenth Century. A study of the main aspects of this important period in French life and letters. Lectures, assigned readings, reports, and summaries in French. Sight reading a prominent feature. Two hours through the year. Prerequisite courses 7 and 8. 1:30, M., Th.

15, 16. Drama and Lyric Poetry. The development of French drama from Corneille to Rostand will be studied. Some time will also be devoted to the lyric poets of the nineteenth century. Two hours through the year. (Not offered in 1919-20.)
GERMAN

ASSISTANT PROFESSOR KING.

Courses 1 and 2 should be taken during the Freshman or Sophomore years. They do not count toward a major in German.

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 through the year. 8:00, M., W., Th., F.

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 through the year. Elective for students who have credit for German 1, 2, and for those who present two or three units of German for entrance. 3:30, M., T., Th., F.

5, 6. Modern Drama: A study of representative plays by Kleist, Grillparzer, Hebbel, Sudermann and Hauptmann. Lectures and outside reading. Reports in German and English. Three hours through the year. Prerequisite German 4. Hours to be arranged.

7, 8. German Composition with review of grammatical principles, accompanied by selected reading dealing with German history, life and institutions. Intended especially for students who expect to teach German. Two hours through the year. Prerequisite, German 4.

GREEK

ASSISTANT PROFESSOR POWELL.

1, 2. Beginning Greek. Gleason's Greek Primer or equivalent. Careful study of forms and syntax. Reading
of selections from Greek authors. Five hours through the year. 9:00, M., T., W., Th., F.


4. Homer: Iliad or Odyssey. These will be studied in alternation. The Homeric question will be considered, Homeric life and the explorations bearing on the Homeric period studied. Four hours. Second semester.


9, 10. Greek Literature in English. The masterpieces are studied in the best English translations. No knowledge of the Greek language is required in this course. 1:30, T., Th.

HISTORY

PROFESSOR BALCH, MISS McHugh.

1, 2. The History of Europe from the Great Migrations to the Present. Open to all who have not had Mediaeval and Modern History in their preparatory work. The study of a text with library references, source study, notebooks and historical compositions. Three hours through the year. 11:20, M., W., F.
3, 4. Political and Social History of Modern Europe. Open to all who have had Mediaeval and Modern History in their preparatory work. The study of a text, library references, note-books, study of sources and historical composition. Three hours through the year. 11:20, T., Th., S.

5, 6. English History: Study of a text, library references, study of sources and historical composition. Three hours through the year. (Given in 1919-20.) 3:30, M., Th., F.

7, 8. American History: The study of the development of the American nation from the adoption of the Constitution. Study from syllabus, library references, study of sources and historical composition. Three hours through the year. 3:30, M., Th., F. (Given in 1918-19.)

9, 10. American History Seminar: For advanced students only. Juniors or Seniors who have had either courses 1 and 2, or 3 and 4. Some period of American history will be selected for critical and intensive study from the sources. The work will culminate in a historical narrative. One hour through the year. 10:20, F.

11, 12. French History Seminar. Prerequisite, either courses 1 and 2, or 3 and 4, and at least one year of College French. This course is intended for those who wish to do advanced work in history and at the same time to put into practical use their knowledge of the French language. Some period of French history will be selected for critical and intensive study from the sources. The work will culminate in a historical narrative. One hour through the year.

13. Greek History: No prescribed work required though it is desired that the student should have had one year's work in college history before electing it. The work will consist of a study of Greek history largely from the sources with reference also to a text and to the library.
14. The Period of the Reformation: A study of the religious, social, economic, intellectual and political conditions of Europe in the fourteenth and fifteenth centuries; the various movements for reform; the Lutheran, Zwinglian and Calvanistic revolts, and the progress of the reformation in the various countries of Europe. Lectures, textbook and library references. Prerequisite, at least one year of college history. Open to Juniors and Seniors. Two hours. Second semester. (Given in 1917.)

16. The History of the Great War: A study of the causes, historical background, immediate occasion and progress of the Great War. Study from syllabus, lectures, assigned readings, maps and papers. Two hours. Second semester. Offered in 1920.) 9:00, W., S.

17, 18. The Teaching of History: Offered only to Senior students who have had at least a minor in history and who expect to teach history. One hour through the year. 10:20, M.

20. Geographic Aspects of American History: A study of the determining influence of geographic factors in American development. Text, lectures, library references. Two hours per week. Spring term. 8:00 T., S. (Given in 1919.)

LATIN

PROFESSOR BAILEY.

(Courses 1 and 2 are not to be used in Latin major.)

1, 2. Caesar's Gallic War: Essentials of Latin grammar, with continuous drill on forms and constant exercises in Latin composition. Intensive study of declensions, con-
jugations and syntax. Four hours through the year.

3. Cicero's Orations: Six of his greatest oratorical masterpieces. Study of oratory among the Romans and the part it played in their public life. Open to those having taken courses 1 and 2, and to those presenting 2 units only of Latin for admission. Four hours. First semester.

4. Vergil's Aeneid: Books 1-6. Study of the traditions about the founding of Rome, the mythology of the Romans and the influence of it on their religion, and the epic metrical system. Open to those having taken course 3, and to those presenting 3 units only of Latin for admission. Four hours. Second semester.

5. Cicero, De Amicitia: Thorough review of the principles of Latin syntax and declensions. Tacitus, Agricola and Germania. Study of Britain's and Germany's ancient forms of government and civilization under Roman provincial policies, with an investigation of their influence on modern international problems. Prerequisite, course 4, or 4 units of Latin at admission. Four hours. First semester. 2:30, M., T., Th., F.


7. Roman Satire... Horace, Satires and Epistles. Study of the origin and development of satire among the Romans, and in its later history. The elements of its composition and its place in the world's literature. Papers by the students. Three hours. First semester.

9, 10. Roman Civilization. Study of the elements which constituted the civilization at Rome, wherein they agree with or differ from modern civilization. The domestic, industrial and civil conditions in ancient Rome. Lectures, supplemented by papers of the students. No knowledge of Latin required as a prerequisite for this course. Two hours throughout the year. 9:00, W., S.

11, 12. Teachers' Training Course in Latin: Review of the principles of Latin syntax, with a view to the most efficient methods of teaching them. (Not offered in 1919-20.)

MATHEMATICS

PROFESSOR WILLIAMS.

Courses 7-14 are arranged to meet the needs of each class and may be changed in order and subject matter from year to year. Two of these courses are offered each semester.

