

Calvin College

An Institution of the Christian Reformed Church

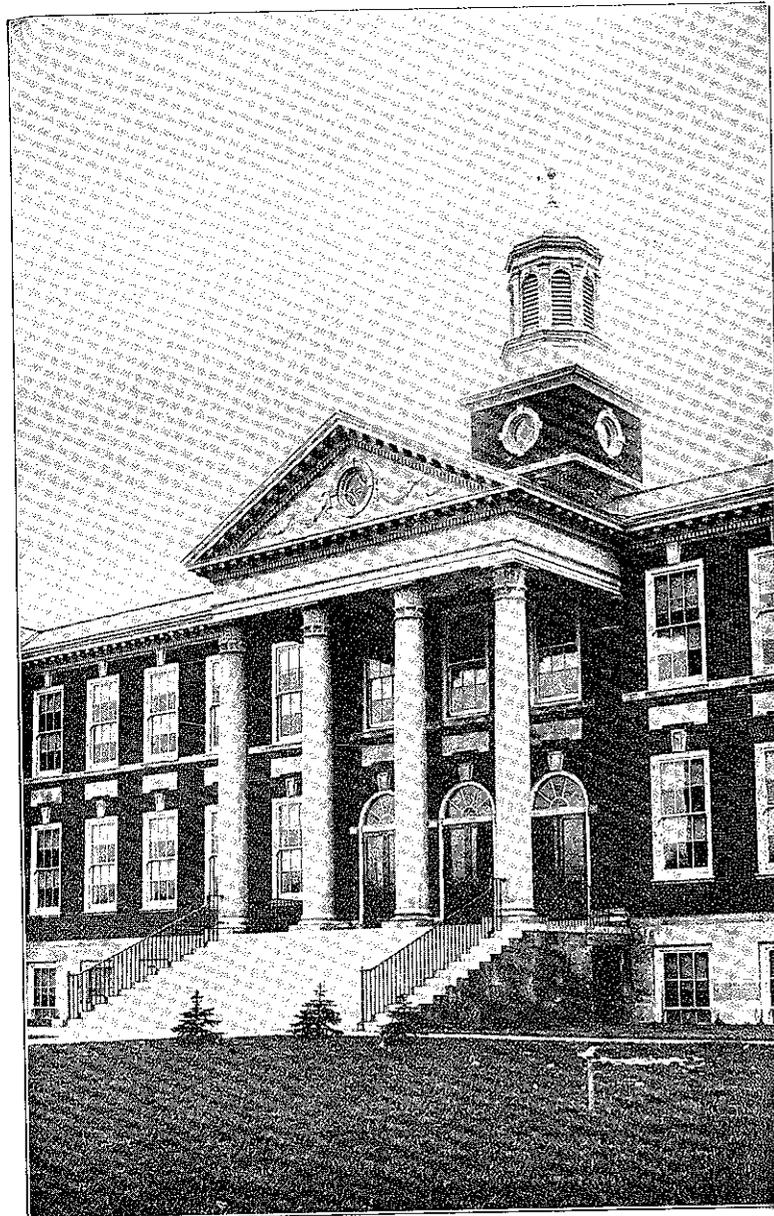


Yearbook 1939-1940

Academic Record for 1939-1940

Announcements for 1940-1941

Grand Rapids, Michigan



Entrance to Main Building

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.

TABLE OF CONTENTS

How to Address Correspondence.....	3
Table of Contents.....	4
Calendar of the College.....	6
Board of Trustees.....	7
Executive Committee	8
Committee on Finance.....	8
The Faculty	9
Admission	11
Aim	11
Freshman Standing	14
Advanced Standing	15
Unclassified Students	15
Student Expenses	16
Tuition and Other Fees.....	16
Living Expenses	17
Board and Room with Private Families.....	17
Board and Room at Calvin Dormitory.....	18
Student Aid	19
Scholarships and Prizes.....	19
Prizes and Awards.....	20
Placement Bureau	21
Administration	22
Religious Culture	22
The Hekman Memorial Library.....	22
Physical Education	22
Attendance	23
Grades and Honor Points.....	23
Examinations and Written Work.....	24
Dropping and Changing of Courses.....	24
Class Visitors	24
Dismission	24
Requirements for Graduation.....	25
General College	25
Pre-Seminary	27
Education	27
Pre-Medical and Pre-Dental.....	29
Four-Year Pre-Medical	31
Pre-Law	31
Pre-Engineering	33
Pre-Business Administration	34
Pre-Forestry	35
Pre-Nursing	36

Description of Courses.....	38
Art	38
Bible	38
Chemistry	39
Dutch	40
Economics and Sociology	41
Education	43
Engineering Subjects	44
English	45
French	46
German	47
Greek	48
History	48
Latin	49
Mathematics	51
Music	52
Organic Science	53
Philosophy	55
Physical Education	55
Physics	56
Political Science	56
Psychology	57
Public Speaking	57
Special Courses	58
Register of Students.....	59

CALENDAR

1940

Registration for Second Semester.....	January 2-3
Christmas Vacation ends.....	January 2
Final Examinations.....	January 11-19
First Semester closes.....	January 19
Second Semester begins.....	January 23
Spring Vacation begins.....	March 22, 6:00 P. M.
Spring Vacation ends.....	April 2, 7:00 A. M.
Re-examinations.....	April 5-6
Final Examinations.....	May 23-31
Board of Trustees meets.....	May 29
Commencement.....	June 4

Summer Vacation

Enrolment of New Students.....	September 4, 9:00 A. M.
Registration for First Semester.....	September 4-5, 9:00 A. M.
Opening Exercises.....	September 5, 9:00 A. M.
Re-examinations.....	September 6-7
Thanksgiving Recess.....	November 21 or 28
Christmas Vacation begins.....	December 20, 6:00 P. M.

