CALVIN COLLEGE
An institution of the Christian Reformed Church

YEARBOOK
1940-1941

Academic Record for 1940-1941
Announcements for 1941-1942

GRAND RAPIDS, MICHIGAN
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An Institution of the Christian Reformed Church

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GRAND RAPIDS, MICHIGAN
HOW TO ADDRESS CORRESPONDENCE

All correspondence should be sent to Calvin College, Grand Rapids, Michigan. In sending correspondence, the specific addresses given below should be used:

Regarding admission and graduation requirements, address the Dean.

Regarding records, transcripts, requests for literature, address the Registrar.

Regarding boarding or rooming places for girls, work for girl students, address the Dean of Women.

Regarding boarding or rooming places for men, whether or not in Calvin Dormitory, address the Committee on Dormitory and Boarding Places.

Regarding teaching positions after graduation, address the Placement Bureau.

Regarding alumni matters, address the Secretary of the Alumni Association.

All checks should be made payable and correspondence concerning them sent to the Treasurer, Calvin College.
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CALENDAR

1941

Registration for Second Semester..........................January 6-7
Christmas Vacation ends...........................................January 8, 7:00 A.M.
Final Examinations...............................................January 8-16
First Semester closes............................................January 16
Second Semester begins........................................February 20
Spring Vacation begins.........................................March 21, 6:00 P.M.
Spring Vacation ends.............................................April 1, 7:00 A.M.
Re-examinations..................................................April 4-5
Final Examinations..............................................May 22-30
Board of Trustees meets........................................May 28
Commencement....................................................June 3

Summer Vacation

Enrolment of New Students.................................September 3, 9:00 A.M.
Registration for First Semester.............................September 3-4, 9:00 A.M.
Opening Exercises..............................................September 4, 9:00 A.M.
Re-examinations................................................September 5-6
Thanksgiving Recess..........................................November 20 and 21
Christmas Vacation begins................................December 19, 6:00 P.M.

1942

Registration for Second Semester..........................January 5-6
Final Examinations..............................................January 14-22
First Semester closes..........................................January 22
Second Semester begins.......................................January 26
Spring Vacation begins.......................................March 20, 6:00 P.M.
Spring Vacation ends...........................................March 31, 7:00 A.M.
Re-examinations.................................................April 2-3
Final Examinations.............................................May 21-29
Board of Trustees meets.....................................May 27
Commencement..................................................June 2

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Librarian
985 Twelfth Street, N. W.
Telephone 8-8210

Richard C. Boelkins, M. D.
Medical Examiner
157 Fountain Street, N. E.
Telephone 8-2638

Committees
Athletics—Wassink, De Vries, H. Stob.
Boarding Places and Dormitory—Myxserns, Meeter, Monsma, E. Stob.
Scholarship and Guidance—Decker, Van Zyl, Mrs. Pels.
Discipline—Ryskamp, Nieuwoudt, Hoesl, Floksra.
Educational Policy—Rooks, J. Broene, Vanden Bosch, Ryskamp, Decker, R. Stob.
Religious and Social Activities—Meeter, Van Andel, Swets, Radius, Mrs. Pels.
Library—R. Stob, Van Haitsma, Drost.
Bookstore—Monsma, Wassink, Drost.
Publications—Vanden Bosch, Van Haitsma, Radius.
Placement Bureau—Van Zyl, Rooks, Nieuwoudt, Floksra.

ADMISSION

Calvin College exists under the auspices of the Christian Reformed Church in America, and is controlled by a Board of Trustees composed of one member from each Classis. According to the constitution, all instruction given must be in harmony with Reformed principles. The various branches of study, therefore, are considered from the standpoint of faith and in the light of Calvinism as a life and world view. The aim of the college is to give young people an education that is Christian, not merely in the sense that devotional exercises are appended to the ordinary work of the college, but in the larger and deeper sense that all the class work, all the students' intellectual, emotional, and imaginative activities shall be permeated with the spirit and teaching of Christianity.

Admission

All applications for admission should be made at least a month before the date of opening to the Dean, who will furnish blanks and such other literature as is necessary for the applicant to have. Further steps involved in the procedure of admission are as follows:

Submission by the applicant of a satisfactory written testimonial of good moral conduct. One who intends to study for the ministry must in addition present a recommendation from his consistory endorsing him for the ministry.

Submission by the high school of the applicant’s high school record.

Those seeking admission at the beginning of the second semester should apply, if possible, a month before the semester opens. The Faculty has the right to accept during the school year students that meet the requirements.

Freshman Standing

Students are admitted to Freshman standing on one of the following three plans:

Plan A. Admission by Certificate. To be admitted on this plan, the applicant must meet the following four requirements:

1. Certification. The applicant must submit a certificate from an accredited school.

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2. Amount of work. This certificate must testify to the satisfactory completion of fifteen units of work. By a unit of work is meant the equivalent of five recitations a week for thirty-six weeks in one branch of study.

3. Prescribed work. Certain of these fifteen units are prescribed. How many and which units are prescribed depends on the college course to which the applicant seeks admission with Freshman standing, as follows:

For admission to the General College course, nine units prescribed:
- Algebra 3 units
- English 3 units
- Foreign Languages, any one: 2 units
- Dutch, French, German, Greek, or Latin: 2 units
- Laboratory Science, any one:
  - Physics, or Zoology: 1 unit

For admission to the pre-Seminary course, twelve units prescribed:
- Algebra 1 unit
- English 3 units
- Greek, or Latin: 2 units
- History: 2 units
- Physics, or Zoology: 1 unit

For admission to the course in Education, nine units prescribed:
- Algebra 1 unit
- English 3 units
- Foreign Languages, any one: 2 units
- Dutch, French, German, Greek, or Latin: 2 units
- Laboratory Science, any one:
  - Biology, Botany, Chemistry: 1 unit

For admission to the pre-Medical course (this applies also to such as intend later to study Dental Surgery), ten and one-half units prescribed:
- Algebra 1½ units
- Chemistry 2 units
- English 3 units
- Physics 1 unit
- History: 1 unit

(Applicants for admission to the pre-Medical course are also strongly urged to present Botany, French, German, and Zoology.)

For admission to the pre-Law course, nine units prescribed:
- Algebra 1 unit
- English 3 units
- Foreign Languages, any one: 3 units
- Dutch, French, German, Greek, or Latin: 3 units
- Laboratory Science, any one:
  - Biology, Botany, Chemistry: 1 unit

For admission to the pre-Engineering course (this applies also to such as intend later to study Architecture), eleven and one-half units are prescribed:
- Algebra 1½ units
- English 3 units
- Foreign Languages, any one: 2 units
- Dutch, French, German, Greek, or Latin: 2 units
- Laboratory Science, any one:
  - Biology, Botany, Chemistry: 1 unit

If the applicant is unable to fulfill the requirement in Trigonometry, he may substitute one full additional unit of Foreign Languages. In that case, he will, however, be required to take Trigonometry in College in addition to the other requirements of the pre-Engineering course.

4. Distribution of work. The remainder of the fifteen units must be distributed in the following list; except that two units may consist of subjects which, though not included in the following list, are counted toward graduation by the accrediting school.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>1 to 2</td>
</tr>
<tr>
<td>Geometry</td>
<td>1 to 1½</td>
</tr>
<tr>
<td>Bible</td>
<td>1 unit</td>
</tr>
<tr>
<td>German</td>
<td>2 to 4 units</td>
</tr>
<tr>
<td>Biology</td>
<td>½ to 1 unit</td>
</tr>
<tr>
<td>Greek</td>
<td>1 to 3 units</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1 unit</td>
</tr>
<tr>
<td>History</td>
<td>1 to 3 units</td>
</tr>
<tr>
<td>Civics, Economics</td>
<td>½ to 1 unit</td>
</tr>
<tr>
<td>French</td>
<td>3 to 4 units</td>
</tr>
<tr>
<td>Geography</td>
<td>½ to 1 unit</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>½ unit</td>
</tr>
</tbody>
</table>

PLAN B. New Plan of Admission.

Beginning September, 1942, students will be admitted only by plans B, C, or D, not by plan A.

Fifteen units are required for admission and must include four sequences, two major sequences and two minor sequences selected from the five groups listed below. A major sequence consists of a minimum of 3 units, a minor sequence of a minimum of 2 units.

I. ENGLISH
A major sequence of at least 3 units is required.

II. One major sequence (3 units) and two minor sequences (2 units each) are to be chosen from Groups A, B, C, D.
Two major sequences may be chosen from Group A but only one from Groups B, C, D.

A. FOREIGN LANGUAGE GROUP
A sequence consists of work in a single language, not in the combination of two languages. The foreign languages acceptable are: Greek, Latin, French, German, Spanish, and Dutch.

B. MATHEMATICS-PHYSICS GROUP
A minor sequence in this group must include 1 unit of algebra and 1 unit of plane geometry. A major sequence is formed by adding to this minor sequence 1 or more units from the following:
- Adv. algebra (½ or 1 unit)
- Trigonometry (½ unit)
- Solid geometry (½ unit)
- Physics (1 unit, 0, 2, 3)

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C. NATURAL SCIENCE GROUP

Physics .................................... 1 unit  
Chemistry .................................... 1 unit  
Zoology .................................... 1 unit  
Botany .................................... 1 unit
Biology (botany, ½ unit and zoology, ½ unit) .................................... 1 unit

D. SOCIAL STUDIES GROUP

Ancient history, 1 unit
European history, 1, 1½, or 2 units
American history, ½ or 1 unit
American government, ½ unit

Economics, ½ unit

Minimum requirements from above groups .................................... 10

The remaining units required to make up the necessary 15 units required are elective from among the subjects listed above and such others as are usually counted toward graduation by the accredited school. The Dean, however, has the right to reject such credits as the institution considers undesirable. One unit of foreign language may be offered under this group .................................... 5

Total .................................... 15

Physics may not be counted in both of the Groups B and C as part of a sequence.

If biology is counted, neither botany nor zoology may be counted.

English history may be included under European history. World history may be included when accompanied by a second full year of history.

Half units in the social studies are acceptable as part of a sequence only if taken in the eleventh or twelfth grade.

Students who plan to meet the Bachelor of Arts degree requirements would be wise not to omit more than one of the above groups in selecting sequences.

PLAN C. ADMISSION BY EXAMINATION

Applicants who are unable to furnish approved certificates and are therefore unable to meet the first requirement of Plan A or B, may be admitted if by passing satisfactory examinations they can meet the other requirements of Plan A or B. Further particulars regarding such examinations may be obtained from the Dean.

PLAN D. PROVISIONAL ADMISSION

An applicant for admission, whether on Plan A, B, or C, who meets all the requirements save that he fails by not more than one unit to satisfy the requirements either as to prescribed work or as to distribution of work, may be admitted provisionally. Such deficiency must, however, be made good during the first year of residence.

Advanced Standing

Advanced Standing (in other words, college credit) is granted in the following cases:

1. When the applicant submits from an accredited college, junior college, or normal school, a certificate of honorable dismissal and a transcript of the studies pursued. However, no applicant is allowed more than sixteen hours of credit for each semester of work taken at some other recognized institution.

2. When the applicant, at the time of entrance, passes satisfactory examinations in the subjects in which he desires advanced standing.

3. When the applicant, having at the time of entrance declared the subjects in which he desires advanced standing, then during his first year of residence at Calvin College creditably completes, in the respective departments of study concerned, courses which presuppose a satisfactory knowledge of the work for which advanced standing is asked.

4. When the applicant submits from an accredited high school, in excess of sixteen units for admission, credits in subjects which are also taught in college; provided that for at least one semester he successfully continues work in these subjects at Calvin College. The limit of such college credit allowance is six hours.

5. When the applicant submits credits from an accredited high school for work done after graduation, provided these credits are in courses taught in both high school and college. No more than ten hours will be allowed for a full semester’s work.

Admission to advanced standing does not excuse the student from meeting the specified requirements for graduation from Calvin College. For example, students entering as sophomores in the General College course must for graduation earn ninety-four honor points, those entering as juniors sixty-two and one-half honor points, those entering as seniors thirty-one honor points.

To students coming from other colleges not more than sixteen hours of credit will be allowed for every full semester’s work.

All advanced standing is subject to revision at the end of the first year of residence.

Students expecting advanced standing for work done at other institutions should bring full credentials, and should at the time of entrance consult the Dean.