1. Freshman Mathematics: Trigonometry; a study of the trigonometric functions and of the solution of triangles with applications. Algebra and Analytic Geometry; equations of the first degree, determinants and the straight line. Four hours. First semester. Two sections: 9:00 M., T., Th., F. 10:15, T., W., Th., S.

2. Freshman Mathematics: Analytic Geometry and Algebra. Conic sections and quadratic equations; polynomials, numerical equations and higher plane curves; introduction to geometry of space. Four hours. Two sections as in Course 1.

3, 4. The Differential and Integral Calculus: Applications to geometry and to mechanics. Four hours each semester. Prerequisite, courses 1 and 2. 8:00. M., W., Th., F.
5, 6. Differential and Integral Calculus: To be taken with courses 3 and 4. One hour a week through the year. 8:00 T.

7, 8. Analytic Geometry: An advanced course. Two hours a week through the year. Prerequisite, course 2.

9, 10. Algebra and Theory of Equations. Two hours a week through the year. Prerequisite, course 2.

11, 12. Differential Equations: Two hours a week through the year. Prerequisite, course 4.

13, 14. Theoretical Mechanics: Two hours a week through the year. Prerequisite, course 4.

PHILOSOPHY

PROFESSOR SEVERN.

1. Introduction to Philosophy. A study of the nature of philosophy, its standpoint and methods, and its relation to natural science and religion; the various forms of reality and such fundamental problems as monism and pluralism, empiricism and rationalism, realism and idealism. Three hours. First semester. 8:00, T., Th., S.

2. History of Philosophy: A study of the systems of representative individual philosophers in the light of the influences which determined their thinking, with the emphasis upon the modern period. Three hours. Second semester. 8:00, T., Th., S.

4. Ethics: Critical study of the origin and development of the moral nature, the fundamental principles of ideal moral manhood, and the practical application of these principles to human life and conduct in the light of man's relation and accountability to his Creator. Three hours.
Second semester. Offered in alternate years. Given in 1918-19.) 11:20, T., Th., S.

6, 7. Apologetics: Such a study of Christianity as helps the students to understand the reasons for the belief that it is the true religion. Two hours through the Senior year. 9:00, W., S.

PHYSICAL EDUCATION

The object of the work of this department is to promote the general health and efficiency of the students.

All students living in College Dormitories are expected to take regular exercise in the gymnasium or out of doors under the direction of the Physical Directors.

MR. YOUNG, FOR YOUNG MEN.
MISS ABBOTT, FOR YOUNG WOMEN.

Graded Physical Training: The work for young men consists of a large variety of exercises and games conducted under the supervision of the physical director. The work for young women includes Swedish and German gymnastics, marching, aesthetic and folk dancing, apparatus work and games. The work for both is graded to meet the needs and abilities of the students. Required of all first and second year students. Regulations for attendance are the same as for other classes.

Before November 15 and after the spring recess the regular work may be done out of doors at the option of the instructors. M., Th. afternoons and W. evenings (games only) for young women. Hours for men to be arranged.
PHYSICS

MR. WORTH.

1, 2. College Physics: Lectures, recitations and laboratory work. Four hours throughout the year. Prerequisites, High School Physics, Trigonometry. 9:00, M., T., Th., S.

3, 4. Electrical Measurements: This consists of laboratory work, recitations, problems and discussions, and will involve a theoretical study and determination of electrical constants, as well as a study from the viewpoint of Physics, of the fundamental principles of electrolysis and their relation to electrical appliances such as storage batteries, rectifiers, etc. Lectures and laboratory work. Three hours through the year. Prerequisites, courses 1 and 2. 10:20, T. Th., S.

5, 6. Problems. Beginning course to be taken with or after courses 1 and 2. One hour a week through the year.

7. Theory of Heat. This is a theoretical course in which selected chapters from the subject of heat are discussed. Two hours, first semester. Prerequisites, courses 1 and 2.

8. Experimental Optics: Theoretical discussions and accurate measurements in diffraction, dispersion, interference, polarization and the determination of optical constants. Two hours, second semester. Prerequisites, courses 1 and 2.

9, 10. Sound and Other Oscillatory Phenomena. This course includes the fundamental phenomena of sound; differential equations of motion for systems having one and two degrees of freedom; characteristic phenomena of free, forced and damped vibrations; resonance; applications of Fourier’s series to specific cases; theory of electric oscillations, stationary electric waves, electrical resonance and tuning with special emphasis on relation to wireless telegraphy and tele-
phony. Two hours through the year. Prerequisites, courses 1 and 2, and Mathematics 3 and 4.

11, 12. Problems. Advanced course for those who wish to continue this phase of work beyond that offered in courses 3 and 4. To be taken with or after courses 3 and 4. One hour through the year.

13, 14. Theoretical Mechanics: (Offered in the Mathematics department as courses 13, 14, full credit being given to those who desire to apply them on the requirements for a major in Physics.) Two hours through the year.

15, 16. Seminary. In this course it is designed to make a thorough study of special topics to be selected. One hour through the year.

SPANISH

PROFESSOR BAILEY.

(Texts are subject to change.)

1, 2. Elementary Course: Grammar, composition, conversation, Reading in Lecturas Faciles, Morse's Spanish American Life; also in Alarcon, Caballero, and Spanish periodicals. Four hours through the year. 9:00, M., T., Th., F.

3, 4. Advanced Course: Reading from the works of Valdes, Galdos, Tellez, Alarcon, and other standard Spanish authors in drama, fiction, and poetry. One period a week given to Spanish Composition and Correspondence. Classroom work all in Spanish. Collateral reading. Reports from Spanish periodicals. Three hours through the year. 11:20, T., Th., S.

5, 6. Spanish Literature of the 19th Century: Study of the best Spanish authors in the novel and drama of this
period. Lectures on the history of Spanish literature, with papers by the students on assigned topics. Two hours through the year. 11:20, M., F.

SURVEYING AND DESCRIPTIVE GEOMETRY

MR. LENDERINK.

1. Surveying: Measurement of distances and of horizontal and vertical angles; determination of levels and contours; computation of distances, heights and areas; map reading. A preliminary course in the use of the level and transit, with regular field work each week. Four hours a week. Fall term. 1918.

STUDENTS' ARMY TRAINING CORPS UNIT

During the period, October 1, 1918, to December 21, 1918, the male students of the college who were able to pass the required physical examination were organized as a unit of the Students' Army Training Corps under the command of Lieutenant Ray G. Walter, and the following courses as outlined by the War Department were given: Accounting, Biology, Business Management, Chemistry, Economics, English, French, German, Mathematics, Military Law, Physics, Sanitation and Hygiene, Surveying, and War Issues.