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.....	January 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 29
Commencement.....	June 4

BOARD OF TRUSTEES

Rev. Sebastian Struyk.....	CLASSIS CALIFORNIA	Los Angeles, California
Rev. William P. Van Wyk.....	CLASSIS GRAND RAPIDS, EAST	Grand Rapids, Michigan
Rev. Garrett Hofmeyer.....	CLASSIS GRAND RAPIDS, SOUTH	Grand Rapids, Michigan
Rev. John K. Van Baalen.....	CLASSIS GRAND RAPIDS, WEST	Grand Rapids, Michigan
Rev. John J. Hiemenga.....	CLASSIS HACKENSACK	Paterson, New Jersey
Rev. Daniel Zwier.....	CLASSIS HOLLAND	Holland, Michigan
Rev. Peter Van Dyke.....	CLASSIS HUDSON	Paterson, New Jersey
Rev. Martin Van Dyke, Ph.D.....	CLASSIS ILLINOIS	Highland, Indiana
Rev. Elton J. Holtrop.....	CLASSIS KALAMAZOO	Cleveland, Ohio
Rev. William Terpsma.....	CLASSIS MINNESOTA	Prinsburg, Minnesota
Rev. Lambertus J. Lamberts.....	CLASSIS MUSKEGON	Fremont, Michigan
Rev. Ralph Bronkema, Th.D.....	CLASSIS ORANGE CITY	Orange City, Iowa
Rev. Kasjen Tebben.....	CLASSIS OSTFRIESLAND	Parkersburg, Iowa
Rev. Jacob Mulder.....	CLASSIS PACIFIC	Nobleford, Alta., Canada
Rev. Martin Monsma.....	CLASSIS PELLA	Pella, Iowa
Rev. John G. Vande Lune.....	CLASSIS SIOUX CENTER	Colton, South Dakota
Rev. Edward B. Pekelder.....	CLASSIS WISCONSIN	Sheboygan, Wisconsin
Rev. William Kok.....	CLASSIS ZEELAND	Zeeland, Michigan

EXECUTIVE COMMITTEE

Rev. Garrett Hofmeyer
Rev. Lambertus J. Lamberts, Sec'y
Rev. Martin Van Dyke, Ph.D.

Rev. William Kok
Rev. J. K. Van Baalen, President

COMMITTEE ON FINANCE

Gerrit J. Rooks, President
Rev. Daniel Zwier, Secretary
Gerrit L. Dornbos
John Hekman
Benjamin W. Hertel

Rev. William Kok
Tony Noordewier
Rev. William P. Van Wyk
Fred L. Winter

Tony Noordewier, Treasurer.....855 Kalamazoo Ave., S. E.
Henry Voss, Assistant Treasurer.....1117 Neland Ave., S. E.
Caroline Veen, Clerk.....1020 Benjamin Ave., S. E.
E. J. Norden, Janitor.....1130 Thomas St., S. E.

THE FACULTY

JOHANNES BROENE, A. M., *Acting President*
Professor of Education and Psychology
1409 Fisk Street, S. E. Telephone 5-9930

ALBERTUS J. ROOKS, A. M., *Dean*
Professor Emeritus of the Latin Language and Literature
737 Benjamin Avenue, S. E. Telephone 5-1221

JACOB G. VAN DEN BOSCH, A. M.
Professor of the English Language and Literature
857 Bates Street, S. E. Telephone 5-6054

ALBERT E. BROENE, A. B.
Professor of Modern Languages
1417 Thomas Street, S. E. Telephone 3-3835

JOHN P. VAN HAITSMA, PH. D.
Professor of Organic Science
1027 Benjamin Avenue, S. E. Telephone 3-6826

JAMES NIEUWDORP, B. S.
Professor of Mathematics
743 Fuller Avenue, S. E. Telephone 5-3765

HENRY J. G. VAN ANDEL, A. M.
Professor of the Holland Language and Literature
1231 Giddings Avenue, S. E. Telephone 5-5096

PETER HOEKSTRA, PH. D., *Secretary*
Professor of History and Political Science
1015 Worden Street, S. E. Telephone 3-4710

RALPH STOB, PH. D.
Professor of the Classical Languages
1301 Calvin Avenue, S. E. Telephone 3-4803

HENRY J. RYSKAMP, PH. D.
Professor of Economics and Sociology
1201 Sherman Street, S. E. Telephone 9-3857

HARRY G. DEKKER, M. S., *Registrar*
Professor of Chemistry
1309 Alexander Street, S. E. Telephone 3-4640