Unclassified Students

Applicants for admission who are not candidates for graduation may be enrolled for such studies as their preparation qualifies them to pursue with profit. Such applicants should consult the Dean regarding arrangements.
STUDENT EXPENSES

Tuition and Other Fees

All tuition and other fees are charged by the semester, and must be paid to the College Treasurer during the first five days from the time of registration for the semester. To this rule there is one exception; as follows:

The graduation fee need not be paid till just before the time of admission to final examinations.

Gymnasium Fee. All students pay a gymnasium fee of two and one-half dollars each semester.

Organization Fee. All students pay an organization fee of two and one-half dollars each semester for the benefit of all-school activities.

Regular Tuition Fee. The regular tuition is seventy-five dollars a semester. For students who are members of a Christian Reformed Church and thus contribute indirectly to the support of Calvin College the tuition is as follows:

For students residing west of the Ohio River and east of the Mississippi the tuition is fifty dollars a semester.

For two students from one family residing west of the Ohio River and east of the Mississippi River the tuition fee for each is thirty-seven and one-half dollars a semester.

For students residing east of the Ohio River the tuition fee is thirty-three and one-half dollars a semester; for two students from one family residing in the region defined, the tuition fee for each is twenty-seven dollars a semester.

For students residing west of the Mississippi River but east of Montana, Wyoming, Colorado, and New Mexico, the tuition fee is thirty-three and one-half dollars a semester; for two students from one family residing in the region defined, the tuition fee for each is twenty-seven dollars a semester.

For students residing in Montana, Wyoming, Colorado, New Mexico, or in points west of these states, the tuition fee is seventeen and one-half dollars a semester.

For students in the pre-Seminary course the tuition will be the same as that charged students in other courses; upon admission to our Seminary, however, the excess paid over and above the rates specified in the College catalog of 1931 on page 21 (previously approved by the Board and Synod) will be credited toward tuition in the Seminary until absorbed.

In calculating the tuition fee, residence is determined as follows:

Residence of minors is that of their parents or legal guardians.

Residence of a married man is considered that of his established home during the semester preceding the date of registration.

Residence of all others is considered local.

Excess Hours. Students taking in excess of seventeen semester hours will be charged an extra fee of six dollars for each such excess semester hour.

Unclassified Student Fees. Unclassified students pay at the rate of six dollars for each semester hour.

Laboratory Fee. An extra fee is charged in some laboratory courses to cover cost of material, wear and tear of instruments, and the like. Amount of such laboratory fee is indicated in the catalog in the description of the specific courses.

Practice Fee. A practice fee of six dollars a semester is paid by students who register for practice teaching.

Graduation Fee. The general graduation fee, including diploma, is five dollars.

Late Registration. A fee of one dollar will be charged for late registration.

Refundment. No refunds will be made to any student expelled, suspended, or requested to withdraw on account of conduct or poor scholarship.

If a student withdraws voluntarily and in good standing within two weeks after the first day of enrollment, tuition and all fees except $5 to cover registration, will be refunded; if before the end of eight weeks, one-half of the total fees (tuition and miscellaneous fees) will be returned; and after eight weeks, no part will be refunded.

Living Expenses

Living expenses, including board, room rent, fuel, light, laundry, and text books, are from $350.00 up.

Board and Room with Private Families

Board in private families will cost from five to ten dollars a week.

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Those who engage private rooming places are expected to retain their rooms for one semester, unless prevented for good reasons.

Any student or prospective student who desires assistance in procuring a private rooming or boarding place, should apply to the Committee on Dormitory and Boarding Places, Calvin College. This committee constantly keeps on file a list of such places, and will do all in its power to obtain for the student the kind of place desired. Correspondence is cordially invited.

A city such as Grand Rapids offers splendid opportunities for self-support, especially for young women who desire to work for their room and board.

Girl students who wish to work for board and room should correspond with the Dean of Women, Calvin College, who will gladly render all possible assistance.

Board and Room at Calvin Dormitory

Male Students may obtain board and room at the college dormitory for $115.00 a semester and upward. Application for admission should be made to the Committee on Dormitory and Boarding Places, Calvin College. Since new applications are given preference according to time of filing, the applicant is advised to correspond with the committee as soon as he has made up his mind to reside at the Dormitory.

Applicants accepted for admission to the Dormitory are responsible for their rooms for one semester.

Admission to the Dormitory is regarded by the College authorities not as a right but as a privilege which may be withheld or withdrawn from any student whose presence at the Dormitory is not considered desirable.

Calvin Hall

A new venture in the form of a cooperative association has this year been launched by a number of our girls. A large house suitable to their purpose has been rented. The aim is to reduce living expenses. The project is under the auspices of the faculty and the girls are under the immediate supervision of a matron.

STUDENT AID

Scholarships and Prizes

University of Michigan State College Fellowship.—The following is taken from the Catalogue of the University of Michigan:

"By action of the Board of Regents each of the faculties of the accredited colleges of the State of Michigan is authorized to nominate each year to the administration office of the Graduate School some members of the graduating class or some one of their graduates of not more than four years standing as a suitable candidate for a State College fellowship or scholarship. An alternate may also be nominated in each instance."

Students wishing to make application for this fellowship should consult the Registrar of Calvin College not later than February 1.

Rhodes Scholarship.—Male students in the junior and senior years may apply for nomination to the Cecil Rhodes Scholarship. This Scholarship, tenable for three years, carries an annual honorarium of at least $1,500 for study at Oxford. Students wishing to compete should consult the Registrar before October 1, 1941.

For detailed information address Mr. Edgar H. Ailes, Penobscot Building, Detroit, Mich.

Freshman Scholarships. Each year Calvin College offers a scholarship, consisting of free tuition for the Freshman year, to a member of the graduating class in each of the five Christian High Schools (Eastern, Chicago, Grand Rapids, Holland, and Western), who is, recommended thereto by the faculty of that school, in accordance with the following conditions:

1. The recommendation shall be on the basis of scholarship, Christian character, personality, and promise of growth.
2. The recipient must have fulfilled regular college admission requirements.
3. The recipient shall complete one year of high school from which he graduates for at least his junior and senior years.
4. If in the opinion of the faculty of Calvin College no suitable candidate is available, no award shall be made in that particular year.
ALUMNI TUITION SCHOLARSHIP. — The Alumni Association annually offers a tuition scholarship to that member of the Sophomore class who in his Freshman year has shown himself to be deserving. The conditions are as follows:

1. The recommendation shall be on the basis of scholarship, Christian character, personality, and promise of growth.
2. The recipient should expect to complete his college work at Calvin College.
3. If in the opinion of the faculty no suitable candidate is available, no award shall be made in that particular year.

Prizes and Awards

ALUMNI PRIZE. The Alumni Association offers an annual prize of $15.00, based upon scholarship. For the year 1939-'40 the award was made for special excellence in the department of English. For the year 1940-'41 the award goes to the department of mathematics.

THE BEETS CALVINISM PRIZE. — Dr. and Mrs. Henry Beets have presented the College with $300.00, the income of which is to constitute a prize for the best essay or term paper on Calvinism, in any of its bearings, written each year by Calvin College students, and to be awarded at the discretion of the professor holding the chair of Calvinism, in consultation with the President of Calvin College, provided that if during any given year the professor named above does not consider the essays or papers submitted of sufficient merit to deserve the prize, the interest of such a year, or years, be added to the principal.

BETHANY, MUSKEGON, MISSION PRIZE. — Through the courtesy of the Men's Bible Class of the Bethany Church at Muskegon, a first prize of thirty dollars ($30.00) and a second prize of twenty dollars ($20.00) is offered annually for the two best essays on some missionary subject. Competition for these prizes is open not only to the college students, but also to those of the seminary. Essays must be handed in either to the college president or to Professor Volbeda, who are also ready to give further information regarding the conditions governing the awarding of this prize.

BROODMAN ORATORICAL PRIZES. — Through the generosity of Dr. G. J. Broodman of Grand Rapids, Michigan, gold, silver, and bronze medals are given annually to the winners of the first, second, and third prizes, respectively, in a men's oratorical contest. The first
prize winner represents Calvin in the state oratorical contest of the Michigan Intercollegiate Speech League held in March of each year.

**Heyboer Prize.** — Mr. G. A. Heyboer of Grand Rapids has given three prizes in oratory for women, of $15.00, $10.00, and $5.00. The first prize winner represents Calvin in the state oratorical contest of the Michigan Intercollegiate Speech League held in March of each year.

**The Rinck Memorial Prize.** — A fund of $500.00 has been subscribed by former students and friends of the late William Rinck, Professor of Mathematics at Calvin College, 1905 to 1920, the income of which is to be devoted to a prize in mathematics. The prize is awarded annually to the student who has done the best work in college algebra, analytical geometry, and calculus, provided the grade in each of these courses is at least "B."

**Placement Bureau**

A **Placement Bureau** which will effect the placing of prospective teachers, graduates from Calvin College, has been established. This Bureau keeps on file a list both of vacancies in the teaching forces in our Christian Schools throughout the country and of graduates who desire to teach. All correspondence for the Bureau should be addressed to: Placement Bureau, Calvin College. The services are given without charge.
ADMINISTRATION

Religious Culture

In Accord with its specific aim and with its belief that this aim cannot be attained unless the religious side of the student’s life receives due attention, the College makes religious instruction, either doctrinal or historical, compulsory for all classes of students. Ten hours of such religious instruction must be taken during the four college years in accordance with a set program.

Furthermore, all students are required to attend the devotional exercises held in the auditorium each school day at 9:40 A.M.

It is understood, too, that on the Sabbath every student worships regularly at some church of his own selection.

As often as is deemed necessary during the course of the college year the spiritual adviser has consultations with each student, the aim being to offer such help in the moral and spiritual life as the student may need.

The Hekman Memorial Library

The library contains more than 25,000 volumes. About 800 books are added yearly. All students and former students of Calvin College and Seminary are entitled to the full use of the library.

Physical Education

Every freshman student is required to take two hours of gymnastics or physical education per week. No credit is given for this work. Exemptions from this requirement are made only upon written request of the family physician or a statement from the Dean.

Attendance

The school year of thirty-six weeks is divided into two semesters of eighteen weeks each.

Two vacations are given during the year: a vacation of two weeks at the Christmas holidays, and a spring vacation of one week. Students are required to remain on duty until the last school exercise preceding a vacation is completed, and to be present at the hour of opening, after a vacation.

Grades and Honor Points

Report cards are sent out at the end of each semester.

In grading the work of students a literal system equivalent in honor points is used; as follows:

<table>
<thead>
<tr>
<th>MARK</th>
<th>INTERPRETATION</th>
<th>HONOR POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Exceptional.</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good or very good.</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Graduation average.</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Unsatisfactory; just passable.</td>
<td>1</td>
</tr>
<tr>
<td>E</td>
<td>Condition, which may be removed by re-examination.</td>
<td>Minus 1</td>
</tr>
<tr>
<td>F</td>
<td>Failure. No re-examination.</td>
<td>Minus 5</td>
</tr>
<tr>
<td>Inc.</td>
<td>Work not completed.</td>
<td></td>
</tr>
</tbody>
</table>

The mark E can be removed only by a re-examination passed with a grade of C or better. Such re-examination must be taken at the appointed time within the next semester. Responsibility for arranging for re-examination at the appointed time, for securing from the instructor concerned a signed removal slip without which no change is made in the Registrar’s entries, and for presenting such removal slip to the Registrar, lies with the student. Should the student fail to remove his condition, the mark E is automatically graded F.

For a course marked F a student can receive credit only by satisfactorily repeating the whole course.

If a student is absent from a final examination or the mark “No exam.” will be given. This mark must be removed by taking the examination at the time scheduled for re-examinations. Failure to do this results in an F for the course.

The mark Inc. signifies the absence of a certain amount of reading to be completed, or of papers to be handed in. This mark is given only in cases of prolonged illness and in emergencies, i.e., in circumstances which may reasonably prevent a student from completing his work on time, such as practice teaching, inability to obtain necessary books, etc. To remove a mark Inc. the student must secure credit for the course by satisfying the instructor within one year. Responsibility for securing such credit and for obtaining from the instructor concerned a signed removal slip without which no change is made in the Registrar’s entries, and for presenting such removal slip to the Registrar, lies with the student. Should a student fail to remove the mark Inc. within the allotted time, the mark automatically becomes F.

When the record of a student suggests doubt as to his fitness to do more advanced work in a particular department, his case is determined jointly by the Dean and the instructors concerned.
Examinations and Written Work

Regular examinations, in writing, are held at the close of each semester. In addition, tests and written recitations are given frequently during the year, with or without previous notice, at the option of the instructor.