A well equipped mess hall to accommodate one hundred-fifty men was erected just west of Bowen Hall, and the Dormitory and the Gymnasium were used as barracks.
GENERAL COLLEGE REGULATIONS

Public Worship.

Public worship, which all students, not expressly excused by the Deans, are required to attend, is held each morning in the College Chapel.

Each student is expected to choose some one of the churches of the city and to attend its services with regularity.

Matriculation.

Every student must matriculate before entering upon any college study. The matriculation fee of five dollars is required but once.

Faculty Advisers.

Students are helped to arrange their elective work and courses of study, and are aided in all other difficulties of college life by the President, Deans, and other members of the Faculty.

Before the end of the first year of residence, each student, after consultation with the President, must choose some member of the Faculty as his Adviser.
Registration.

Registration blanks are obtained from and returned to the registrar.

1. New students are required before entering classes to register in each course they expect to take. The Committee on New Students will meet to consult with new students on Monday, Tuesday, and Wednesday, September 15-16-17, 1919. No new student is permitted to register in any class until his elections have been approved by this Committee.

2. Other students must complete their registration for the first semester before the final examinations of the June preceding, and their registration for the second semester on or before January 17, 1920. A fee one dollar is required of all students who register after these dates.

3. No registration or change in registration is valid until approved in writing by the student’s adviser, and the instructors involved.

4. No student may register for less than fourteen nor more than seventeen hours without special permission from the faculty.

5. No student having standing E or F for any course may register for more than seventeen hours the next semester.
6. No student having standing F in any course may register for further work in that department, without the consent of the instructor.

**Attendance.**

1. Students are expected to attend all the regular exercises in the courses for which they are registered, and are required to do all the regular work as directed by the instructor in charge.

2. If in any semester the number of absences marked against a student in any course exceeds one-twelfth of the total number of exercises in that course, he will be required to do extra work at least equal in amount to the work done by the class during the entire time of his absence. This work will be tested by an additional examination or otherwise, as the instructor may elect.

3. If in any semester the number of absences marked against a student in any course exceeds one-sixth of the total number of exercises in that course, he will be debarred from the examination in that course and will be treated as any other student with standing E or F.

4. Students are required to attend Chapel Exercises and Open Forum regularly, unless excused by the Deans. If in any semester the number of absences of a student from chapel exercises exceeds one-twelfth of the total number of chapel exercises, he shall do extra work as assigned by the Deans.
5. Absences necessarily incurred by members of any athletic, musical or other student organization and recommended by the member of the faculty having that organization in charge, will not be considered in enforcing these regulations.

6. If a student has become liable to any of these penalties, further irregularity in his attendance during the semester renders him liable to further penalty.

7. Each absence immediately before or after any recess or vacation is counted as two absences.

8. Any appeal from the penalties incurred under these rules shall be made in person or in writing to the Deans.

In applying these regulations it is assumed that there are eighteen full weeks in every semester.

Examinations.

At the end of each semester students are examined in all studies of the semester. In general, these examinations are written.

Supplemental examinations are given during the week following the Summer Vacation or the week following the Thanksgiving Recess and the first week of March.

The trustees have voted “that a fee of one dollar be required from all students for each special examination required and given,” and “that all such fees be turned into the library fund.”
Standing.

The student's standing is found by combining the examination and the recitation marks. 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 highly honorable standing in the class; B, honorable; C, fair; D, passed (not more than 30 hours of work of standing D will be accepted for a degree); E, condition; F, failure; I, incomplete.

Students with standing E in any course are given one opportunity to receive credit with standing D by passing satisfactorily a supplemental examination; those with standing F receive no credit for the course; those with standing I receive credit on completion of some definite part of the work before some set date, or in case this is not done receive standing E or F.

Students whose standings in any semester fall below a fixed standard are dropped from the College.

Reports of the class standings of first year students are sent to parents or guardians and to the schools in which the students were prepared, on request.

Classification.

Regular Classes.

Any student who has a diploma from an approved secondary school and a properly approved certificate showing that he does not lack more than one unit for
entrance at the regular course may be classified as a Freshman.

Any student who has satisfied all the regular entrance requirements is classified as a Sophomore if he has credit for at least twenty-two hours of work, as a Junior if he has credit for at least fifty-four hours of work, as a Senior if he has credit for at least eighty-eight hours of work or if he is registered for sufficient work to complete the requirements for graduation.

Credit is given for no more than thirty hours of work of standing D.

Students are seated in chapel in accordance with this classification.

Special Students.

All students, who by faculty action have been admitted to do special work in any department, are known as Special Students.

Unclassified Students.

All other students who have not fully met the entrance requirements are known as Unclassified Students.

Adjustment of Credits.

All applications for college credit for work done elsewhere and proper evidence of work done, including certificates from other colleges, must be filed in
writing with the standing Committee on Credits during the first semester of residence. The student receives a written statement of credit granted and must see that a final and correct adjustment is made within that college year.

Honors.

General Honors.

General honors are awarded under the following conditions:

Honors for One Year: Students who have satisfied the entrance requirements and who have completed at least thirty hours of work, including the required work, each year of residence are eligible. Honors are awarded to eligible students if they have standing A for at least fourteen hours and standing B for the rest of the work for the year.

High Honors are awarded to eligible students if they have standing A for the year.

Honors for the Course: All Students who have done full work in this College for two years are eligible.

Honors for the Course are granted to eligible students if they have completed all the work of the course with standing A for at least sixty hours and standing B for the remainder of the work.

High Honors for the Course are granted eligible students if they have completed all the work of the course with standing A.
GENERAL COLLEGE REGULATIONS

Recipients of Honors for the Course receive their degrees *cum laude*. Recipients of High Honors for the Course receive their degrees *magna cum laude*.

**Special Honors.**

Any student whose average standing is not below C is eligible for special honors.

Honors for a Minor are awarded to eligible students who complete the courses of a minor with standing A.

Honors for a Major are awarded to eligible students who complete the courses of a major with standing A.

**Prizes.**

Attention is called to the desirability of having all prizes offered permanently endowed. The following prizes are offered:

1. The Sherwood Prize, endowed 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.

2. The Cooper Prize, endowed by the late Charles Cooper, Esq., of White Pigeon, is given for the best delivery of an Oration at the Junior Exhibition.

3. The Miller Prizes. Two prizes, one for Freshmen and one for Sophomores, offered by Mrs. Mary C. Miller, are given for excellence in Mathematical work for the year.
4. The Hodge Prizes. Two prizes, established in memory of the Rev. Marvin G. Hodge, D. D., are awarded to those members of the graduating class who, having taken all the work offered in Philosophy, have the highest standing in this department.