THE REV. H. HENRY MEETER, TH. D.
Professor of Bible
1045 Fuller Avenue, S. E. Telephone 5-7692

HENRY VAN ZYL, PH. D.
Professor of Educational Methods
1143 Fuller Avenue, S. E. Telephone 5-6600

SEYMOUR SWETS, A. M.
Professor of Public Speaking and Music
1300 Underwood Avenue, S. E. Telephone 5-1229

LAMBERT J. FLOKSTRA, A. M.
Associate Professor of Education
1126 Alto Avenue, S. E. Telephone 3-7089

EDWIN Y. MONSMA, PH. D.
Associate Professor of Biology
719 Fuller Avenue, S. E. Telephone 5-9861

HARRY J. WASSINK, A. B., B. S.
Associate Professor of Physics and Engineering
 1023 Calvin Avenue, S. E. Telephone 5-0746

WILLIAM THOMAS RADIUS, A. M.
Associate Professor of Classical Languages
 1341 Colorado Avenue, S. E. Telephone 5-1407

JOHN DE VRIES, PH. D.
Associate Professor of Chemistry
 1321 Fuller Avenue, S. E. Telephone 5-6687

ALBERT H. MUYSKENS, A. M.
Instructor in Physical Education
 1557 Philadelphia Avenue, S. E. Telephone 5-6752

HENRY STOB, TH. M., PH. D.
Instructor in Philosophy
 204 Benjamin Avenue, S. E. Telephone 9-0835

RICHARD DROST, PH. D.
Instructor in History
 1114 Sherman Street, S. E. Telephone 5-0951

GRACE PELS, A. M.
Dean of Women and Assistant in Education
 329 Fuller Avenue, S. E. Telephone 6-5083

ANTHONY HOEKEMA, A. M.
Assistant in Psychology and English
 823 Bemis Street, S. E. Telephone 8-2487

MARIAN SCHOOLLAND, A. B.
Assistant in English
 858 Worden Street, S. E. Telephone 5-1012

JOSEPHINE BAKER, A. M.
Librarian
 936 Twelfth Street, N. W. Telephone 8-4210

GUY W. DE BOER, M. D.
Medical Examiner
 418 Leonard Street, N. W. Telephone 7-3781

Committees

ATHLETICS—Wassink, De Vries, H. Stob.
 BOARDING PLACES AND DORMITORY—Muyskens, Meeter, Monsma, H. Stob.
 SCHOLARSHIP AND GUIDANCE—Dekker, Van Zyl, Mrs. Pels.
 DISCIPLINE—Ryskamp, Nieuwdorp, Hoekstra, Flokstra.
 EDUCATIONAL POLICY—Rooks, Vanden Bosch, Ryskamp, Dekker.
 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, Nieuwdorp, Flokstra.

ADMISSION

Aim

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 to Calvin College should be made to the Dean. Blanks will be furnished on request.

All applicants for admission must present 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.

The regular time for admission is at the beginning of the school year in September, and at the beginning of the second semester in January. The Faculty has the right, however, to accept during the school year students that meet the requirements.

All certificates and testimonials should be submitted to the Dean as soon as possible, and not later than the day of registration.

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.

C. NATURAL SCIENCE GROUP

Physics	1 unit	Zoölogy	1 unit
Chemistry	1 unit	Biology (botany, ½ unit	
Botany	1 unit	and zoölogy, ½ unit)	
		1 unit	0, 2, 3

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	0, 2, 3
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 zoölogy 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.

LESS THAN NINE HOURS. Students taking less than nine semester hours have their tuition fee computed 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 enrolment, 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 \$300.00 up.

Board and Room with Private Families

BOARD in private families will cost from four to ten dollars a week.

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 five dollars a week 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.

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, 1940.

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 should expect to complete the course at Calvin.
4. The recipient should have been in residence at the high school from which he graduates for at least his junior and senior years.
5. If in the opinion of the faculty of any of these schools 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 Prize of \$15.00 is offered for the year 1939-'40 for special excellence in the department of English. The award will be made on the basis of assigned reading and scholarship.

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.

BROODMAN DEBATING TROPHY.—All students are eligible for intramural debating in competition for the silver cup awarded by Dr. G. J. Broodman. The names of the two winners are inscribed on this cup. Calvin as a member of the Michigan Intercollegiate Speech League, each year puts into the field several teams to meet other colleges.

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 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:

MARK	INTERPRETATION	EQUIVALENT HONOR POINTS
A	Exceptional.	3
B	Good or very good.	2
C	Graduation average.	1
D	Unsatisfactory; just passable.	0
E	Condition, which may be removed by re-examination.	Minus 1
F	Failure. No re-examination.	Minus 2
Inc.	Work not completed.	

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 without excuse, 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 Thursday, Friday, and Saturday of the school year, and on the first Tuesday and Wednesday 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.