Supplementary examinations for admission and for the removal of conditions are held on the first Friday and Saturday of the school year, and on the first Friday and Saturday after the spring vacation.

Term papers and book reports (not including weekly or bi-weekly assignments) shall be in three weeks before the final examinations.

Any student found guilty of dishonesty in any examination or test or required written work of any character, will be graded F in the course, besides being subject to discipline.

Dropping and Changing of Courses

After a student has enrolled for a study, he may not drop it without written permission of the Dean. A student may not change his course of study without permission from the Dean.

Class Visitors

Under certain conditions, students may attend classes as visitors or auditors. Permission to do so must be obtained from the office.

Dismissal

Admission to Calvin College is a privilege, not a right. This privilege may be withdrawn from any student whose presence is not regarded as desirable by the college authorities.

Requirements for Graduation

The college graduates or certifies students from the following courses: General College, pre-Seminary, Education, pre-Medical, pre-Law, pre-Engineering, pre-Business Administration, pre-Forestry, and pre-Nursing.

Every student (except those few who register as “Unclassified”) must, in addition to the physical education required of freshmen, fulfill the requirements of the course from which he elects to graduate. The requirements in each course are listed below.

By an hour of credit is meant in each case the equivalent of one recitation a week in one subject for one semester. The number of hours of credit given for a particular subject is indicated in the description of that subject to be found under Description of Courses.

By department is meant any one of the following: Art, Bible, Chemistry, Dutch, Economics and Sociology, Education, Engineering, English, French, German, Greek, History, Latin, Mathematics, Music, Organic Science, Philosophy, Physical Education, Physics, Political Science, Psychology, Public Speaking.

No diploma will be granted for less than one year’s resident work, which ordinarily must be the year immediately preceding graduation.

When no full course is completed, a statement is given of the studies which the student has successfully completed.

General College

1. Amount of Work. The student must complete 125 hours of work.

2. Grade of Work. The student must obtain a total of 125 honor points; in other words, must obtain an average grade of C.

3. Prescribed Work. Of the 125 hours required, the following are prescribed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 101, 102, 201, 202, 301</td>
<td>10</td>
</tr>
<tr>
<td>English 106, 108</td>
<td>6</td>
</tr>
<tr>
<td>French or German</td>
<td>8</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy (not including Psychology or Logic)</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science</td>
<td>10</td>
</tr>
<tr>
<td>Latin or Greek</td>
<td>6</td>
</tr>
</tbody>
</table>

A student who has had French or German in high school may have his number of hours prescribed in college reduced by four hours for each of the first two units of high school work.

A student who has had Latin or Greek in high school may have his number of hours prescribed in college reduced by four hours for each of the first two units of high school work.
In any case, one year of French or German, or one year of Latin or Greek must be taken in college.

4. DISTRIBUTION OF WORK. MAJORS AND MINORS. To insure proper distribution of the student's work, the departments of study have been divided into three groups; as follows:

<table>
<thead>
<tr>
<th>Group I</th>
<th>Art, Dutch, English, French, Greek, Latin, Music, Public Speaking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group II</td>
<td>Chemistry, Mathematics, Physics, Organic Science, Psychology.</td>
</tr>
<tr>
<td>Group III</td>
<td>Bible, Economics and Sociology, Education, History, Philosophy, Political Science.</td>
</tr>
</tbody>
</table>

The student must so distribute the total 125 hours (including, therefore, those prescribed) among the three groups that he complies with the following restrictions:

a. The student must choose one of these three groups as his major and another group as his minor.

b. In his major group the student must choose two departments in one of which he completes a sequence of at least twenty-one hours and in the other of which he completes a sequence of at least twelve hours (or fifteen hours if he desires a Teachers' Certificate). Besides, he must take an additional three hours in either of these two departments. The total number of hours required in the major group is, therefore, thirty-six.

c. In his minor group the student must choose one department in which he completes a sequence of twelve hours. Besides, he must take an additional six hours within his minor group. The total number of hours required in the minor group is, therefore, eighteen.

d. Should a student choose Group II as his major or his minor group, and should he further choose Psychology as a sequence in this group, nine hours of Psychology and three hours of Logic will be accepted as a twelve-hour sequence.

e. At least one-half of the work taken in residence beyond the sophomore year must be in courses not open to freshmen.

5. DEGREE. On satisfactory completion of this course, the student will receive the degree of bachelor of arts.

6. STATE TEACHERS' PROVISIONAL CERTIFICATE. To be eligible for recommendation for a State Teachers' Provisional Certificate the student must in graduate work have to his credit a total of 125 hours. The requirements for the State Elementary Provisional-Permanent Certificate are given under Education. See 3a (1), (2), (3), b and c and 4.

For requirements for the State Secondary Provisional-Permanent Certificate, see under Education 3a (1), (2), b and d, and 4.

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Pre-Seminary

1. AMOUNT OF WORK. The student must complete 125 hours of work.

2. GRADE OF WORK. The student must obtain a total of 125 honor points; in other words, must obtain an average grade of C. To receive in addition the faculty's recommendation for admission to Calvin Seminary, the student must obtain one and one-third times as many honor points as hours of credit.

3. PRESCRIBED WORK. The following 115 or 116 hours of work are prescribed:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 201, 202, 301, 302</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry 200</td>
<td>2</td>
</tr>
<tr>
<td>Dutch</td>
<td>15</td>
</tr>
<tr>
<td>English incl. 109, 104</td>
<td>15</td>
</tr>
<tr>
<td>English incl. 200, 201, 202</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>8</td>
</tr>
<tr>
<td>Latin 201 and 202</td>
<td>8</td>
</tr>
<tr>
<td>Math. 200</td>
<td>2</td>
</tr>
<tr>
<td>Org. Science 205 and 306</td>
<td>4</td>
</tr>
<tr>
<td>Philosophy 204, 304</td>
<td>3</td>
</tr>
<tr>
<td>Physics 300</td>
<td>2</td>
</tr>
<tr>
<td>Public Speaking/English 104</td>
<td>8</td>
</tr>
<tr>
<td>Sociology 103</td>
<td>8</td>
</tr>
</tbody>
</table>

The student who is deficient in the two units of high school German required for admission to the pre-Seminary course will be required to take German 101 and 102.

4. ELECTIVES. None of the elective hours may be applied for meeting any deficiencies in high school subjects which the student may have on admission to the course.

5. DEGREE. On successful completion of this course, the student will receive the degree of bachelor of arts.

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Education

1. AMOUNT OF WORK. A total of 125 hours of work must be completed.

2. GRADE OF WORK. At least 125 honor points are required.

3. PRESCRIBED WORK. To earn the degree of bachelor of arts in education for recommendation for a Michigan State Teachers' Provisional Certificate the student must complete:

   a. The State Department of Education requirements:
      (1) Education 201-202; 203 or 403 or 303; or 313 or 813 or 815 or 817; a method course (see below) and 483, 485, 488. A total of 20 hours.
      (2) A major field of 24 hours and two minors of 15 hours each, in subjects or subject fields in which the student expects to teach. A total of 64 hours.

     Students intending to teach in the elementary grades are advised to choose four minors, two of which must be in subjects or subject fields taught in elementary grades.
4. The State Board of Education in Michigan upon graduation gives Provisional Certificates valid for five years, to be converted into a Permanent Certificate after three years of successful teaching on the elementary level or on the secondary level within the five-year period defined by the validity of the provisional certificate.

To satisfy the obvious intent of the State, to meet the needs of the pupils on a specific level, and to help facilitate the work of the Calvin Placement Bureau, students are even now advised to prepare definitely for the elementary or for the high school level. Those who at first set out to earn a General A.B. and later change to an A.B. in Education may meet serious difficulties because of different sets of requirements for the two degrees.

5. Degree. On satisfactory completion of this course the student will receive the degree of bachelor of arts in education, and will be recommended for a State Teachers' Provisional Certificate.

IMPORTANT DIRECTIONS TO HOLDERS OF LIMITED CERTIFICATES BASED ON THE MICHIGAN TEACHERS' CERTIFICATION CODE

CAUTION: No person can be employed to teach in any school district unless he is legally qualified by holding a valid certificate. In order that the holder of any limited certificate may retain without interruption his status as a legally qualified teacher, he must make application for renewal to the State Board of Education between April 1 and September 1 of the year the certificate expires; if the candidate on the expiration of the certificate does not arrange for renewal as here stated, he will forfeit his status as a legally qualified teacher, and therefore will not be permitted to teach. He will, however, remain eligible to make application for renewal until June 30 of the year following expiration of his certificate after which date renewal privileges are canceled.

A. To the holder of the State Limited Certificate or of the State Limited Renewal Certificate.

1. To the holder of a State Limited Certificate may be issued (five times) a State Limited Renewal Certificate provided the candidate shall have met the following conditions:

(a) Subsequent to the date of issue of the last certificate held, the candidate must have acquired 10 semester hours of credit, of an average grade of "C" or better, earned in an institution or accepted by an institution approved by the State Board of Education. These credits must be applicable toward the requirements of the curriculum prescribed for the State Provisional Certificate eventually desired. Not less than 5 semester hours must be earned in residence; the remainder may be earned in extension study but of this not to exceed 3 semester hours may be correspondence study credit.

(b) In order to assure that the credits earned toward renewal will apply to the State Provisional Certificate curriculum at the institution where the candidate intends to qualify eventually for that certificate, the candidate should arrange in advance in each case to have his course selections approved by that institution. Also all credits wherever earned should be submitted to that institution for evaluation and if it-transmitted to the State Board of Education with recommendations.

2. The above statement was approved by the State Board of Education.
Pre-Medical and Pre-Dental

1. AMOUNT OF WORK. The student must complete 94 hours of work.

2. GRADE OF WORK. The student must obtain a total of 94 honor points; in other words, must obtain an average grade of C except that to be eligible for the degree of bachelor of arts he must in the three years of residence obtain a total of 125 honor points, representing an average of C+.

3. PRESCRIBED WORK. The following courses are prescribed:

   **Freshman Year**

   **First Semester**
   - Bible 201 ........ 2 hours
   - Chemistry 101 or 102 ........ 4 hours
   - English 103 ........ 3 hours
   - Organic Science 101 ........ 3 hours
   - History 206 ........ 3 hours
   - Total ........ 17 hours

   **Second Semester**
   - Bible 202 or 104 ........ 4 hours
   - Chemistry 102 or 104 ........ 4 hours
   - English 104 ........ 3 hours
   - Mathematics 104 ........ 3 hours
   - Organic Science 202 ........ 3 hours
   - History 208 ........ 3 hours
   - Total ........ 17 hours

   **Sophomore Year**

   - Bible 203 ........ 2 hours
   - Chemistry 202 ........ 4 hours
   - French or German ........ 3 hours
   - Organic Science 201 ........ 3 hours
   - Physics 201 ........ 4 hours
   - Total ........ 16 hours

   **Junior Year**

   - Bible 201 ........ 2 hours
   - Chemistry 201 ........ 3 hours
   - English or elective ........ 3 hours
   - Organic Science 212 ........ 3 hours
   - Psychology 213 or elective ........ 3 hours
   - Total ........ 15 hours

   Pre-Medical students are strongly advised to take a full college course.

   Trigonometry presupposes one and one-half units of Algebra.

   If the student has had French or German in high school, the number of hours prescribed in the College may be reduced by four hours for each of the first two units of work. But one year of either French or German must be taken in college.

   Since modern language requirements for admission into medical schools vary widely, medical students are advised to consult the office in respect to them.

   Bible 201 can, at the option of the student, be accredited as philosophy.

4. DISTRIBUTION OF ELECTIVES. The number of hours of electives will vary according to the nature of the student’s high school preparation in French or German. For their electives students should choose such subjects as are required for admission to the medical school which they expect eventually to attend.

5. DIPLOMA. On satisfactory completion of this course the student will receive a three-year diploma.

6. DEGREE. On satisfactorily completing this course with a record of not less than 125 honor points received in the required ninety-four hours, the student is eligible for the degree of bachelor of arts. He will receive this degree after one year of successful work in a recognized medical school.

A two-year pre-dental course is provided for those who desire it, but universities give preference for admission to students who have completed the three-year pre-dental course.

**Four-Year Pre-Medical Course**

1. AMOUNT OF WORK. The student must complete 125 hours of work.

2. GRADE OF WORK. The student must obtain a total of 125 honor points; in other words, must obtain an average grade of C.