5. The Folz Prize. This prize, offered by the Hon. Samuel Folz, is given for excellence in the year's work in Economics.

6. The Todd Chemical Prize. This prize, offered by the Hon. Albert M. Todd, is given for excellence in the first year's work in Chemistry.

7. The Todd Sociological Prize. This prize, offered by the Hon. Albert M. Todd, is given for excellence in work in Sociology.

8. The Jones Prize. This prize is offered by Mr. W. O. Jones for excellence in the first year's work in Biology.

9. The Pinkham and Wright Debating Prize for Men, offered by Mr. F. O. Pinkham, B. S., 1909, and Mr. L. A. Wright, Ph. B., 1909, is awarded for excellence in a public Debate held during Commencement week.

10. The O. M. Allen Prize, offered by Mrs. J. D. Clement, is given for the best Essay written by a member of the Freshman class.

11. The Farley Prize. This prize, offered by Miss Della Farley, is awarded for excellence in the first year's work in English Literature.
12. The Upjohn Prizes. These prizes, offered by the Upjohn Company, are awarded for excellence in any year's work in Chemistry, excepting Courses 1 and 2.

13. The Young Mathematical Prize. This prize, offered by Mr. E. R. Young, B. S., 1903, is awarded to that member of the graduating class who has done the best work in a Major in Mathematics.

14. The Oakley Prize. This prize, offered by Mr. and Mrs. C. W. Oakley, is awarded to that member of the graduating class having the highest record for the entire college course.

15. The Nathaniel Aldrich Balch Memorial Prize in History. This prize is given by the relatives and friends of the late Hon. N. A. Balch, one of the first principals of the Michigan and Huron Institute, out of which the College developed, and for many years lecturer in history and constitutional law in the College. This prize will be awarded for the best Historical Narrative written by a student in the department of history.

16. The Samuel Haskell Memorial Prizes in Greek. These prizes are offered by the sons of the late Samuel Haskell, D. D., for many years a Trustee and Professor of the College. They are awarded to the students who have the best record for the year in Greek (8 hours) and who pass the best examinations on some assigned topic.
17. The Snashall Prizes. These prizes, offered by the Rev. and Mrs. Carlton H. Snashall, are awarded for the best “Work in the Bible” for the year.

18. The Balch Prize. This prize, offered by the Hon. J. B. Balch, is awarded for excellence in the year’s work in Physics.

19. The Kappa Pi Prize. This prize, offered by the Kappa Pi Society of the College, is awarded for “excellence in interpretative reading, in a public contest.”

20. The Eurodelphian Prize. This prize, offered by the Eurodelphian Society of the College, is awarded for “The best short story.”

21. The Le Grand A. Copley Prize in French. This prize, offered by Mr. Le Grand A. Copley, A. M., 1867, is awarded for excellence in the second year’s work in French.

DEGREES.

Bachelor’s Degree.

No student is recommended for a degree until all college bills and fees are paid.

No student will be recommended for this degree who has been in residence at this College less than one academic year and who has earned while in residence here less than thirty semester-hours of credit.

No student is recommended for the Bachelor’s degree who has less than ninety hours credit of rank A, B. or C.
All other students who have successfully completed all the requirements of the regular course of study (120 hours of credit, the required courses and other required work, one major and two minors, and class work in gymnasium, see pages 32-34), are recommended by the faculty to the Board of Trustees for the degree of Bachelor of Arts; provided that, if the candidate has earned sixty hours of credit, including one major and one minor, in the departments of Science and Mathematics, he may be recommended for the degree of Bachelor of Science.

**Master's Degree.**

**Graduate Courses.**

Whenever permission to do graduate work in any department is granted, the head of the department outlines a suitable course and supervises and directs the work during its continuance.

**Eligibility.**

Any graduate of the College, or of any other college in good standing, may become a candidate for the degree of Master of Arts or of Master of Science by action of the faculty. The candidate must have completed all the undergraduate work offered in the department of his principal subject or its equivalent. (See below.)

**Required Work.**

The candidate must complete at least one full year of advanced work in residence or its equivalent. No
one who does not give all his time to the work shall receive the degree in less than two years. Two-thirds of the work must be done in one department, and the other subjects must be related to this principal subject. The candidate, after consultation with the head of this department, must submit to the faculty for ratification a written statement of all the courses chosen for the degree. The work shall be tested by examination, conducted by the heads of the departments in which his work has been done and one other professor, and by a thesis on some topic connected with the principal subject.
GENERAL INFORMATION

Location.

ALAMAZOO is a beautiful and prosperous city of nearly fifty thousand inhabitants. Several lines of railroad make the city easily accessible from all directions.

The location of the Kalamazoo College grounds, comprising twenty-five acres, between Academy and West Lovell Streets, is one of the best and most healthful in the city. This is the best residence section of the city and about a mile from the business center. The Dormitories and Bowen Hall are finely situated on College Hill. The Athletic Field and the Gymnasium are on the level ground at its foot.

Bowen Hall.

Bowen Hall, the class, laboratory, and office building, is situated on College Hill, near Lovell Street. The chemical and physical laboratories are in the high and well lighted basement; the reception room, the executive offices, five class rooms, and the biological laboratory on the first floor; the library and seven class rooms on the second floor; the chapel, the Young Women’s Christian Association rooms and the rooms of the Eurodelphian and Kappa Pi Societies on the third floor. The building is heated by steam, with direct
and indirect radiation, and lighted by gas and electricity. Telephone number, 1341.

**Men's Dormitory.**

The Men's Dormitory is situated on College Hill overlooking the city. The interior of the building was entirely rebuilt in 1916, so that it is now a practically new and attractive, modern dormitory, steam-heated, electric-lighted, supplied with hot and cold water, shower baths and toilet rooms on each floor.

There is a large reception room on the first floor which has recently been well furnished, making the Dormitory in its present condition, a pleasant home for young men.

The rooms of the Y. M. C. A. and of the K Club are on the fourth floor.

The rooms are supplied with necessary furniture, but students supply their own bedding, towels, and other personal articles.

The entire building, including students' rooms, is cared for by responsible employees of the College. No student rooming in the Dormitory is permitted to board himself.

Prospective students should apply for rooms early as rooms are assigned in the order of applications received. (For room rent and room deposit, see page 84. Each student occupying a room is required to sign a lease. Not more than two students may occupy one room. If a student wishes to have a room alone
the rent will be 75 per cent of the full price for two students.