Dismission

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, Business Administration, Forestry, and 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, English, French, German, Greek, History, Latin, Mathematics, Music, Organic Science, Philosophy, Physics, Political Science, 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:

Bible 101, 102, 201, 202, 301	10 hours
English 103, 104	6 hours
French or German	8 hours
History	6 hours
Philosophy (not including Psychology or Logic)	6 hours
Natural Science	10 hours
Latin or Greek	8 hours

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

Group I. Art, Dutch, English, French, German, Greek, Latin, Music, Public Speaking.

Group II. Chemistry, Mathematics, Physics, Organic Science, Psychology.

Group III. Bible, Economics and Sociology, Education, History, Philosophy, Political Science.

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 on graduation have to his credit a total of 125 hours. For requirements see 3a (1 and 2) and b under Education below.

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:

Bible 201, 202, 301, 302	8 hours	Latin 105 and 202 or 308	6 hours
Chemistry 306	2 hours	Mathem. (Astron.) 309	2 hours
Dutch	15 hours	Org. Science 205 and 306	4 hours
Dutch History	3 hours	Philosophy	9 hours
Economics 201, 202	6 hours	Physics 305	2 hours
Education 301	3 hours	Psychology	3 hours
English incl. 103, 104	12 hours	Logic	3 hours
Greek	14 hours	Public Speaking	6 hours
New Testament Greek	6 hours	Sociology	3 hours
History	8 hours		

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

Graduate 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 on 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 by it transmitted to the State Board of Education with recommendations.

B. 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;

These centers of study may be chosen from the following subjects and subject fields:

Chemistry	German	History	Physical
Economics	History	History-Political Science	Education
Sociology	Latin	Philosophy	Sociology
Economics	Mathematics	Physics	Science (Organic)
English	Music		
French			

- (3) Prospective elementary teachers are advised to select their minors from the following—one minor from one of their four subject fields:

English Studies: Literature, Rhetoric, English Speech, Reading, Story Telling.
 Art Studies: Music, Fine Arts, Industrial Arts,
 Social Studies: Economics, Geography, History, Political Science, Sociology, Ethics
 Science Studies: Mathematics, Organic Science, Physics, Chemistry, Mental Hygiene.

b. Calvin College requirements:

- (1) Bible 10 hours
- (2) English 6 hours
- (3) History 6 hours
- (4) Foreign language 8 hours
- (5) Natural Science 4 hours

c. Prospective teachers in elementary grades should include:

- (1) Art 227 (no credit in sem. hours), and Art 301..... 3 hours
- (2) Economics 105 or 106..... 3 hours
- (3) Education 220, 320, 321, 322, 324 or 222, 341.....15 hours
One of these method courses is included in requirement a. (1) above.
- (4) Music 201 and Speech 103 or 104 or 101..... 4 hours

All the courses under c (1), (2), (3), and (4), with the exception of Art 227 and Ed. 341, can be used to round out the four minors listed under a (3) above.

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 on graduation have to his credit a total of 125 hours. For requirements see 3a (1 and 2) and b under Education below.

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 on 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 by it transmitted to the State Board of Education with recommendations.

B. 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		SECOND SEMESTER	
Bible 101	2 hours	Chemistry 102 or 104.....	4 hours
Chemistry 101 or 103.....	4 hours	English 104	3 hours
English 103	3 hours	Mathematics 104	3 hours
Organic Science 101.....	2 hours	Organic Science 202.....	4 hours
Organic Science 205.....	2 hours	History 206	3 hours
History 205	3 hours		<hr/>
	16 hours		17 hours

Sophomore Year

Bible 201	2 hours	Bible 202	2 hours
Chemistry 201	4 hours	Chem. 202 or elective.....	4 hours
French or German.....	3 hours	French or German.....	3 hours
Organic Science 201.....	4 hours	Organic Science 208.....	3 hours
Physics 201	4 hours	Physics 202	4 hours
	<hr/>		<hr/>
	17 hours		16 hours

Junior Year

Bible 301	2 hours	English or elective.....	3 hours
Chemistry 301	4 hours	Organic Science 312.....	3 hours
English or elective.....	3 hours	Educ. 312 or elective.....	3 hours
Organic Science 311.....	2 hours	Chemistry 302	4 hours
Psychology 201	3 hours	Organic Science 306.....	2 hours
	<hr/>		<hr/>
	14 hours		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 301 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

FIRST SEMESTER		SECOND SEMESTER	
Bible 101	2 hours	Bible 102	2 hours
English 103	3 hours	English 104	3 hours
Latin	3 hours	Elective	3 hours
Mathematics or Science	3 hours	Logic	3 hours
Psychology	3 hours	Mathematics or Science	3 hours
Public Speaking	2 hours	Public Speaking	2 hours

Sophomore Year

Bible 201	2 hours	Bible 202	2 hours
English	3 hours	English	3 hours
History 203	3 hours	History 204	3 hours
Latin, French or German	3 hours	Latin, French or German	3 hours
Political Science	3 hours	Political Science	3 hours
Sociology 203	3 hours	Sociology 204	3 hours

Junior Year

Bible 301	2 hours	English	3 hours
English	3 hours	History 302	3 hours
History 301	3 hours	Political Science	3 hours
Political Science	3 hours	Latin 320 (Rom. Cul.)	3 hours
Elective	3 hours	Elective	2 or 3 hours

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. 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