However, for admission to some medical schools an average grade equivalent to one and one-half honor points is required.

3. PRESCRIBED WORK.

   a. The student must meet the prescribed course requirement as well as the major and minor group requirement for the General College A.B. course.

   b. The student must meet the prescribed course requirement of the Three-Year pre-Medical Course, and, if possible, in the same order.

4. DISTRIBUTION OF ELECTIVES. The number of electives will vary according to the nature of the student’s high school preparation in French and German. Not less than 12 hours of his elected courses over and above the courses prescribed under 3 (above), but including Philosophy, must be in Groups I and III. The student is urged to elect Organic Science 203 and 106 and Chemistry 202 and 307.
Pre-Law

1. AMOUNT OF WORK. The student must complete 94 hours of work.

2. GRADE OF WORK. The student must obtain a total of 94 honor points; in other words, must obtain an average of C, except that to be eligible for the degree of bachelor of arts the student must obtain 125 honor points, representing an average of C+.

3. PRESCRIBED WORK. Of the 94 hours required, certain hours are prescribed; as follows:

**Freshman Year**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 101</td>
<td>Bible 102</td>
</tr>
<tr>
<td>2 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>English 103</td>
<td>English 104</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Latin</td>
<td>Elective</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Mathematics or Science</td>
<td>3 hours</td>
</tr>
<tr>
<td>Psychology</td>
<td>Mathematics or Science</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>2 hours</td>
<td>2 hours</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Bible 201</th>
<th>Bible 202</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>English</td>
<td>English</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>History 203</td>
<td>History 204</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Latin, French or German</td>
<td>Latin, French or German</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Political Science</td>
<td>Political Science</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Sociology 205</td>
<td>Sociology 204</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Bible 301</th>
<th>English</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>English</td>
<td>English</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>History 301</td>
<td>History 302</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Latin, French or German</td>
<td>Latin, French or German</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Political Science</td>
<td>Elective</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>2 or 3 hours</td>
<td>2 or 3 hours</td>
</tr>
</tbody>
</table>

A student who has had French or German in high school may have his number of hours prescribed in college reduced by one hour for each of the last two units of high school work. But one year of French or German must be taken in college.

Since modern language requirements for admission into law schools vary widely, students are advised to consult the office with respect to them.

4. DISTRIBUTION OF ELECTIVES. The number of hours of electives will vary according to the student's high school preparation in languages. For their electives students should choose such subjects as are required for admission in the law school which they expect eventually to attend.

5. DIPLOMA. On satisfactory completion of this course the student will receive a three-year diploma.

6. DEGREE. On satisfactorily completing this course with a record of not less than 125 honor points received in the required 94 hours, the student is eligible for the degree of bachelor of arts. He will receive this degree after one year of successful work in a recognized law school.

Some law schools require an average grade equivalent to one and one-half honor points per hour of credit.

Pre-Engineering Course

Normally four semesters of work at a recognized school of engineering, in addition to the three-year course here outlined, are necessary to finish a regular engineering course.

1. AMOUNT OF WORK. The student must complete 94 hours of work.

2. GRADE OF WORK. The student must obtain a total of 94 honor points; in other words, must obtain an average grade of C.

3. PRESCRIBED WORK. Of the 94 hours required, the following are prescribed:

**Three-Year General Pre-Engineering Course**

**Freshman Year**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 101 or 102</td>
<td>4 hours</td>
</tr>
<tr>
<td>4 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>English 103</td>
<td>Mathematics 103</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>History 103</td>
<td>English 104</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Latin, French or German</td>
<td>Latin, French or German</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Political Science</td>
<td>Electrical Science</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Sociology 203</td>
<td>Sociology 204</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Economics 201</th>
<th>Economics 202</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Mathematics 203</td>
<td>Mathematics 204</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Drawing 201</td>
<td>Physics 202E</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
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<tr>
<td>Physics 201</td>
<td>Physics 204</td>
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<tr>
<td>3 hours</td>
<td>3 hours</td>
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<tr>
<td>Physics 203</td>
<td>Elective</td>
</tr>
<tr>
<td>1 hour</td>
<td>2 hours</td>
</tr>
<tr>
<td>Engineering &quot;207&quot;</td>
<td>2 hours</td>
</tr>
<tr>
<td>2 hours</td>
<td>15 hours</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Bible 201</th>
<th>Bible 202</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>Chemistry 201</td>
<td>Mathematics 202</td>
</tr>
<tr>
<td>4 or 5 hours</td>
<td>5 hours</td>
</tr>
<tr>
<td>Mathematics 301</td>
<td>Mathematics 302</td>
</tr>
<tr>
<td>5 hours</td>
<td>5 hours</td>
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<tr>
<td>Engineering &quot;207&quot;</td>
<td>Elective</td>
</tr>
<tr>
<td>3 hours</td>
<td>3 hours</td>
</tr>
<tr>
<td>Elective</td>
<td>Modern Physics 304</td>
</tr>
<tr>
<td>3 hours</td>
<td>16 or 17 hours</td>
</tr>
</tbody>
</table>

* Surveying offered every even year.
Three-Year Chemical Pre-Engineering Course

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Chemistry 201 or 103</td>
<td>4</td>
<td>Bible</td>
<td>2</td>
</tr>
<tr>
<td>English 101</td>
<td>3</td>
<td>Chemistry 102 or 104</td>
<td>4</td>
</tr>
<tr>
<td>Drawing 101</td>
<td>3</td>
<td>English 104</td>
<td>3</td>
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<tr>
<td>Mathematics 103</td>
<td>3</td>
<td>Drawing 102</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking 103</td>
<td>2</td>
<td>Mathematics 104</td>
<td>3</td>
</tr>
</tbody>
</table>

15 hours

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Chemistry 201</td>
<td>5</td>
<td>Bible</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics 201</td>
<td>4</td>
<td>Chemistry 202</td>
<td>5</td>
</tr>
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<td>Mathematics 202</td>
<td>4</td>
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<td>Physics 201E</td>
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<tr>
<td>Physics 205</td>
<td>1</td>
<td>Physics 204</td>
<td>1</td>
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</table>

17 hours

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 301</td>
<td>2</td>
<td>Chemistry 304</td>
<td>3</td>
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<tr>
<td>Chemistry 301</td>
<td>4</td>
<td>Economics 202</td>
<td>3</td>
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<tr>
<td>Economics 301</td>
<td>3</td>
<td>Mathematics 302</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 301</td>
<td>5</td>
<td>Statistics 202</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Modern Physics 304</td>
<td>3</td>
</tr>
</tbody>
</table>

17 hours

In case the student has no credit in Advanced Algebra, Mathematics 101 must be taken, and in that event Mathematics 103 must be taken in the Sophomore year instead of Economics 201, which in turn must be postponed until the Junior Year.

In case the student has no credit in Solid Geometry, he should arrange to take Mathematics 102, if possible.

Electives must be chosen in consultation with the Dean.

4. **Diploma.** On satisfactory completion of either course the student will receive a three-year diploma.

5. **Degree.** On satisfactorily completing either course with a record of not less than 125 honor points received in the required 94 hours, the student is eligible for the degree of bachelor of arts. He will receive this degree after one year of successful work in a recognized engineering school.
Pre-Business Administration Course

For students interested in Business Administration the following two-year course has been arranged:

**Freshman Year**

**FIRST SEMESTER**

- *Bible* .......................................................... 2 hours
- *English 103* .................................................. 3 hours
- *Lab. Science* ................................................. 4 or 5 hours
- *Foreign* .......................................................... 2 hours
- Two of the following:
  - Mathematics, Foreign
  - Language, History,
  - Geography .............................................. 6 hours

**SECOND SEMESTER**

- *Bible* .......................................................... 2 hours
- *English 104* .................................................. 3 hours
- *Lab. Science* ................................................. 4 or 5 hours
- *Foreign* .......................................................... 2 hours
- Two of the following:
  - Mathematics, Foreign
  - Language, History,
  - Geography .................................................. 6 hours

**Sophomore Year**

- *Bible* .......................................................... 2 hours
- *Economics 201* ............................................. 3 hours
- *Economics 301 or 303* ................................... 3 hours
- *Psychology 201* ............................................ 3 hours
- *Public Speaking 103* .................................... 3 hours
- *Electives* .................................................... 3 hours

**Note:** This course is arranged to enable the student to meet the requirements of schools such as the Northwestern School of Commerce which begin their commerce courses in the Junior Year. Students who wish to remain at Calvin three years and to enter Northwestern in their Senior year will have to take certain courses at the Grand Rapids Junior College and will have to attend one summer session at Northwestern in order to get their degree there at the end of the Senior year. Such institutions as the University of Michigan and Harvard University require an A, B. degree for admission to their Commerce Schools. Graduates of Calvin can enter such schools without any real deficiency. The starred subjects represent the required courses.

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*Pre-Forestry*

The following constitutes a recommended two-year Pre-Forestry Course. The student should complete 64 hours of work. He should choose such subjects as are required for admission to the particular school of forestry which he expects eventually to attend. The final arrangement of his course should have the approval of the Dean.

**Freshman Year**

**FIRST SEMESTER**

- Chemistry 101 or 103 ..................................... 4 hours
- Physics 101 .................................................. 3 hours
- English 103 ................................................... 3 hours
- Mathematics 102 ............................................ 3 hours
- Organic Science 101 ...................................... 2 hours
- *Organic Science 205 or Engineering 207* ........... 2 hours

**SECOND SEMESTER**

- Biology 102 .................................................. 2 hours
- Chemistry 102 or 104 .................................... 4 hours
- English 104 ................................................... 3 hours
- Mathematics 104 ............................................ 3 hours
- Organic Science 202 ...................................... 4 hours

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Sophomore Year

First Semester
Bible 201 2 hours
Economics 201 3 hours
Organic Science 201 4 hours
Physics 201 4 hours
Organic Science 206 or Engineering 207 2 hours
Public Speaking 101 3 hours

Second Semester
Bible 202 2 hours
Economics 202 3 hours
Mathematics 206 4 hours
Organic Science 206 2 hours
Physics 202 4 hours

* Since Engineering 207 (Surveying) is taught every year, students starting in September of the even years should take this course during their freshman year. Other students take Organic Science 205 during the freshman year.

Pre-Nursing

For students interested in Nursing, the following one-year course has been arranged to meet the requirements for admission to Blodgett hospital:

First Semester
Bible 101 2 hours
Chemistry 101 3 hours
Hygiene 101 2 hours
Psychology 201 2 hours

Second Semester
Botany 108 3 hours
Anat. and Physiology 2 hours
Drugs and Solutions 3 hours
Nutrition (at G. R.) 3 hours
Junior College 3 hours

16 hours 16 hours

Upon completion of this course and twenty-eight months of training at Blodgett Hospital, the student will receive the R. N. degree.

* * * * * *

For students who wish to enter Butterworth Hospital the following subjects are suggested:

English Composition 6 hours
Chemistry 4 hours
European History 3 hours
Psychology 1 year

Public Speaking 4 hours
Sociology 3 hours
Zoology 4 hours
Electives 4 to 6 hours

For electives the student is advised to choose History, English Literature or Science.

Upon completion of this course and three years of training at Butterworth Hospital the student will be entitled to the R. N. degree.

DESCRIPTION OF COURSES

Art

Courses 321 and 322 may be credited in the Dutch department. They are of great benefit to teachers and students of history and literature. 227.

PHILOSOPHY

Three hours

Theory and practice. Freeman system. Blackboard writing also included. No college credit given for this course.

Industrial Art

Three hours

Art education in the elementary school will be treated in the manner of Mathias' The Teaching of Art.

Creative Experience in the Arts

Three hours

This course is planned particularly for the classroom teacher. It will consist of illustrated lectures, discussions on both art and education and experience in working with art materials.

Art Appreciation

Three hours

This course will consist of lectures, reading, and a study of art objects, paintings, pottery, textiles, etc. There will be a limited amount of hand work centering on individual problems.

Flemish Painting

Three hours

A course in the Flemish and Dutch primitives and Italian masters, followed by a discussion of the Flemish Renaissance painters with emphasis on Rubens and Van Dyck. The course is analytical as well as historical. Lectures, collateral reading, and reports. Not open to freshmen.

Dutch Painting

Three hours

A course in Dutch painting from the Renaissance to modern times. The emphasis is placed on the seventeenth century. Lectures, collateral reading, and reports. Not open to freshmen.