**Ladies' Hall.**

The Women's Dormitory, known as Ladies' Hall, is attractively situated on College Hill near Academy Street, and is under the direct supervision of Mrs. Archibald Wheaton, Matron.

Young women from out of town are strongly advised to room at the Hall, as this gives the best opportunity to live a wholesome, normal life under good influences and among congenial companions. Application for rooms should be made early, as the accommodations are limited and rooms are assigned in the order of applications received. (For room rent and room deposit see page 82.) The rooms are heated, lighted and suitably furnished, but each student supplies her own sheets, pillow cases, white spreads, towels, and other personal articles.

Telephone number, 1364.

**Gymnasium.**

The Gymnasium is a substantial brick building, one hundred eight by sixty feet. The baths, lockers and wrestling rooms are in the basement, the offices for the physical directors and the apparatus room on the first floor, and a good sized hall for literary meetings on the second floor. The gymnasium proper is seventy-eight by fifty-eight, and twenty feet clear in height.
It is provided with standard apparatus, a piano for class work and seats for spectators at games.

The primary purpose of the gymnasium is the physical training of all the students, not the development of small groups of expert athletes or gymnasts.

No one is permitted to use the gymnasium without approved shoes and other clothing. Locker key deposit, fifty cents.

The College Library.

The College Library contains over sixteen thousand bound volumes and three thousand six hundred pamphlets. The standard encyclopedias, dictionaries, and other books of reference are included.

Through the liberality of F. R. Welles, LL. D., of Paris, France, and the income from the Olney estate, several hundred dollars are available annually for new books and periodicals. The books purchased from the Welles fund are known as the A. Gaylord Slocum Library.

The library which is now installed in Bowen Hall, is conveniently located for use by students in all departments.

The City Library

The Public Library of the City is available to students of the College without expense. This library contains about fifty thousand bound volumes, and is growing at the rate of twelve hundred volumes a year. The reading-room is supplied with one hundred and fifty periodicals.
The Chemical Laboratory occupies the entire western section of the basement of Bowen Hall, thus being lighted from three sides. It contains tables for forty-eight students, as well as ventilated hoods and side tables. The balances occupy a separate room fitted with stone shelves supported free from the walls and building. The supply of chemicals and apparatus occupies a separate room. There are three small private laboratories designed for those taking advanced work and special courses.

In addition to the usual equipment there is an electric water bath, a Freas electric oven with thermostat control, a Veit apparatus for electrolytic analysis, motor-driven rotary air pumps furnishing compressed air for the blast lamps, a muffle furnace, a large combustion furnace, a high power motor-driven centrifuge, a Parr calorimeter for fuel analysis, a solution color comparator, a polariscope for sugar analysis, and the apparatus for molecular weight determinations by the various standard methods.

The Physical Laboratory occupies two large well-lighted rooms in the south section of the basement of Bowen Hall. There are also two dark rooms. The larger one is equipped with a high grade Lummer-
Brodhun photometer and accessories for efficiency tests and for candle-power determinations by means of the Hefner lamp on the various forms of gas and electric lights. The smaller dark room is used for spectrum analysis and for the work in optics. The equipment is adequate for the undergraduate courses in physics and is enlarged from time to time. Of special apparatus there is a prism spectrometer carrying attachments for the study of the various forms of polarized light, a Michelson interferometer, a mercury vapor arc lamp, a Hoskins pyrometer, and a Bunsen calorimeter. For demonstration purposes and X-ray work there has recently been added a large eight-plate static machine and also a Scheidel induction coil giving a twelve-inch discharge.

By means of a motor-generator and storage batteries direct currents of any voltage up to 150 volts are distributed from a central switch board over ten circuits to various parts of the laboratories and to the lecture room. A switch board in the photometry room carries accurate meters and rheostats for the control of any desired voltage.

Biological Laboratory.

The Biological Laboratory occupies a large room on the first floor, well lighted from the north and west. It is fitted with water, gas, electricity, reagents, microscopes, microtome, aquarium, etc., sufficient for individual work by twenty-four students at one time.
Other Apparatus

The College owns a Bausch and Lomb Convertible Balopticon for the projection of lantern slides, opaque objects, chemical experiments, and physical and biological demonstrations. A smaller portable lantern is available for classroom work.

A good photographic camera with accessories for photomicrography and lantern slide work is used.

The College has an excellent three and one-half-inch telescope with a substantial altitude azimuth mounting. There is also a model equatorial mounting.

Scientific Collections.

There are collections of minerals, rocks, fossils, and shells, of mounted slides, mounted birds, and other illustrative material for use in the various courses in Biology.

Mathematical Models.

The College has a good set of models of the surfaces of the second degree, showing the circular sections and the rectilinear generators, and a set of models of developable surfaces.

Surveying Instruments.

The College is well equipped with surveying instruments for class work in the field: Several transits and levels of standard makes, hand-level, leveling and stadia rods, steel tapes, chains and so forth.
Open Forum.

The students and faculty meet together in the chapel several times each semester. At these meetings topics of general, social, political, literary, scientific, and educational interest are presented by students, teachers, or visitors. From time to time questions of college policy are freely discussed by the students and faculty.

Vesper Services.

During each semester vesper services are held on several Sunday afternoons in the chapel. Music is furnished by the various choirs of the city or the musical clubs of the College and a short address given.

Founders’ Day.

The original charter of this institution was signed on April 22, 1833. This date is observed as Founders’ Day with suitable ceremonies. The members of the Senior class are expected to wear their caps and gowns at this time. A reception is held for them by the local alumni.

Christian Associations

The Young Men’s and Young Women’s Christian Associations have an important place in the life of the college. Each of these Associations has its own room where meetings are regularly held and in which the
Christian activities center. An important part of their work consists in helping new students to adapt themselves to college life. They also strive to aid their members in religious thinking and living and to win others to the Christian life; to relate them to some phase of Christian work, and to send them out into the world with the ability and the determination to do their part and bear their responsibility as citizens of a Christian community.

**Literary Societies.**

There are five active and flourishing literary societies among the students. The Sherwood Rhetorical Society, founded in 1851; the Philolexian Lyceum, founded in 1855; the Eurodelphian Society, founded in 1856; the Century Forum, founded in 1900; and the Kappa Pi, founded in 1906. The Eurodelphian and Kappa Pi societies are for young women, and the other three for young men.

Regular business and literary meetings are held each week. This literary work is a valuable adjunct to the regular college curriculum, and is actively encouraged by the faculty.

Open meetings, at which debates are held and literary programs are given and to which the public is invited, are held from time to time.