FIRST SEMESTER		SECOND SEMESTER	
Chemistry 101 or 103	4 hours	Bible	2 hours
English 103	3 hours	Chemistry 102 or 104	4 hours
Mathematics 103	3 hours	English 104	3 hours
Drawing 101	3 hours	Mathematics 104	3 hours
Public Speaking 103	2 hours	Drawing 102	3 hours
	<hr/>		<hr/>
	15 hours		15 hours

Sophomore Year

Economics 201	3 hours	Economics 202	3 hours
Mathematics 201	4 hours	Mathematics 202	4 hours
Drawing 201	2 hours	Physics 202E	5 hours
Physics 201E	5 hours	Physics 204	1 hour
Physics 203	1 hour	Elective	2 hours
Engineering *207	2 hours		
	<hr/>		<hr/>
	17 or 15 hours		15 hours

Junior Year

Bible 201	2 hours	Bible	2 hours
Chemistry 201	4 or 5 hours	Mathematics 302	5 hours
Mathematics 301	5 hours	Elective	3 hours
Engineering *207	2 hours	Statics 302	3 hours
Elective	3 hours	Modern Physics 304	3 hours
	<hr/>		<hr/>
	16 or 17 hours		16 hours

* Surveying offered every even year.

Three-Year Chemical Pre-Engineering Course

Freshman Year

Chemistry 101 or 103	4 hours	Bible	2 hours
English 103	3 hours	Chemistry 102 or 104	4 hours
Drawing 101	3 hours	English 104	3 hours
Mathematics 103	3 hours	Drawing 102	3 hours
Public Speaking 103	2 hours	Mathematics 104	3 hours
	<hr/>		<hr/>
	15 hours		15 hours

Sophomore Year

Chemistry 2015 hours	Bible2 hours
Mathematics 2014 hours	Chemistry 2025 hours
Drawing 2012 hours	Mathematics 2024 hours
Physics 201E5 hours	Physics 202E5 hours
Physics 2031 hour	Physics 2041 hour
17 hours	17 hours

Junior Year

Bible 3012 hours	Chemistry 3043 hours
Chemistry 3014 hours	Economics 2023 hours
Economics 2013 hours	Mathematics 3025 hours
Mathematics 3013 hours	Statics 3023 hours
Elective3 hours	Modern Physics 3043 hours
17 hours	17 or 16 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	SECOND SEMESTER
*Bible2 hours	*Bible2 hours
*English 1033 hours	*English 1043 hours
*Lab. Science4 or 5 hours	*Lab. Science4 or 5 hours
Econ. Geog.3 hours	Sociology 102 or 204...3 hours
Two of the following:	Two of the following
Mathematics, Foreign	continued:
Language, History,	Mathematics, Foreign
Geography6 hours	Language, History,
	Geography6 hours

Sophomore Year

*Bible2 hours	*Bible2 hours
*Economics 2013 hours	*Economics 2023 hours
*Economics 301 or 303...3 hours	*Economics 302 or 308...3 hours
Psychology 2013 hours	Philosophy 2023 hours
Public Speaking 1032 hours	Public Speaking 1042 hours
Electives3 hours	Electives3 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.

Pre-Forestry

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; i. e., 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. RECOMMENDED PROGRAM. The following constitutes a recommended three-year pre-Forestry program in which the subjects marked with an asterisk are required by most schools of forestry and others are desirable electives.

THREE-YEAR COURSE

Freshman Year

FIRST SEMESTER	SECOND SEMESTER
*Chemistry 101 or 103...4 hours	Bible 1022 hours
Drawing 1013 hours	*Chemistry 102 or 104...4 hours
*English 1033 hours	*English 1043 hours
*Mathematics 1033 hours	*Mathematics 1043 hours
*Organic Science 1014 hours	*Organic Science 2024 hours

Sophomore Year

Bible 2012 hours	Bible 2022 hours
*Economics 2013 hours	*Economics 2023 hours
French or German 101, or	French or German 102, or
Organic Science 201...4 hours	Organic Science 302...4 hours
Mathematics 201 or	*Statistics3 hours
Elective3 or 4 hours	*Surveying2 or 3 hours
Public Speaking 103.....2 hours	

Junior Year

Bible 301	2 hours	English 302 or 304	3 hours
English 301 or 302	3 hours	French or German 202	
French or German 201, or		or Elective	3 hours
Organic Science 305.....	3 hours	*Organic Science 204	2 hours
*Organic Science 203.....	2 hours	Physics 202	4 hours
Physics 201	4 hours		
Electives	2 or 3 hours		

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 unit completed in high school.

The course in Surveying may be taken at Grand Rapids Junior College either during the Sophomore or Junior year.

4. DISTRIBUTION OF ELECTIVES. For their electives students should choose such subjects as are required for admission to the particular school of forestry which they expect eventually to attend. Such electives must have the approval of the Dean.

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 school of forestry.

In addition to the above course, two years of study in a forestry school are required for professional forestry. The satisfactory completion of this five-year program entitles the student to the degree of Master of Science in Forestry at the University of Michigan.