Bible

101. INTRODUCTION TO THE BOOKS OF THE BIBLE

Two hours

A general introduction to the Bible as a whole, in which its origin, nature, canonicity, authority, organic unity, revelation and inspiration, and related subjects are investigated. A specific introduction, inquiring into the contents, historical setting, literary form, and especially the permanent ethical and religious values of a few of the individual books.

102. INTRODUCTION TO THE BOOKS OF THE BIBLE

Two hours

Continuation of 101.

104. BIBLE HISTORY

Two hours

A study of the important men and events of Old Testament history up to the time of the Babylonian Captivity, viewed from the standpoint of special revelation.

201. REFORMED DOCTRINE

Two hours

An advanced course of study in the doctrines of the Christian religion as contained in the Bible and as reflected in the confessional standards of the Reformed Churches.

202. REFORMED DOCTRINE

Two hours

Continuation of 201.
301. Studies in Calvinism
   Two hours
   An inquiry into the origin and nature of Calvinism, its influence upon the development of religion and political life, as well as the proper application of its principles to these spheres. The course consists of lectures, assigned readings, and essays. Open to Juniors and Seniors. To others only by special permission.

302. Hebrew Culture
   Two hours
   A study of the geographical, social, civic, and religious customs of the Hebrews, and of the peoples among whom they lived when the Bible arose.

Chemistry

101. General Inorganic Chemistry
   Four hours
   Three hours in class-room and one laboratory period of four hours per week. Laboratory fee, $2.00. Breakage fee, $5.00. Prerequisite: no previous training in chemistry required.

102. General Inorganic Chemistry
   Four hours
   Continuation of 101. Hours, texts, and fees the same.

101N. Chemistry for Nurses
   Four hours
   A one-semester course designed for students in the pre-nursing course. A survey of inorganic, organic, and biological chemistry as applied to the field of medicine. No prerequisites. Three lectures and one laboratory period per week. Laboratory fee $2.00. Breakage fee $5.00.

103. General Inorganic Chemistry
   Four hours
   Three hours in class-room and one laboratory period of four hours per week. Laboratory fee, $3.00. Breakage fee, $5.00. Prerequisite: high school chemistry.

104. General Inorganic Chemistry
   Four hours
   Continuation of 103. Hours, texts, and fees the same.

201. Qualitative Analysis
   Four hours
   Two hours of class-room work, one quiz period, and two laboratory periods of three hours each per week. Laboratory fee, $3.00. Breakage fee, $5.00. Prerequisites: 102 and 104, or 101 and 102.

202. Qualitative Analysis
   Four hours
   Two hours in the class-room and from eight to ten hours of laboratory work per week. Laboratory fee, $5.00. Breakage fee, $6.00. Prerequisites: 201.

301. Organic Chemistry
   Four hours
   Two or three hours of class-room work, one quiz period and two laboratory periods of three hours each per week. Laboratory fee $3.00. Breakage fee, $5.00. Prerequisite: general inorganic chemistry.

302. Organic Chemistry
   Four hours
   Continuation of 301. Hours and fees the same. This course deals primarily with aromatic compounds. Prerequisite: general inorganic chemistry and 301.

306. Survey Course
   Two hours
   This course will deal with the history of the development of chemistry, its relation to other sciences, its theories and its methods, as well as its efforts to explain the constitution of matter. Two lectures per week. Not open to freshmen or chemistry majors.

307. Physical Chemistry
   Four hours
   A seminar course designed to satisfy requirements for medical school and to acquaint the student with fundamental principles, such as kinetic theory of gases, liquids, solutions, conduction, and electro motive force measurements. Three lectures and one laboratory period per week. Laboratory fee, $3.00. Breakage fee, $5.00. Prerequisite: Chemistry 201.

308. Theoretical Chemistry
   Two hours
   A course emphasizing both the older and more recent theories and laws of inorganic and organic chemistry for the purpose of bringing them into a more unified whole. Prerequisites: Chemistry 201 and preferably Physics 201 and 202.

310. Qualitative Organic Analysis
   Four hours
   One and one-half hours of lecture and three laboratory periods per week. This course is based on Shriver and Fuesen's text. Prerequisite: Chemistry 202.

320. Teaching Methods
   One hour
   Methods of teaching chemistry in secondary schools. Prerequisite: two years of chemistry.

Dutch

A. Dutch Language

161. Elementary Grammar
   Three hours
   Conjugations and declensions. Required outside reading. Four hours is required of those whose reading knowledge of Dutch is deficient.

162. Advanced Grammar
   Three hours
   Review. Full declensions. Syntax. Required outside reading. In class some Dutch works are read.

201. Elementary Dutch Reading
   Two or three hours
   This course will acquaint the student with the more easy vocabulary of Dutch as found in romances, authors in some modern Dutch authors, and in folklore. 1841-43.

202. Conversational Dutch
   Two or three hours
   An effort is made in this course to get students acquainted with the conversational vocabulary as it is found in the Dutch Language Course.

203. Modern Dutch Reading
   Two or three hours
   This course is a continuation of 201. It aims at building up a modern Dutch vocabulary to enable students to read modern Dutch fiction, poetry, and essays. 1840-42.

303. Dutch Renaissance
   Three hours
   The literature of the Netherlands, period of the Reformation and the Golden Age, is read and some of the leading authors are discussed. Composition and book reports. 1840-41.

305. Dutch Romanticism
   Three hours

306. Modern Literature
   Three hours
   Note: Courses 101, 102, 103, 305, and 306 and Dutch history 322 are required of those who take the pre-Seminary course.
   For courses 203, 366, and 305 may be substituted 201, 202, and 303.
322. DUTCH CIVILIZATION
Two or three hours
A review course in the history of Dutch civilization covering the whole field, but with emphasis on the rise of Calvinism in the early modern period and on the revival of Calvinism in the nineteenth and twentieth centuries. 1400-1945.

323. THE EARLY MIDDLE AGES (400-1000)
Three hours
The rise of Christianity and the Carolingian Empire and the rise of Mohammedanism are discussed after a short review of Greek and Roman civilization. Special attention is paid to the Netherlands during the Roman and Frankish periods. Given in 1940-41.

324. FIRST RENAISSANCE (1000-1550)
Three hours
The Central Middle Ages: Feudalism; France, Germany, and Italy in the feudal period; crusades; rise of cities especially in Italy and the Netherlands; rise of guilds and democracy; rise of universities, new monasticism, Gothic art, and Romantic literature; Dante. Given in 1940-41.

325. SECOND RENAISSANCE AND REFORMATION (1550-1658)
Three hours

326. THIRD RENAISSANCE AND REVOLUTION (1668-1815)
Three hours
The Eighty Years' War. The Dutch Golden Age and its influence on Europe. Dutch commerce and colonization. Wars between the Netherlands and other countries for religious and commercial purposes. The triumph of tolerance and rationalism in the eighteenth century. The spirit of the French Revolution manifested in Holland. The rebirth of Calvinism as a political and cultural power after 1688. Given in 1941-42.

331. FLEMISH PAINTING
Three hours
The Flemish and Dutch primitives and Italian artists between 1450 and 1600; Rubens and Van Dyck and their schools. The course is analytical as well as historical.

332. DUTCH PAINTING
Three hours
The Dutch Renaissance (1560-1700) and the modern Dutch painters.

Economics and Sociology
The courses in economics and sociology are considered as belonging to one department. To avoid confusion in enrolling, the student will please indicate carefully both the number and the name of the course desired.

105. GEOGRAPHY OF NORTH AMERICA
A survey of the elements of the natural environment of the major regions of the United States and Canada in their relationship to the cultural landscape. Intended for those specializing in education or in the social sciences.

106. GEOGRAPHY OF SOUTH AMERICA
A study of the geographic structure of South America in relation to human adjustment and culture. Intended for those specializing in education or in the social sciences.

201. PRINCIPLES OF ECONOMICS
Three hours
A review of the fundamental principles underlying modern economic life. Not open to freshmen except by special permission. Students electing 201 are expected to take 202.

202. PRINCIPLES OF ECONOMICS
Three hours
A continuation of the principles of economics and an application of the same to current industrial problems and institutions.

301. SOCIOLOGY
Three hours
A study of the underlying social relationships with a view to bringing out the essential oneness of the individual and society; including a discussion of the biological and psychological approaches to the study of society, human nature, public opinion, social organization, democracy, etc. Not open to freshmen, except by special permission.

302. SOCIAL PROBLEMS
Three hours
A continuation of 301 with a further application of the principles of sociology to the outstanding social institutions; including a discussion of the more prominent of the present-day social problems.

303. (Economics) THE FINANCIAL ORGANIZATION OF SOCIETY
Three hours
A study of the nature and functions of money, with a view to the understanding of the complex role of currency systems in our national and international life. A detailed study of the functions of banking, the Federal Reserve, private financial institutions, foreign trade, and so forth. Prerequisite: 201 and 202 or their equivalents.

304. (Economics) BUSINESS ORGANIZATION AND COMBINATION (Corporation Finance)
Three hours

305. (Economics and Sociology) LABOR PROBLEMS AND TRADE UNIONISM
Three hours
The historical background of the modern labor movement, the controversies between capital and labor, and the various solutions offered. A careful study of the history, nature, and problems of trade unionism. Prerequisite: 201 and 202, or 203 and 204.

306. (Sociology) THE FAMILY
Two or three hours
This course will be adapted to suit the needs of the students. It aims, however, at an intensive study of the history of the family as a social and educational institution, and at a thorough discussion of the divorce problem and other problems connected with modern family life. Prerequisites: 203 and 204, or their equivalents.

307. (Sociology) EDUCATIONAL SOCIOLOGY
Three hours
This course is offered in the department of Education.

308. (Economics) PRINCIPLES OF MARKETING
Three hours
A study of the marketing functions, the marketing of particular commodities, the functions and modes of operation of middlemen, associate activities affecting marketing, price policies, etc. Given in 1940-41.
SOCIETY STUDENTS INTERESTED IN SOCIAL WORK HAVE THE OPPORTUNITY OF DOING VOLUNTEER CASE WORK FOR AGENTS AFFILIATED WITH THE GRAND RAPIDS COMMUNITY CHEST. WHERE SATISFACTORY ARRANGEMENTS HAVE BEEN MADE, THE COLLEGE ALLOWS ONE HOUR OF CREDIT PER SEMESTER FOR SUCH WORK.

STATISTICS
A course in statistics is offered in the mathematics department.

EDUCATION

A. PSYCHOLOGY
(See description of courses under department of Psychology.)

B. HISTORY

203. HISTORY OF AMERICAN EDUCATION
Three hours
In this course the educational development in our country will be viewed in the light of the religious, social, economic, and political changes.

206. HISTORY OF EDUCATION
Three hours
A survey of the growth of educational theory and practice during the ancient and medieval periods.

208. HISTORY OF EDUCATION
Three hours
A continuation of 206 covering the modern period.

309. EDUCATIONAL SOCIOLOGY
Three hours
A study of the social structure and educational practice with emphasis on present-day problems. Credit also for Sociology. But not for both.

C. PRINCIPLES

301. PRINCIPLES OF EDUCATION
Three hours
A study of the aim of education and of the various underlying problems.

302. PRINCIPLES OF GUIDANCE
Two hours
Deals with personal, recreational, educational, and vocational guidance of youth.

312. PRINCIPLES OF SECONDARY EDUCATION
Two hours
In this course a survey is given of the secondary school as an institution, its students and its curriculum.

314. PRINCIPLES OF TEACHING IN THE SECONDARY SCHOOLS
Three hours
The principles of teaching will be discussed in the light of Morrison's *The Practice of Teaching in the Secondary Schools*. The teaching techniques in each of the types of subjects in the curriculum are analyzed.

315. PRINCIPLES OF TEACHING IN THE ELEMENTARY SCHOOLS
Three hours
Principles governing the directing of learning of children in the elementary school will be taken up.

317. PRINCIPLES OF KINDERGARTEN-PRIMARY GRADES TEACHING
Two hours
The following units will be taken up: a brief history of the kindergarten past and present; the capital of the child in the kindergarten and primary grades; and the content of the curriculum with special emphasis on project teaching.

D. TECHNICAL COURSES

220. TEACHING ARITHMETIC IN ELEMENTARY SCHOOLS
Three hours
Both content and methods in arithmetic throughout the grades will be considered.

222. TEACHING MUSICAL IN THE ELEMENTARY SCHOOLS
Two hours
The student will get practice to lead a class in the elementary school in singing as the major part of teaching techniques in elementary school music. Demonstration lessons will be observed by the class as a whole.