**Oratorical Association.**

The Oratorical Association has for its purpose the promotion of an active interest in oratory and debat-
ing. During the first semester two public contests are held, the successful competitors in which represent the association in the annual contests of the Michigan Oratorical League. The association also has charge of the debating contests between Kalamazoo and other colleges. Prizes are given to the winners in local contests in oratory, and a gold medal is awarded to each intercollegiate debater. All students are members and are encouraged to identify themselves with the activities of this organization.

The College Index.

The Kalamazoo College Index is published weekly by the Students' Publishing Association. It contains undergraduate, alumni, and other College news.

Athletics.

Mr. Ralph H. Young, (B. S., Washington and Jefferson, 1915), is Physical Director for Men.
Miss Abbott is Physical Director for Women.
Courses in Physical Training are required and a healthy interest in athletics is approved by the faculty.

Athletic sports are managed under the direction of the Board of Control, consisting of the President of the College, the chairman of the Faculty Committee, the president and two other officers of the Athletic Association.

The equipment for athletics includes a substantial, well equipped gymnasium, a properly graded and
drained athletic field, containing baseball and football grounds and a quarter-mile cinder track, good tennis courts and the paraphernalia necessary for the popular games and sports.

All intercollegiate contests should be scheduled for Wednesday or Saturday.

**Eligibility.**

Every student who desires to take part in athletic contests must take a physical examination and may be required to present a certificate of physical fitness from a competent physician. Those under age must secure permission from parents or guardians.

No student shall be eligible to play on any Kalamazoo College athletic team who is not maintaining in all his work a grade satisfactory to the faculty.

No first-year student shall be eligible to play on any Kalamazoo College athletic team during the first semester unless he has entrance credit for 14 units and is carrying at least 10 hours of college work in a satisfactory manner.

No first-year student shall be eligible to play on any Kalamazoo College athletic team during his second semester unless he has entrance credit for at least 14 units, and has in addition earned by attendance upon college classes at least 10 hours of college credit, and is carrying at least 10 hours of college work in a satisfactory manner.

No person shall be eligible to play on any Kalamazoo College athletic team after his first year unless he has full entrance credit and has earned 10 semester
hours of college credit for each of his two last preceding semesters, and is carrying at least 10 hours of college work in a satisfactory manner.

**Glee Clubs.**

The Glee Club aims to promote an interest in vocal and instrumental music among the young men of the institution. Concerts are given in various parts of the State, and a tour is taken during the spring vacation.

The Gaynor Club is open to young women only. Its aims and conditions for membership are similar to those of the Glee Club. It gives public concerts during the winter and spring.

**Expenses.**

All bills must be settled in advance.

The Matriculation fee is five dollars ($5.00).

The Graduation fee is eight dollars ($8.00).

All students rooming in the dormitories make a room deposit of five dollars ($5.00) which is returned on the surrender of the room and furniture in good condition. To secure a room for 1919-20 the deposit should be made before August 1, 1919. If sickness prevents occupancy of the room, the deposit will be returned.

Students using Gymnasium lockers make a key deposit of fifty cents, which is returned on the surrender of the key and locker in good condition.
GENERAL INFORMATION

*Tabulated Expenses for One Student per Semester.

Tuition (not exceeding 17 hours) $23.00
Library fee .50
Athletic fee 2.00
Oratorical dues .50
Board, Ladies’ Hall 81.00
Room Rent, College Dormitories, per student $27.00 to $31.50
Total for one semester $134.00 to $138.50

*Other Fees for One Semester.

Tuition, for each hour in addition to 17 hours $1.00
Chemical laboratory, each course 5.00
Biological laboratory, each course 1.50
Physical Laboratory, each course 2.50
This does not include books and other personal expenses.

Endowed Professorships and Memorial Funds.

Attention is called to the necessity of having professorships in all departments fully endowed.

The following professorships have been fully endowed.

The Olney Professorship of Mathematics.
The Charles Willard Professorship of Latin.
The John A. Broadus Professorship of Greek.

*The current college year was divided into three terms of twelve weeks each, for convenience in administering the S. A. T. C. Unit.
The following have been partially endowed:
The Alumni Professorship.
The Kalamazoo City Professorship.
The interest from the following memorial funds goes toward meeting current expenses:
Fellows and Taft Memorial Fund.
Charles M. Averill Memorial Fund.
C. G. Denison Memorial Fund.

Endowed Scholarships.

Taft Fund, $2,250. Established by Lewis A. Taft.
Axtell Fund, $1,000. Established by Mrs. Hannah E. Axtell.
Caleb Van Husan Memorial Scholarship, $1,000. Established by the widow and children of Caleb Van Husan.
Charles Willard Scholarship. Established by Charles Willard.
Howard B. Latourette Fund, $2,000. Established by Howard B. Latourette.
Joseph W. Hicks Scholarship, $4,000. Established by Mrs. Helen W. Hicks.
HONORS AND PRIZES

DEGREES CONFERRED

JUNE 19, 1918.

DOCTOR OF DIVINITY.

David Triestram Magill ............................................ Upper Alton, Ill.
John Wellington Hoag .................................................. Detroit

BACHELOR OF ARTS.

Raymond LaDue Abbott ............................................... Lansing, Mich.
George Augustus Arnold ............................................. Dayton, Mich.
Myrtle Marie Beach ................................................... Kalamazoo
Dorothy Bennett ..................................................... Kalamazoo
Zella Phillips Benton ................................................ Kalamazoo
Amelia Biscomb ....................................................... Kalamazoo
Maud Edythe Bosworth ................................................. Scottville
Mary DeLano Bush ..................................................... Plainwell
Maggie Julia Carr (Cum Laude) ...................................... Kalamazoo
Eustace Couyumdjopoulos (Magna Cum Laude) .................. Beni-Suef, Egypt
Louise Cunningham .................................................. Kalamazoo
Dora Edna DeMoulin (Magna Cum Laude) ......................... Highland, Ill.
Iris Louise Easterbrook ............................................... Vicksburg
Vivian Eaton ........................................................... South Haven
Dorothy Genevieve Harter ........................................... Kalamazoo
Helen Mildred Hudson ................................................ Lansing
Richard Grant Hudson ................................................ Lansing
Herman Fletcher Kurtz ................................................ Kalamazoo
Marian Evelyn Monteith .............................................. Kalamazoo
Ruth Alta Monteith .................................................... Martin
Grace Lea Pinel ........................................................ Kalamazoo
Elsie Julia Randall ..................................................... South Haven
Edna Kathryn Schutter ............................................... Mt. Clemens
Josephine Mertie Sharp ............................................... Escanaba
Mildred Annette Tanis ........................................ Kalamazoo
William Swanston Taylor ..................................... Kalamazoo
Charlotte Wenzel .............................................. Kalamazoo
Ona Belle White ................................................ Kalamazoo
Ruth Ona White .................................................. Alto
Frances Eugenia Wood .......................................... Kalamazoo
William Parsons Woodard ..................................... Kalamazoo
Florence Barbara Woolsey .................................... Kalamazoo
William Walter Des Autels, as of the Class of 1890.........