Pre-Nursing Course

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

FIRST SEMESTER		SECOND SEMESTER	
Bible 101	2 hours	Bacteriology 108	3 hours
English 103	3 hours	Anat. and Physiol.....	4 hours
Organic Science 101.....	2 hours	History of Nursing.....	2 hours
Hygiene 103	2 hours	Drugs and Solutions.....	3 hours
Chemistry 101N	4 hours	Nutrition (at G. R.	
Psychology 201.....	3 hours	Junior College)	3 hours
	<hr/>		<hr/>
	16 hours		15 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	Public Speaking	4 hours
Chemistry	4 hours	Sociology	3 hours
European History	4 hours	Zoology	4 hours
Psychology	3 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 331 and 332 may be credited in the Dutch department. They are of great benefit to teachers and students of history and literature.

227. **PENMANSHIP** *Two hours*
Theory and practice. Freeman system. Blackboard writing also included. No college credit given for this course.
301. **INDUSTRIAL ART** *Three hours*
Art education in the elementary school will be treated in the manner of Mathias' *The Teaching of Art*.
331. **FLEMISH PAINTING** *Three hours*
A course in the Flemish and Dutch primitives and Italianizers, 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.
332. **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 the individual books.
102. **INTRODUCTION TO THE BOOKS OF THE BIBLE** *Two hours*
Continuation of 101.
201. **REFORMED DOCTRINE** *Two hours*
The aim is 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, ethics, political life, social life, science, art, 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, \$3.00. Breakage fee, \$5.00. Prerequisite: no previous training in chemistry required, but student should have knowledge of physics.
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 \$3.00. 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: 103 and 104, or 101 and 102.
202. **QUANTITATIVE ANALYSIS** *Four hours**
Two hours in the class-room and from eight to ten hours of laboratory work per week. Laboratory fee, \$3.00. Breakage fee, \$5.00. Prerequisite: 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. Prerequisites: 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 semester course designed to satisfy requirements for medical schools and to acquaint the student with fundamental principles, such as kinetic theory of gases, liquids, solutions, conductance, and electromotive 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 301 and preferably Physics 201 and 202.

* For students majoring in chemistry five hours will be arranged.

- 330m. **TEACHERS' COURSE** *One hour*
 Methods of teaching chemistry in secondary schools. Prerequisite: two years of chemistry.

Dutch

A. DUTCH LANGUAGE

101. **ELEMENTARY GRAMMAR** *Three hours*
 Conjugations and declensions. Required outside reading. Four hours is required of those whose reading knowledge of Dutch is deficient.
102. **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 romantic authors, in some modern Dutch authors, and in folklore. 1939-'40.
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 Linguaphone 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. 1940-'41.
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. 1940-'41.
305. **DUTCH ROMANTICISM** *Three hours*
 Special study of Bilderdijk and Da Costa. Required outside reading and essays. Given 1939-'40.
306. **MODERN LITERATURE** *Three hours*
 The modern movements of naturalism, symbolism, and neo-classicism. Required outside reading and essays. Given in 1939-'40.
- NOTE: Courses 101, 102, 303, 305, and 306 and Dutch history 322 are required of those who take the pre-Seminary course.
 For courses 303, 305, and 306 may be substituted 201, 202, and 203.

B. MEDIÆVAL AND DUTCH HISTORY

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. 1940-'41.
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 (1000-1350)** *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 (1350-1568)** *Three hours*
 A short review of the history of the Netherlands up to 1350. The age of unrest. The Christian and the Flemish Renaissance; the Italian Renaissance, and its distribution over Western Europe through the Brethren of the Common Life. The Renaissance spirit. The Reformation and its intensive character in the Netherlands. Given in 1939-'40.
326. **THIRD RENAISSANCE AND REVOLUTION (1568-1815)** *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 plutocracy and rationalism in the eighteenth century. The spirit of the French Revolution as manifested in Holland. The rebirth of Calvinism as a political and cultural power after 1815. Given in 1939-'40.

C. DUTCH ART

331. **FLEMISH PAINTING** *Three hours*
 The Flemish and Dutch Primitives and Italianizers between 1400 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 (1600-1700) 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.

203. 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.

204. SOCIAL PROBLEMS *Three hours*

A continuation of 203 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.

301. (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 rôle 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.

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

A continuation of 301. The financial promotion of corporations and of trusts; the trust problem. Given in 1939-'40.

303. (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.

304. (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.

309. (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.

SOCIAL CASE WORK *One hour*

Sociology students interested in social work have the opportunity of doing volunteer case work for agencies 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.

305. HISTORY OF EDUCATION *Three hours*

A survey of the growth of educational theory and practice during the ancient and mediæval periods.

306. HISTORY OF EDUCATION *Three hours*

A continuation of 305 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.

303. PRINCIPLES OF GUIDANCE *Two hours*

Deals with personal, recreational, educational, and vocational guidance of youth.

313. 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 technique in each of the types of subjects in the curriculum is 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 MUSIC 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 technique in elementary school music. Demonstration lessons will be observed by the class as a whole.