207. SCHOOL ADMINISTRATION
Three hours
This course aims to discuss the organization and management of state and local school systems.

310. EDUCATIONAL MEASUREMENTS
Three hours
A survey course of present-day practices of measuring the results of teaching and of mental testing.

320. TEACHING MATH IN ELEMENTARY SCHOOLS
Two hours

321. TEACHING GEOGRAPHY IN ELEMENTARY SCHOOLS
Two hours

322. TEACHING READING AND CHILDREN'S LITERATURE IN ELEMENTARY SCHOOLS
Three hours
A brief survey of the history of our country will be fused with a study of the techniques of teaching history in the elementary and junior high grades. This course includes political science as applied in the United States.

328. TEACHING ENGLISH IN SECONDARY SCHOOLS
One, two, or three hours
Content as well as method receives attention. Same as English 380m. Two hours devoted to content; one to method.

329. TEACHING LATIN
Three hours
Same as Latin 327 and 328 combined.

340. CURRICULUM
Two or three hours
Emphasis on social studies in the middle grades.

341. DIRECTED OBSERVATION OF TEACHING AND LESSON PLANNING
Three hours
About eighteen hours are spent in the schools of Grand Rapids with specific instructions for directed observation. Each student is required to write four extensive reports. For students planning to teach in the elementary schools. To be taken the first semester of their senior year.

342. DIRECTED OBSERVATION AND LESSON PLANNING
Three hours
This course is like Education 341 and is for students looking for positions in the junior and senior high schools. To be taken the second semester of their junior year.

343. PRACTICE TEACHING
Five hours
Course 341 or 343 is a prerequisite. Offered both semesters. At least one method course must precede Practice Teaching.

330m.
THE TEACHING OF LATIN OR ENGLISH, INC.
Teachers' courses offered in the various departments are all indicated by the number 330 followed by the letter m. For description see under the department wanted.

E. PHYSICAL EDUCATION

(See description of courses under department of Physical Education.)
Engineering Subjects

101. MECHANICAL DRAWING
The principles of orthographic projection; practice in the making of working drawings; practice in lettering and tracing. Three two and one-half hour drafting-room periods, three hours home work a week. Prerequisite: 101.

102. DESCRIPTIVE GEOMETRY
Exercises, instruction, and drill through the medium of 80 printed plates of problems. Three two-hour drafting-room periods, three hours home work a week. Prerequisite: 101.

103. MECHANISM AND SKETCHING
Sketching of models in orthographic, isometric, and oblique projection; practice in the making of working drawings. Freehand sketches; free-hand lettering. Two two-hour drafting-room periods, two hours home work a week. Prerequisite: 103.

207. SURVIVING
Elementary theory and practice; use of instruments, reading of venders and angles; running straight lines; traverse survey; computing areas; leveling; profiles; grade stakes; note keeping. Lectures, text assignments, one recitation, and one four-hour field period. Prerequisite: Mathematics 104. Offered every even year.

303. STATICS

English

103. FRESHMAN ENGLISH
Composition and rhetoric. This is a basic course required of all Freshmen.

104. FRESHMAN ENGLISH
This is a continuation of the preceding course. Introduction to literature. Both 103 and 104 are prerequisites to all other courses in English.

201. AMERICAN LITERATURE
From the beginning to 1840. A study of the religious, political, social, and artistic background of our national culture, and of leading authors.

202. AMERICAN LITERATURE
The New England group, post-bellum realism, the historical romance, naturalism, and the new poetry.

203. FROM THE BEGINNING TO 1600
Emphasis upon Beowulf, the metrical romance, Chaucer, the humanists, and the non-dramatic writers of the Elizabethan age. Not given in 1941-42.

207. THE ELIZABETHAN PERIOD
A study is made of the Renaissance as it manifests itself in literature, particularly in drama. Several plays of Shakespeare are studied.

French

101. ELEMENTARY FRENCH
Grammar, pronunciation, composition, dictation, oral drill, and conversation are intended to impart a certain amount of cultural training and ability to understand simple spoken French.

102. CONTINUATION OF 101
Text in both courses: Fosco and Cattell, Practical French Grammar. This is followed by the reading of easy prose.
201. INTERMEDIATE FRENCH
Reading of about two hundred pages of easy nineteenth century prose. Special stress on idioms. Composition based on text read. Prerequisite: 101 and 102.

202. CONTINUATION OF 201
Reading of about three hundred pages of modern prose. Composition and thorough review of grammar throughout the year. About seven hundred pages of outside reading is required for the year.

203. THE ROMANTIC MOVEMENT

204. NINETEENTH CENTURY—SECOND HALF

205. THE CLASSIC PERIOD
A study of French literature in culture in the seventeenth century as a background for the more detailed study of the classic authors. One drama is read in class, others are assigned for outside reading. Prerequisite: 202.

206. THE CLASSIC PERIOD
A continuation of 205, dealing with the later seventeenth century literature, with special attention to Racine and Molière. A drama of Racine is read in class. A few dramas are assigned for outside reading. Anthology in both courses: Schinz and King’s Seventeenth Century Readings. Prerequisite: 202 and 303.

300m. METHODS OF TEACHING MODERN FOREIGN LANGUAGES
One hour
Intended for prospective teachers of French in secondary schools. Prerequisite: six of the courses offered in this department.

German

101. ELEMENTARY GERMAN

102. CONTINUATION OF 101
Study of grammar continued. Reading of at least one hundred pages of modern prose and poetry.

201. INTERMEDIATE GERMAN
Reading of at least one hundred pages of modern prose and poetry. Prerequisite: 101 and 102.

202. INTERMEDIATE GERMAN CONTINUED
Intensive study of modern prose and poetry. By stress upon idioms and otherwise, effort is made throughout the year to create a German speechfield. Outside reading with reports required to the extent of at least eight hundred pages for the year. Prerequisite: 201.

203. THE ROMANTIC PERIOD

302. REALISM
Three hours
History of German literature since the middle of the nineteenth century. Collateral reading and reports. Prerequisite: 202. Not offered during 1941-42.

303. EARLY NINETEENTH CENTURY DRAMA
Three hours
A comprehensive study of the lives and works of leading German dramatists of the early nineteenth century. Assigned readings. Three hours. Prerequisite: 202.

304. LATER NINETEENTH CENTURY DRAMA
Three hours
A study of Hauptmann and Sudermann and their times. Assigned readings and reports. Prerequisites: 302 and 303.

305. THE CLASSIC PERIOD
Three hours
A general survey of German literature in the eighteenth century as far as Lessing and with special attention to him. A drama of Lessing read in class. Collateral reading and reports. Prerequisite: 202.

306. THE CLASSIC DRAMA
Three hours
A study of the lives and works of Schiller and Goethe. One or two of their dramas are read. Reports on assigned topics. Prerequisite: 202 and 306. Courses 305 and 306 are not offered during 1941-42.

307. SCIENTIFIC GERMAN
One hour
Students wishing to take this course should confer with the professor in charge at the opening of the school year.

300m. METHODS OF TEACHING MODERN FOREIGN LANGUAGES
One hour
Intended for prospective teachers of German in secondary schools. Prerequisite: six of the courses offered in this department.

Greek

Students who expect to graduate from the pre-Seminary Course must complete Courses 101, 102, 202, 213, 214, 315.

101. BEGINNERS’ GREEK
Four hours
Text: Crozier and Schaeffer, An Introduction to Greek.

102. BEGINNERS’ GREEK
Four hours
Continuation of 101. Completion of the text and the reading of the first book of Xenophon’s Anabasis, or its equivalent.

201. XENOPHON
Three hours
Selections from the Anabasis. Prerequisite: 101 and 102.

202. SELECTIONS FROM PLATO
Three hours
Prerequisite: 201.

315. NEW TESTAMENT GREEK
Three hours
The Gospel according to Mark is read. A study is made of the special features of Hellenistic Greek. The significance of lexical and syntactical data for the interpretation of the text is everywhere emphasized. Prerequisite: for pre-Seminary students, 202 or 204; others, 102.

314. NEW TESTAMENT GREEK
Three hours
A study is made of some of the Pauline Epistles. Lectures and discussion on St. Paul and his times. Prerequisite: 313.
315. **GREEK CULTURE**
Three hours
No knowledge of Greek is required. The main features of Greek culture (e.g., the Greek outlook) are studied. Lectures, discussions, assigned readings. Not open to Freshmen.

316. **GREEK THOUGHT AND THE NEW TESTAMENT**
Three hours
No knowledge of Greek is required. Lectures, discussions, assigned readings. Open to Juniors and Seniors.

317. **PLATO’S REPUBLIC**
Two hours
No knowledge of Greek is required. The course aims at an understanding and evaluation of Plato’s views as presented especially in the Republic. Open to Sophomores, Juniors, and Seniors.

318. **GREEK AND ROMAN RELIGION**
Two hours
The course gives a survey of the Greek, Roman, and Greek-Roman religious beliefs and practices from earliest times down to the Advent of Christ. Open to Sophomores, Juniors, and Seniors.

**History**

101. **GENERAL SURVEY OF HISTORY**
Four hours
This course aims to give the student a comprehensive view of the history of civilization from earliest times to 1500 A. D. Required of all students taking the General College Course and of all Pre-Seminary students.

102. **GENERAL SURVEY OF HISTORY**
Four hours
A continuation of Course 101. Particular attention is given to the great movements which have been significant in the development of western civilization to the present day.

205. **EUROPE SINCE 1815**
Three hours
The general history of Europe since 1815, with emphasis on such topics as the revolutionary movement in France, the unification of Germany, the rise of socialism. Discussion and assigned reading. Prerequisite: a high school course in general history.

206. **EUROPE SINCE 1815**
Three hours
A continuation of 205, which is prerequisite. Courses 205 and 206 are for Freshmen; open to Sophomores by special arrangement.

201. **EASTERN EUROPE SINCE 1815**
Three hours
Russia from 1815 to the present. Lectures, readings, and reports. Prerequisites: 101 and 102. For Sophomores and Juniors.

202. **EASTERN EUROPE SINCE 1815**
Three hours
The Balkan States, Austria, Hungary, and Czecho-Slovakia. Lectures, readings, and reports. Prerequisite: same as 201.

203. **ENGLISH HISTORY TO 1600**
Three hours
An outline of the political and constitutional history of England. Prerequisites: 101 and 102. For Sophomores and Junior year.

204. **ENGLISH HISTORY SINCE 1600**
Three hours
Continuation of 203, which is prerequisite.

301. **AMERICAN HISTORY**
Three hours
Lectures and readings. Prerequisite: a high school course in American history.

302. **AMERICAN HISTORY**
Continuation of 301, which is prerequisite. Courses 301 and 302 are open to Juniors and Seniors.

303. **AMERICAN FOREIGN RELATIONS**
Three hours
The diplomatic relations of the United States since 1789 with the principal countries of Europe and with China and Japan. Prerequisite: high school course in American history.

304. **AMERICAN FOREIGN RELATIONS**
Three hours
Diplomatic relations with South American countries. Origin and development of the Monroe Doctrine. Courses 303 and 304 open to Juniors and Seniors.

323. **THE EARLY MIDDLE AGES (400-1000)**
Three hours
See page 40.

324. **FIRST RENAISSANCE (1000-1400)**
Three hours
See page 41.

325. **SECOND RENAISSANCE AND REFORMATION (1400-1668)**
Three hours
See page 41.

326. **THIRD RENAISSANCE AND REVOLUTION (1758-1815)**
Three hours
See page 41.

3290. **TEACHERS’ COURSE**
Methods of teaching history in secondary schools. Prerequisite: twenty-one to twenty-two hours of history.

Latin

101. **ELEMENTARY LATIN**
Four hours
This course covers one unit of Latin for entrance to college and is intended for those who have had no Latin in their high school course. No credit is granted for 101 unless credit has been earned for 102.

102. **SECOND YEAR LATIN**
Four hours
The continuation of the first semesters work and includes a part of Caesar’s Gallic Wars. Equivalent to one unit of Latin for admission.

201. **ROMAN ORATORY**
Three hours
Orations of Cicero and Latin prose composition. This course is offered for those students who present two units of Latin for admission.

202. **POETRY**
Three hours
Parts of Books I to VI of Vergil’s Aeneid, Translation and interpretation, metrical reading, and studies in Roman mythology.

306. **PHILOSOPHICAL TREATISES**
Cicero’s De Senectute or De Amicitia.

323. **ROMAN HISTORIANS**
Livy, Book XXI: the history and the life of Rome during the period of the Punic Wars.