................................................................. Berrien Springs

BACHELOR OF SCIENCE.

Crosby Dean Eaton ........................................... South Haven
John Edward Erratt ............................................ Cheboygan
John Curry Walker (Magna Cum Laude) ..................... Kalamazoo
Wilma Charlotte Weeks ..................................... Kalamazoo
John Demetrius Xanthopoulos ............................... Menouf, Egypt

HONORS

HIGH HONORS FOR THE COURSE (Magna Cum Laude.)

Eustace Couyumdjopoulos  John Curry Walker
Dora Edna DeMoulin

HONORS FOR THE COURSE (Cum Laude.)

Maggie Julia Carr

HIGH HONORS FOR THE YEAR.

Maggie Julia Carr  Marian Frances Hoek
Eustace Couyumdjopoulos  Harold Hoekstra
Dora Edna DeMoulin  Martha Lenora Pratt
Marion Hiller Dunsmore  Allen Byron Stowe
Helioiae Hafer  John Curry Walker
Elizabeth Hamilton
HONORS AND PRIZES

HONORS FOR ONE YEAR.

Doris Brigham
Edna Emogene Cain
Grace Evelena Field
Beatrice Louise Hall
Ruth Ayers Stanton
Ona Belle White

HONORS FOR A MAJOR.

Maggie Julia Carr..........................Latin and German
Eustace Couyumdjopoulos................Chemistry and French
Dora Edna DeMoulin.......................French (Granted in 1917)
John Curry Walker.........................Mathematics
Charlotte Wenzel................................German

HONORS FOR A MINOR.

Maggie Julia Carr..........................Spanish and Philosophy
Eustace Couyumdjopoulos................Mathematics and German
Florence Crissman..........................English Literature
Dora Edna DeMoulin........................Spanish
Marion Hiller Dunsmore....................Chemistry
Heloise Hafer................................German
Geraldine Mae Hamilton....................Chemistry
Verne Harris................................German
Herman Fletcher Kurtz.....................German
Grace Lea Pinel.............................English Literature
Ruth Ayers Stanton........................German
Allen Byron Stowe........................Mathematics and German
John Curry Walker.........................Physics and Philosophy
Ona Belle White............................English Literature
Ruth Ona White.............................English Literature
PRIZES

SHERWOOD PRIZES IN DECLAMATION
First............................................ Nellie Margaret Clark
Second........................................ Harry Leone Carpenter

COOPER PRIZES IN ORATORY
First............................................ Annie Celeste Van Koert
Second........................................ Edith Lillian Rood

MILLER PRIZES IN MATHEMATICS
Sophomore................................. Eustace Couyumdjopoulos
Freshman—Divided........................ Edna Emogene Cain
........................................... Elizabeth Hamilton

HODGE MEMORIAL PRIZES IN PHILOSOPHY
First............................................ Maggie Julia Carr
Second........................................ John Curry Walker

FOLZ PRIZE IN ECONOMICS
............................................. Richard Emanuel Bacigalupo

TODD PRIZE IN CHEMISTRY
Divided........................................ Allen Byron Stowe
........................................... Harold William Heiser

TODD PRIZE IN SOCIOLOGY
............................................. Martha Lenora Pratt

W. O. JONES PRIZE IN BIOLOGY
First............................................ Enid Lillian Campbell
Second—Divided........................... Norda Rae Schoonmaker
........................................... Nellie Margaret Clark

PINKHAM-WRIGHT PRIZE IN DEBATE
............................................. Lester Allan Clark Graybiel

O. M. ALLEN PRIZE FOR ESSAY BY FRESHMAN
............................................. Maurice Dickerson Armstrong

THE FARLEY PRIZE FOR EXCELLENCE IN FIRST YEAR'S WORK IN ENGLISH
Divided........................................ Marion Hiller Dunsmore
........................................... Hattie Marguerite Baker
HONORS AND PRIZES

THE UPJOHN PRIZE IN CHEMISTRY
First........................................Eustace Couyumdjopoulos
Second......................................John Edward Erratt

YOUNG PRIZE IN MATHEMATICS
....................................................John Curry Walker

THE OAKLEY PRIZE FOR HIGHEST EXCELLENCE FOR THE ENTIRE COURSE
....................................................John Curry Walker

NATHANIEL A. BALCH MEMORIAL PRIZE IN HISTORY
....................................................Marion Hiller Dunsmore

THE SAMUEL HASKELL MEMORIAL PRIZES IN GREEK
First..........................................................Martin Larson
Second..........................................................Laura Helena Hunt

SNASHALL PRIZES FOR WORK IN THE BIBLE
First.........................................................Annie Celeste Van Koert
Second.........................................................Ruth Myrtle Toyne

THE BALCH PRIZE FOR EXCELLENCE IN YEAR'S WORK IN PHYSICS
..........................................................Harold Hoekstra

THE KAPPA PI PRIZE FOR EXCELLENCE IN INTERPRETATIVE READING IN A PUBLIC CONTEST
..........................................................Norda Rae Schoonmaker
With honorable mention of....Mildred Annette Tanis

THE LE GRAND A. COPLEY PRIZE IN FRENCH—FOR EXCELLENCE IN THE SECOND YEAR'S WORK IN FRENCH
Divided................................................Eleanor Augusta Currey
..............................................Beatrice Louise Hall

SPANISH PRIZE—Donor Unknown
..........................................................Dora Edna De Moulin
STUDENTS OF THE COLLEGE.

Classification is based on the standing December 1. The department in which major work is done is printed under each name.