307. 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 BIBLE 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*
324. TEACHING HISTORY *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. The course includes political science as applied in the United States.
326. TEACHING ENGLISH IN SECONDARY SCHOOLS *One, two, or three hours*
Content as well as method receives attention. Same as English 330m. Two hours devoted to content; one to method.
328. TEACHING LATIN *Three hours*
Same as Latin 327 and 330m 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 342 is a prerequisite. Offered both semesters. At least one method course must precede Practice Teaching.
- 330m. THE TEACHING OF LATIN OR ENGLISH, ETC.
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 *Three hours*
The principles of orthographic projection; practice in the making of working drawings; practice in lettering; and tracing. Three two-hour drafting-room periods, three hours home work a week.
102. DESCRIPTIVE GEOMETRY *Three hours*
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.

201. MECHANISM AND SKETCHING *Two hours*
Sketching of models in orthographic, isometric, and oblique projection; practice in the making of working drawings from sketches; free-hand lettering. Two two-hour drafting-room periods, two hours home work a week. Prerequisite: 102.
207. SURVEYING *Two hours*
Elementary theory and practice; use of instruments, reading verniers and angles; running straight lines; traverse survey; computing areas; leveling; profile; grade stakes; note keeping. Lectures, text assignments, one recitation, and one four-hour field period. Prerequisite: Mathematics 104. Offered every even year.
302. STATICS *Three hours*
Study of fundamental principles of mechanics and their application to the simpler problems of engineering. Forces, components, moments, cables, friction, centroids, moments of inertia. Recitations, lectures, problems. Must be preceded or accompanied by Mathematics 302 and Physics 202.

English

103. FRESHMEN ENGLISH *Three hours*
Composition and rhetoric. This is a basic course required of all Freshmen.
104. FRESHMEN ENGLISH *Three hours*
This is a continuation of the preceding course. Both 103 and 104 are prerequisites to all other courses in English.
201. AMERICAN LITERATURE *Three hours*
From the beginning to 1840. A study of the religious, political, social, and artistic background of our national culture.
202. AMERICAN LITERATURE *Three hours*
The New England group, post-bellum realism, the historical romance, naturalism, and the new poetry.
205. FROM THE BEGINNING TO 1600 *Three hours*
Emphasis upon Beowulf, the metrical romance, Chaucer, the humanists, and the non-dramatic writers of the Elizabethan age. Not given in 1939-40.
207. THE ELIZABETHAN PERIOD *Three hours*
A study is made of the Renaissance as it manifests itself in literature, particularly in drama.
208. THE SEVENTEENTH CENTURY *Three hours*
The literature of the whole century is surveyed, with special emphasis upon John Milton and his work. 1939-40.
210. THE EIGHTEENTH CENTURY *Three hours*
The entire thought background of the eighteenth century, with emphasis on the neo-Classical school and the rise of Romanticism. 1940-41.
301. THE ROMANTIC MOVEMENT *Three hours*
History and characteristics of Romanticism. Emphasis upon Wordsworth, Coleridge, Byron, Shelley, and Keats.
302. THE VICTORIAN PERIOD *Three hours*
Survey of the period with special attention to Tennyson, Browning, Matthew Arnold, Clough, and Swinburne.
303. CONTEMPORARY LITERATURE OF ENGLAND *Two or three hours*
Fiction from 1890 to the present day. The work is related to continental fiction. Open to Seniors.

304. CONTEMPORARY LITERATURE OF ENGLAND *Two or three hours*
Drama and poetry since 1890 are considered in connection with continental movements and the authors representing them. Open to Seniors.
305. PRINCIPLES OF LITERATURE *Three hours*
Literature: its place in philological encyclopedia and aesthetics, its nature, its various forms, and kindred topics. 1939-'40.
306. ADVANCED RHETORIC *Three hours*
Open only to those who receive special permission. Not offered in 1939-'40.
308. DEBATING *Two hours*
The theory of argumentation and practice in debating.
310. NINETEENTH CENTURY PROSE *Three hours*
A study of the prose of the nineteenth century, fiction excluded. Offered in 1939-'40.
312. THE NOVEL *Three hours*
A survey of the English novel from the beginning to Meredith.
- 330m. TEACHERS' COURSE *One, two, or three hours*
Review of grammar and rhetoric, and a study of the methods of teaching English in secondary schools. Prerequisite: at least seven of the courses offered in this department. First Semester. 1940-'41.

French

101. ELEMENTARY FRENCH *Four hours*
Grammar, pronunciation, composition, dictation, oral drill, and conversation are intended to impart a certain amount of ear-training and ability to understand simple spoken French.
102. CONTINUATION OF 101 *Four hours*
Text in both courses: Fotos and Cattell, *Practical French Grammar*. This is followed by the reading of easy prose.
201. INTERMEDIATE FRENCH *Three hours*
Reading of about two hundred pages of easy nineteenth century text. Special stress on idiom. Composition based on text read. Prerequisite: 101 and 102.
202. CONTINUATION OF 201 *Three hours*
Reading of about three hundred pages of modern prose. Composition and thorough review of grammar throughout the year. About six hundred pages of outside reading is required for the year.
301. THE ROMANTIC MOVEMENT *Three hours*
A history of French literature of the first half of the nineteenth century. Collateral reading and reports. Prerequisite: 101 to 202.
302. NINETEENTH CENTURY—SECOND HALF *Three hours*
A history of French literature since the middle of the nineteenth century. Collateral reading and reports. Prerequisite: 101 to 202.
303. THE CLASSIC PERIOD *Three hours*
A study of French literature and 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.