325. **ROMAN COMEDY**
Terence: The Adelphi and the Andria.
306. HORACE: Odes and Epodes Three hours
See note under 209.

307. AUGUSTAN LATIN Three hours
This course comprises selections taken from Livy, Ovid, Caesar, Sallust, Vergil, Cicero, Horace.

308. CHRISTIAN AND MEDIEVAL LATIN LITERATURE Three hours
It comprises several Christian Latin hymns, part of Augustine's Confessions, and selections from various writers of Latin prose and poetry from the fifth century to the Renaissance.

312. CATULUS Three hours

319. LATIN LITERATURE IN TRANSLATION Three hours
No knowledge of the Latin language is required for this course. The aim is to give students an acquaintance with the history and content of Latin literature through the medium of English translations. Latin literature will be treated in its broad relation to Greek literature and to modern literature.

320. ROMAN CULTURE Three hours
Open to students who have had at least two units of high school Latin. The emphasis falls on the development of the constitution, the growth of private law, and the status of education, religion, and philosophy in the Roman world.

327. LATIN GRAMMAR AND WRITING Two hours
In this course a thorough review of Latin grammar and syntax will be made, and attention will be given to Latin writing. Parts of Caesar and Cicero will be carefully studied and reviewed.

330m. TEACHERS' COURSE One hour
This course is required of all students who expect to teach Latin, and who seek to obtain a State Teachers' Certificate. It is open to such only as have had at least twenty semester hours in addition to two units of high school Latin. In this course study will be made of the problems and methods of teaching secondary Latin.

330m. TEACHERS' COURSE Two hours
This course will be offered either the first or second semester to meet the convenience of the students interested.

Mathematics

101. ALGEBRA Three hours
For those who have had only one year of algebra in high school.

102. SOLID GEOMETRY Three hours
Prerequisite: 101 and plane geometry.

103. COLLEGE ALGEBRA Three hours
Prerequisite: 101.

104. PLANET TRigonometry Three hours
Prerequisite: 101.

201. PLANET ANALYTIC GEOMETRY Four hours
Prerequisite: 102 and 104.

202. CONTINUATION OF 201 Four hours
Plane analytic geometry completed and introduction to solid analytic geometry.

301. DIFFERENTIAL CALCULUS Five hours
Prerequisite: 201 and 202.

302. INTEGRAL CALCULUS Five hours
Integral calculus and introduction to differential equations. Prerequisite: 301.

303. DIFFERENTIAL EQUATIONS Three hours
Prerequisite: 301 and 202.

304. THEORY OF EQUATIONS Three hours
Prerequisite: 301 and 202.

307. ALGEBRA Three hours

308. SOLID ANALYTIC GEOMETRY Three hours
Prerequisite: 101 and 202.

309. STATISTICS Three or four hours
Emphasis on statistical methods. Prerequisite: 101 and 104; 105 is highly desirable.

310. ANTHROPOLOGY — DESCRIPTIVE Two hours
A study of the solar system, the sidereal universe, and the theory of the universe.

330m. TEACHERS' COURSE One hour
Discussion of methods of teaching mathematics in secondary schools. Twenty hours of observation work are required.

Music

101-102. CHORUS (Calvin Oratorio Society) Two hours
The study of representative works of the great masters of choral writing with a view to public performance. Handel's Messiah is rendered annually at Christmas time. Another oratorio is presented in the spring.

201. MUSIC THEORY Two hours
The elements of music. Drill in notation, time, and rhythmic values, scales, and signatures. The course aims to acquaint the student with elementary school music, both in content and organization.

203. HARMONY Three hours
A threefold approach to the elements of harmony through the ear, eye, and hand or keyboard. Written work and class exercises. The writing and analysis of hymn tunes and a study of their chords. Primary triads, dominant seventh.

204. HARMONY (Continuation of 203) Three hours
Secondary triads, dominant seventh, dominant ninth, and their inversions.

207-208. A CAPPELLA CHOIR One hour
Representative works in the field of choral literature are studied and a limited number of selections prepared for concert performance. Open only to those who meet the demands of voice and musicianship.

211. MUSIC APPRECIATION Three hours
General course designed to develop intelligent discrimination in the listener. Structural principles and aesthetic content of music with reference to the various forms and styles will be considered. The course is planned to give a general idea of the entire realm of music and is intended alike for the technical musician and those who wish to become merely intelligent listeners.

212. CONTINUATION OF 211 Three hours
217-218. SINGING  
Individual lessons for the development of the voice and the memorizing of a repertoire of art songs and arias.

222. MUSIC METHODS  
Two hours  
Methods of teaching elementary school music. Teaching of rote songs and simple art songs. Each student has practice in directing the class in singing. Demonstration lessons.

305. HISTORY OF MUSIC  
Three hours  
The development of the art of music from the earliest times to the present. Oratorio and church music, the operas, songs, and instrumental music. Biographies of composers. Representative compositions of each main period presented in class. Lectures, collateral reading, term papers, and text-book work. 1901-12.

306. HISTORY OF MUSIC  
Three hours  
Continuation of 305.

308. ORGAN  
One or two hours  
Foundations and hymns; twelve church pieces of medium grade. Each of these courses comprises twelve lessons and gives one hour credit. Prerequisite: three years of piano. Professor Van Andel.

310. ORGAN  
Two chorale preludes of Bach, Karg Elert, Dupré, and Mendelssohn; six preludes and fugues of Bach and Mendelssohn; twelve concert pieces of medium grade; four sonatas of Mendelssohn; four major works of modern French composers; twelve units of modern Dutch composers; twelve Bach transcriptions; four major works of Bach, Liszt, Karg Elert, Von, and Sowerby. Prerequisite: 308. Professor Van Andel.

Organic Science

101. BIOLOGY OF THE FROG  
Two hours  
A careful study of the frog. Habits, anatomy, physiology, and development are emphasized. This course is required in the pre-medical and the pre-nursing curricula and is recommended to students who wish to major in biology. One lecture or recitation and three hours of laboratory work a week. Laboratory fee, $3.00.

102. HUMAN PHYSIOLOGY  
Two hours  
A study of some vital phenomena occurring in man. Course 103 is a desirable antecedent.

103. PERSONAL HYGIENE  
Two hours  
A study of the proper care of the body and of approved practices for the prevention of disease. Credit for this course will be given only after the satisfactory completion of Course 102.

106. HUMAN ANATOMY AND PHYSIOLOGY  
Four hours  
A general introduction to human embryology, anatomy, histology, and physiology. This course attempts to meet the needs of students of physical education, and of pre-medical, pre-dental, and pre-nursing students. It is also recommended to students who expect to major in Organic Science. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00. Prerequisite: 101 and 103.
108. INTRODUCTORY BACTERIOLOGY Three hours
The history of bacteriology, and the cultural and morphological characteristics of bacteria, yeasts, and molds are considered. Special emphasis is placed on communicable diseases, their causal agents, and the hygienic applications of bacteriology. Discussions, quizzes, and demonstrations. This course yields credit only to students of the pre-nursing course and toward an A.B. in Education.

201. INVERTEBRATE ZOOLOGY Four hours
Anatomy, physiology, behavior, and classification of animals representative of the invertebrates groups. Insects and disease-causing forms are emphasized. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00.

202. INTRODUCTION TO BOTANY Four hours
Anatomy, physiology, and classification of seed plants. Three recitations and three hours of laboratory work a week. Laboratory fee, $3.00.

203. PLANTS MORPHOLOGY Four hours
A comparative study of plant forms and life histories typical of large groups. This course offers a general systematic view of the plant kingdom. Three recitations and three hours of laboratory work a week. Laboratory fee $3.00. Prerequisite: 202.

205. GENERAL BIOLOGY Two hours
A general introduction to the study of biology and a brief survey of the plant and animal kingdoms. This course is not open to freshmen except by special permission. Two hours of lectures and recitations, and one hour of demonstrations per week.

208. INTRODUCTION TO EMBRYOLOGY Three hours
An elementary study of the development of invertebrate animals. Two recitations and three hours of laboratory work a week. Laboratory fee, $3.00.

303-304. LABORATORY METHODS One or two hours
Collection, preparation, and preservation of laboratory material. Maintenance of laboratory cultures. Microscopic techniques: killing, fixing, dehydrating, embedding, sectioning, staining, and mounting of microscopie preparations for biology, zoology, and physiology. Laboratory fee, $5.00. Three hours of laboratory work a week per semester.

306. BIOLOGICAL PROBLEMS Two hours
History of biology, the nature of the individual, variations of organisms, evidence for evolution, and organic zoology. Lectures, assigned readings, recitations, and reports. Prerequisite: 206.

311. VERTEBRATE ZOOLOGY Two hours
Comparative anatomy and natural history of vertebrates. Evolution problems are emphasized. One recitation and three hours of laboratory work a week. Laboratory fee, $3.00. Prerequisite: 201. Course 208 is a desirable antecentent.

312. VERTEBRATE ZOOLOGY Three hours
A continuation of 311. Two recitations and three hours of laboratory work a week. Laboratory fee, $3.00. Prerequisite: 311.

320w. TEACHING OF BIOLOGY One hour
The point of view, content, and methods of teaching secondary school botany, zoology, and human physiology and hygiene. Prerequisite: all preceding courses in Organic Science.

Philosophy

202. LOGIC Three hours
A course in traditional and elementary symbolic logic. Text and exercises. This is a semester course which is offered both in the first semester and in the second.

203. INTRODUCTION TO PHILOSOPHY Three hours
A study of the aims and methods of critical reflection and a discussion of representative philosophical problems, especially the Problem of Knowledge. — Lectures, Discussions, Readings. Open to Sophomores.

204. HISTORY OF PHILOSOPHY: ANCIENT OR GREEK Three hours
An examination of the philosophic questions raised by the Greek mind and an attempt to trace the implicit movement in the profound solutions. Text, Discussions, Readings. Open to Sophomores.

301. HISTORY OF PHILOSOPHY: MEDIEVAL Three hours
Special attention is given to the effect of Christianity on philosophy. Lectures, Discussions, Readings. Prerequisite: 204.

302. HISTORY OF PHILOSOPHY: MODERN Three hours
A study of the development of philosophical thought from the Renaissance to the present. Text, Discussions, and Papers. Prerequisite: two semesters of Philosophy.

303. ETHICS Three hours
A course in moral philosophy conducted by a way of critical evaluation of rival ethical theories. Lectures, Readings, Discussions. Open to Juniors and Seniors. Prerequisite: two semesters of Philosophy.

304. METAPHYSICS Three hours
An attempt, through a consideration of ontological and cosmological problems, to lay bare the outline of a philosophical system. Text, Readings, Paper. Prerequisite: 202.

305. CONTEMPORARY PHILOSOPHY Three hours
A study of contemporary American philosophy, with special emphasis upon Pragmatism and Realism. — Offered only during the summer session.

Physical Education

A minor in the department of Physical Education, approved by the Department of Public Instruction at Lansing, is at the option of anyone taking the course leading to the degree of A.B. in Education. In addition to the three courses listed in this department, seven hours must be selected from the following: Organic Science 101, 103, 106, and Psychology 201.

301. ORGANIZATION Three hours
This is a course in the organization and administration of physical education in junior and senior high schools.
### 302. Coaching

A course aiming at preparation for coaching of basketball, track, tennis, and golf in junior and senior high schools.

**Three hours**

### 304. Community Activities

The theory and practice of community, playground, and recreational activities.

**Two hours**

### 201. General Physics

Mechanics, sound, and heat. Prerequisite: plane trigonometry. Three recitations and one two-to-three-hour laboratory period a week. Laboratory fee, $3.00.

**Four hours**

### 202. General Physics

Electricity and light. Continuation of 201. Three recitations and one two-to-three-hour laboratory period a week. Laboratory fee, $3.00.

**Four hours**

### 201E. General Physics

Mechanics, sound, and heat. (Required of all engineering students.) At least half the semester is devoted to elementary mechanics; the remainder of the time to sound and heat. Many experimental illustrations. Four recitations, and one two-to-three-hour laboratory period a week. Prerequisite: plane trigonometry and a preparatory course in physics. Laboratory fee, $3.00.

**Five hours**

### 202E. General Physics

Electricity and light. (Required of all engineering students.) A continuation of 201E. It takes up the fundamental phenomena and laws of electricity and light with ample class illustrations. Four recitations, and one two-to-three-hour laboratory period a week. Laboratory fee, $3.00.