**SENIOR CLASS.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Home Address</th>
<th>Kalamazoo Address</th>
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<tbody>
<tr>
<td>Ruth Helena Balch, Latin</td>
<td>Kalamazoo</td>
<td>1425 Forbes St.</td>
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<tr>
<td>Carl Hallack Chatters, English Literature</td>
<td>Flint</td>
<td>22, Dormitory</td>
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<tr>
<td>Lucille Corkey, English Literature</td>
<td>Kalamazoo</td>
<td>628 Village St.</td>
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<td>Eleanor Augusta Currey, French</td>
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<td>Esther Cornelia Den Adel, English Literature</td>
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<td>Alfred Charles Emerson, Chemistry</td>
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**JUNIOR CLASS.**

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STUDENTS OF THE COLLEGE

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<td>Ruth Ayres Stanton Latin</td>
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<td>Glenn Curtis Thompson Social Science</td>
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<td>Theodore Andrews Thompson Social Science</td>
<td>Williamston</td>
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<td>Bernice Dorothy Ten Dyke Greek</td>
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<td>Wilbur Towsley Chemistry</td>
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<td>Vivian Yvone Tuttle</td>
<td>Benton Harbor</td>
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SOPHOMORE CLASS.

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<td>Bad Axe</td>
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<td>Maurice Dickerson Armstrong Lake Odesa</td>
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<td>Amy Babcock</td>
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<td>Doris M. Brigham</td>
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<td>Maynard Victor Brown</td>
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FRESHMAN CLASS.

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### STUDENTS OF THE COLLEGE

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#### UNCLASSIFIED

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#### SPECIAL STUDENTS

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ROSTER OF S. A. T. C. UNIT.

First Lieutenant—Ray G. Walter
Second Lieutenant—Hugh T. Lavery
Second Lieutenant—Vernon L. Miller
Second Lieutenant—Walter C. Dean
Clerk—Private George S. Mitchell.

Privates
Aach, Hugh ........................................ Kalamazoo
Alexander, Thomas H. .................................Hillman
Andrews, Harold Milman ................................ Bad Axe
Babcock, Warren W. ...................................... Detroit
Bacigalupo, Richard E. .................................... Kalamazoo
Barber, Leon F. ........................................ Central Lake
Beaber, Nathaniel J. .................................... Kalkaska
Beach, Earl V. ........................................... Kalamazoo
Bean, Allan M. ........................................ Otsego
Beardsley, Bruce H. ..................................... Sturgis
Bell, Harry A. ........................................... Kalamazoo
Brown, Earl H. ........................................ Muskegon
Buck, Porter A. ........................................ Sodus
Burlingham, Charles M. ................................. Otsego
Byrd, Cloyd R. .......................................... Cassopolis
Cady, Henry C. ........................................ Mason
Cameron, John J. ........................................ Central Lake
Carpenter, Harry L. ...................................... Kalamazoo
Chaffee, Donald M. ....................................... Galesburg
Chatters, Clayton M. .................................... Flint
Colman, Howell F. ....................................... Kalamazoo
Connelly, Howard B. ..................................... Vandalia
Cook, Carleton D. ....................................... Chicago, Ill.
Crosby, Charles D. ....................................... Kalamazoo
Dawson, Nelson B. ....................................... Central Lake
Dean, Bryson C. .......................................... Marshall
DeHaan, John ............................................. Kalamazoo
DeLine, Hrythol A. ....................................... Kalamazoo
Denslow, Floyd E. ........................................ Benton Harbor
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Milroy, Robert R. ............................................ Kalamazoo
Mishica, Joseph C. ........................................... Calumet
Monroe, Ulysses S. ........................................... Berlin
Osborne, Floyd L. ............................................ Port Austin
Patterson, Robert H. ........................................ Edwardsburg
Perry, Clifton W. ............................................ Kalamazoo
Pieters, Roelof .............................................. Kalamazoo
Pinel, Emil C. ............................................... Kalamazoo
Rea, Ernest E. .............................................. Hillman
Read, Charles A. ............................................ Lowell
Rice, Murray J. .............................................. Flint
Rigterink, Hollis J. ........................................ Kalamazoo
Ring, Kenneth C. ............................................ Kalamazoo
Robinson, Harry A. ........................................ Mattawan
Roe, Millard J. .............................................. Kalamazoo
Roof, Merritt R. ............................................ Climax
Rynbrand, Glen W. ........................................ Kalamazoo
Savage, Dorr L. ............................................. Central Lake
Sayles, Neil D. .............................................. Battle Creek
Schensul, Joseph ........................................... Kalamazoo
Schmid, Karl W. ............................................ Kalamazoo
Schroeder, Donald L. ...................................... Kalamazoo
Seward, Robert D. .......................................... Bedford, Va.
Small, Henry F. ............................................. Alpena
Small, William A. ......................................... Kalamazoo
Smith, Ernest F. ........................................... La Grange, Ind.
Snyder, Nelson A. .......................................... Central Lake
Spaid, Leonard ............................................. Klingers
Staake, Paul C. ............................................. Galesburg
Stafford, Thomas D. ....................................... Coldwater
Stanton, Leslie J. ........................................... Muskegon
Swikert, Charles A. ........................................ Goble ville
Tazelaar, Corliss ........................................... Kalamazoo
STUDENTS OF THE COLLEGE

Thomas, Claude H..............................................Berlin
Thompson, Theodore A........................................Williamston
Tuttle, Vivian Y..............................................Benton Harbor
Twichell, Frank L..............................................Williamston
Van Male, John E..............................................Kalamazoo
Voice, Maurice.................................................Kingsley
Vowler, Wilbert R..............................................Gwinn
Walker, Harry E..............................................Gobleville
Walters, Harry A..............................................Battle Creek
Wattles, Charles E..............................................Kalamazoo
Weatherwax, Ward C...........................................Sturgis
West, Ira G......................................................Kalamazoo
Weston, Russell K..............................................Kalamazoo
Wheat, Phineas S..............................................Kalamazoo
Wilcox, Harold B..............................................Gobleville
Wilcox, Monroe J..............................................Gobleville
Williams, Kenzell..............................................Kalamazoo
Wilson, Donald J..............................................Mattawan

SUMMARY

Seniors .......................................................... 33
Juniors .......................................................... 35
Sophomores ..................................................... 56
Freshmen ........................................................ 86
Unclassified .................................................... 8
Specials .......................................................... 9

227

S. A. T. C. Unit................................................ 122

349

Counted twice ............................................... 62

Total .......................................................... 287
**GEOGRAPHICAL SUMMARY**

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**GENERAL ALUMNI ASSOCIATION**

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AGNES BLANCHE POWELL, A. B., 1900, Kalamazoo

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ELIZABETH STETSON FLEUGEL, A. B., 1917, 1209 Jefferson Avenue, Kalamazoo

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Vice-President
CLARENCE EVERETT, A. B., 1916

Secretary-Treasurer.
MARY L. PHILLIPS, Ph. B., 1906, 3410 Oak Park Avenue, Berwyn, Illinois