**Five hours**

### 203. Physics Problem Course

Should be preceded by or accompany 201 or 201E. This course consists of the solution and discussion of problems in mechanics, sound, and heat. One recitation a week.

**One hour**

### 204. Physics Problem Course

Should be preceded by or accompany 202 or 202E. Consists of exercises in magnetism, electricity, and light. One recitation a week.

**One hour**

### 304. Modern Physics

A study of physics beginning with the discovery of radioactivity. Discussion of subjects such as the atomic nature of matter and electricity, the nature of radiant energy, x-rays, atomic spectra, molecular structure and radioactivity. Prerequisite: Physics 202 or 202E.

**Three hours**

### 305. Survey Course

A non-mathematical presentation of the fields of physics accompanied with demonstrations. Those concentrating in science do not receive credit for this course. No prerequisite. Offered odd years.

**Two hours**

### Political Science

#### 301. Introduction to Political Science

The origin, nature, and essential elements of the state. State forms and forms of government. Sovereignty and the relation of states to one another. Lectures and collateral reading. Given in 1940-'41.

**Three hours**

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### History

#### 302. Introduction to Political Science

Continuation of 301, which is prerequisite.

**Three hours**

#### 303. American Government

Practical operation of Federal and state constitutions. The relations of government to the business and social interests of the people. Interpretation of the constitution by the various departments of the government. Given in 1941-42.

**Three hours**

#### 304. American Government

Continuation of 303, which is prerequisite. Courses 301 to 304 are open to Juniors and Seniors.

**Three hours**

### Psychology

#### 301. Introductory Psychology

A general course in psychology for beginners. This course is repeated in the second semester.

**Three hours**

#### 302. Educational Psychology

Course 201, or its equivalent, is a prerequisite.

**Three hours**

#### 304. Genetic Psychology

A study of the psychology of the child. Course 201, or its equivalent, is a prerequisite. Not given 1940-41.

**Three hours**

#### 302. Mental Hygiene

A study of personal attitudes toward reality and the solution of maladjustment by means of integration.

**Two hours**

### 812. The Psychology of Abnormal People

A study of disorders of sensation, perception, association, and so forth. Some study is made of hypnosis, hysteria, and other subjects usually considered under the heading of abnormal psychology, and especially, too, the phenomena and problems of the nervous. Psychology 201, or its equivalent, is a prerequisite. This course is open only to seniors and to pre-medical and pre-law students of the junior year who are in their last year of residence.

**Three hours**

### Public Speaking

#### Oration

One hour of credit for not more than one semester is offered to students who participate in interscholastic speaking contests. Oration. Two hours of credit is given to students who take part in interscholastic debating.

**Two hours**

#### Story Telling

Throughout the course the major emphasis will fall on practice in story telling in view of elementary school needs.

**Two hours**

#### Speech-Making

The writing and delivery of short original speeches and orations to develop a direct, forceful, conversational style.

**Two hours**

#### Speech-Making

Continuation of 103, together with a study of speech form and speech qualities.

**Two hours**

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201. INTERPRETATIVE READING
The principles of interpretation and expression. Oral interpretation of representative selections before the class. Not taught during 1941-42.

202. INTERPRETATIVE READING
Continuation of 201.

203. GREAT ORATORS
Study of great English orators. Declaimations and topical speeches. Given during 1941-42.

204. GREAT ORATORS
Study of great American orators. Declaimations and topical speeches.

301. ADVANCED SPEECH COMPOSITION
A study of the psychological techniques involved in effective speech composition. Speeches and orations. Intended for seniors of the pre-Seminary course.

303. INTERCOLLEGIATE EXTENDED SPEAKING

305. INTERCOLLEGIATE PRIZE ORATORY

307. INTERCOLLEGIATE ORATORY (M. I. S. L.)

310. INTERCOLLEGIATE INTERPRETATIVE READING

312. INTERCOLLEGIATE DERRATING

Special Courses

102N. DRUGS AND SOLUTIONS
This course is designed for students who wish to take up nursing. Methods of compounding drugs and solutions are discussed as well as the specific action of many of these. Three lectures a week. Prerequisite: Chemistry 101N or its equivalent.

104N. HISTORY OF NURSING
Required of students who desire to enter the training school of Botsford Hospital for nursing.

REGISTER OF STUDENTS
Seniors

NAME															HOME ADDRESS
Baereman, Marvin															Zeeland
Bajena, Henry															Grand Rapids
Bajena, William John														 Sheldon, Iowa
Blecking, Florence Esther														 Grand Rapids
Brasier, Clarence															Harvey, Illinois
Bratt, Albertus															Holland
Brink, Peter Leonard														 Grand
Brower, John Jay															Chicago, Illinois
Bruggink, Cornelius C															Grand Rapids
Bult, John Charles															Grand Rapids
Dame, Ruth Lois															Grand Rapids
Darby, Ruth															Grand Rapids
De Beer, Ruth Cera															Passaic, New Jersey
De Bruyn, Adelaide															South Falls, South Dakota
De Haan, Clarence															De Motte, Indiana
Dekker, Charles															Grand Rapids
De Vries, Anna Belle															Garfield, New Jersey
De Vries, Ruth Jane															Grand Rapids
De Wit, Carolyn Nellie															Redlands, California
Dickerson, Ada Fern															Grand Rapids
Dubeck, Walter G															Oak Park, Illinois
Ewema, Angelyn Jean															Oak Park, Illinois
Gray, Mitchell Lincoln															Grand Rapids
Hager, Patricia Marie															Grand Rapids
Helder, Roger John															Grand Rapids
Hoynes, Wilma															Grand Rapids
Huleman, Peter															Midlothian, Illinois
Jabany, Mabel															Lansing, Illinois
Jagt, Dena															Prospect Park, New Jersey
Kulpers, Louis															Grand Rapids
Lamer, Marvin															Zoechland
Letch, John Hamilton															West Chester, Pennsylvania
Loos, Martien															Netherlands
Marlene, Martha															Holland
Mellens, Kathryn Ann															Chicago, Illinois
Molenaar, Wifred															Grand Rapids
Molner, Gladys A.															Grand Rapids
Netz, Louise Geria															Paterson, New Jersey
Otlhoff, John Harry															Chicago, Illinois
Ottenhof, Claire Grace															Mishkila, Illinois
Peterson, Jeannette															Grand Haven
Pis, Johanna															Grand Rapids
Post, Connie															Grundy Center, Iowa
Posthumus, John, Jr.															Grand Rapids
Rottschaefer, John Henry															Grand Rapids
Roeboom, Myron															Brookston, Minnesota
Schafman, Bernard															Grand Rapids
Schrager, Irene															Lansing, Illinois
Stevens, Miriam Romaine															Grand Rapids
Teek, Edwin Charles															Grand Rapids
Thomas, Tom Robert															Grand Rapids
Toomey, John															Denver, Colorado
Tulstra, Marie Jean															Grand Rapids
Vander Meer, June F.															Grand Rapids
<table>
<thead>
<tr>
<th>Name</th>
<th>Home Address</th>
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</thead>
<tbody>
<tr>
<td>Vander Wall, Walter R.</td>
<td>New Era</td>
</tr>
<tr>
<td>Van Dyken, A. Robert</td>
<td>Harvey, Illinois</td>
</tr>
<tr>
<td>Van Eerden, Helen Annette</td>
<td>Ada</td>
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<tr>
<td>Van Huy, Nellie</td>
<td>Grand Rapids</td>
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<td>Van Putten, Robert William</td>
<td>Grand Rapids</td>
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<tr>
<td>Velten, Bernard Henry</td>
<td>Grand Rapids</td>
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<tr>
<td>Veredvoogd, Elizabeth</td>
<td>Grand Rapids</td>
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<tr>
<td>Westra, Dorothy</td>
<td>South Holland, Illinois</td>
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<tr>
<td>Williams, Helen Elizabeth</td>
<td>Grand Rapids</td>
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</tbody>
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**Juniors**

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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Afto, John W.</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>Andreasen, Winifred</td>
<td>Lynden, Washington</td>
</tr>
<tr>
<td>Baker, Frances J.</td>
<td>Grand Rapids</td>
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<tr>
<td>Baker, Wilhelma Ann</td>
<td>Grand Rapids</td>
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| White, Dora Gene      | Grand Rapids  
| Wiegurinck, Lloyd Theodore | Grand Haven  
| Wingard, George  
|                       | Kent City     
| Zasgian, Robert William | Grand Rapids  

**Sophomores**

| Name                  | Home Address  
|-----------------------|---------------
| Ankusman, Hilda       | Hudsonville   
| Burchills, John Willis | Clarin City, Minnesota  
| Bergman, Julius       | Grand Rapids  
| Baelkema, Harry Martin | Crookston, South Dakota  
| Boecker, Harold Harry | Hudsonville   
| Bouma, Bernard Harold | Holland, Michigan  
| Bouwman, Robert Joseph | Grand Rapids  
| Bril, LeRoy          | Grand Rapids  
| Bremner, Eugene Melvin | Grand Rapids  
| Brown, Lois Ruth      | Six Lakes      
| Brewer, Lois         | Orange City, Iowa  
| Brewster, Lois       | Grand Rapids  
| Cooling, Louise P.    | Grand Rapids  
| Conselman, Charles Guilford | Grand Rapids  
| Coury, Robert J.      | Grand Rapids  
| Decker, Edgar        | Grand Rapids  
| De Haan, Clarence John | Grand Rapids  
| De Jager, Helen       | Grand Rapids  
| De Jong, Alexander C. | Grand Rapids  
| Dekker, Edith         | Ada           
| Dekker, Elaine Ruth   | Grand Rapids  
| De Krayer, John Adrian | Muskegon     
| De Krayer, John G.    | Warner, South Dakota  
| De Lange, Jack Clarence | Grand Rapids  
| De Ridder, Richard Ralph | Holland  
| De Reijzer, Wilma Lorna | Grand Rapids  
| De Vries, John Simon  | Denver, Colorado  
| De Wall, Karel Everhart | Ridgewood, New Jersey  
| De Young, Tunis       | Evergreen Park, Illinois  
| Dereg, Robert Earl    | Grand Rapids  
| Derboe, Frances Elaine | Grand Rapids  
| Drost, Sheila E.      | Grand Rapids  
| Dobbs, Anthony Henry  | Grand Rapids  
| Dykstr, Cornelia Jeanette | Chias     
| Einfeld, Frank        | Everett, Washington  
| Feyen, Gerrit         | Grand Rapids  
| Franck, Melvin John   | Grand Rapids  
| Geen, Howard James   | Grand Rapids  
| Geerweard, Louis Martin | Grand Rapids  
| Goeft, Gerard         | Grand Rapids  
| Oelkema, Louisa       | Grand Rapids  
| Gulkmann, Ruth Marguerite | Grandville  
| Haagmans, Reza       | Grand Rapids  
| Haan, Bernard Top    | Grand Rapids  
| Hanes, Merle Arnt    | Grand Rapids  
| Harkema, Deborah C.   | Grand Rapids  
| Hatzman, John Henry   | Grand Rapids  
| Heybro, Doris Roth    | Grand Rapids  
| Heybroe, Irene        | Hudsonville    
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| Hoeckstra, Justin Bernard | Grand Rapids  
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| Holwerda, Graziela    | Grand Rapids  
| Hoogsteden, Bornejean | Grand Rapids  
| Holz, Dora           | Grand Rapids  
| Iwema, Peter C.       | Chicago, Illinois  
| Jaarsma, Raymond Allard | Slippery Rock, Pennsylvania  
| Jensen, Janet         | Hudson, Minnesota  
| Kallemeyn, Margot    | Edgerton, Minnesota  
| Kamper, Edith Mae     | Budgeryard     
| Kamper, Pearl May     | Grand Rapids  
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| Leizerman, Ruth Genevieve | Grand Rapids  
| London, Robert Tom   | Grand Rapids  
| Lutzen, Margaret Janet | Oostburg, Wisconsin  
| McCarthy, B. June    | Grand Rapids  
| Marten, Hugh John     | Grand Rapids  
| Mett, Karl           | Grand Rapids  
| Minnema, Herman      | Petersburg, New Jersey  
| Nes, John Marcus     | Posen, Minnesota  
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| Ohlmann, Gertrude Elizabeth | Grand Rapids  
| Oliver, Donald Leslie | Grand Rapids  
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| Oosterink, Carol      | Hull, Iowa     
| Oppermann, Elana      | Thoran, New Mexico  
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| Schreuder, Betty Barra Middel | Grand Rapids  
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