304. THE CLASSIC PERIOD *Three hours*
A continuation of 303, dealing with the later seventeenth century literature, with special attention to Moliere and Racine. 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. Courses 303 and 304 are not offered during 1940-'41.
- 330m. 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 *Four hours*
Grammar and composition. Text: Vos, *Essentials of German*.
102. CONTINUATION OF 101 *Four hours*
Study of grammar continued. Reading of at least one hundred pages of modern prose and poetry.
201. INTERMEDIATE GERMAN *Three hours*
Reading of nineteenth century prose. Review of the more important parts of grammar. Composition and dictation. Prerequisite: 101 and 102.
202. INTERMEDIATE GERMAN CONTINUED *Three hours*
Intensive study of modern prose and poetry. By stress upon idiom and otherwise, effort is made throughout the year to create *Sprachgefühl*. Outside reading with reports required to the extent of at least eight hundred pages for the year. Prerequisite: 201.
301. THE ROMANTIC PERIOD *Three hours*
A survey of German literature of the first half of the nineteenth century. Collateral reading and reports. Prerequisite: 202. Not offered during 1940-'41.
302. REALISM *Three hours*
History of German literature since the middle of the nineteenth century. Collateral reading and reports. Prerequisite: 202. Not offered during 1940-'41.
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. Papers on related subjects. Prerequisite: 202.
304. LATER NINETEENTH CENTURY DRAMA *Three hours*
A study of Hauptmann and Sudermann and their times. Assigned readings and reports. Prerequisites: 202 and 303. Courses 303 and 304 are not offered during 1940-'41.
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 305.
320. SCIENTIFIC GERMAN *One hour*
Students wishing to take this course should confer with the professor in charge at the opening of the school year.
- 330m. 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, 201, 202, 313, 314.

101. BEGINNERS' GREEK *Four hours*
Text: Crosby 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.
301. PLATO *Two or three hours*
The *Apology* or *Phaedo* is read. Lectures and discussions on Plato and his times. Prerequisite: 202 or 204.
302. PLATO *Two or three hours*
The *Republic* is read. Lectures and discussions. Prerequisite: 202 or 204.
313. 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 detail 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 (*i. e.* 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.

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 1200 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. Presupposes 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 near 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. Prerequisites: 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 Sophomore 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 *Three hours*
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 (1400-1568) *Three hours*
See page 41.
326. THIRD RENAISSANCE AND REVOLUTION (1568-1815) *Three hours*
See page 41.
- 330m. TEACHERS' COURSE
Methods of teaching history in secondary schools. Prerequisite: twenty-one to twenty-two hours of history.

Latin

Students who expect to teach Latin and are candidates for a State Teachers' Certificate, must have completed at least twenty hours of work in this department beyond the two units required for admission, and must include Courses 320, 327, 330m.

Students who expect to graduate from the four-year pre-Seminary Course must complete six semester hours beyond the two units of Latin required for admission, and must include Course 202, 308, or 312. Those who with admission offer more than two units of Latin may reduce the requirements by three semester hours for every unit taken in the high school beyond the two units.

- 101-102. **ELEMENTARY LATIN** *Four hours first semester*
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 101-102 unless credit has been earned for 103-104.
- 103-104. **SECOND YEAR LATIN** *Four hours second semester*
The continuation of the first semester's work and includes a part of Cæsar's *Gallic Wars*. Equivalent to one unit of Latin for admission.
105. **ROMAN ORATORY** *Three hours*
Catilinarian 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 *Æneid*. Translation and interpretation, metrical reading, and studies in Roman mythology.
300. **POETRY** *Three hours*
Selections from the various works of Ovid. Study of Latin prosody and Roman mythology.
Students will be given the privilege to select this course or 306 or 310.
301. **PHILOSOPHICAL TREATISES** *Three hours*
Cicero's *De Senectute* and *De Amicitia*. Papers by the students on assigned subjects.
303. **ROMAN HISTORIANS** *Three hours*
Livy, Book XXI: the history and the life of Rome during the period of the Punic Wars.
Students will be given the privilege to select this course or 305.
305. **ROMAN COMEDY** *Three hours*
Terence: *The Adelphi* and *the Andria*.
306. **HORACE: Odes and Epodes** *Three hours*
See note under 300.
307. **AUGUSTAN LATIN** *Three hours*
This course comprises selections taken from Livy, Ovid, Caesar, Sallust, Vergil, Cicero, Horace.
308. **CHRISTIAN AND MEDIÆVAL 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. **CATULLUS** *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*
This course is required of all students who expect to teach Latin, and is open to students who have had at least two units of high school Latin. In this course such subjects as these will be studied: travel and correspondence; Rome, the Imperial City; the family and the position of women; children and education; religion and philosophy, and so forth. Lectures, text-books, assigned readings, term papers.

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 Cæsar and Cicero will be carefully studied and reviewed.
This course and 330m may be offered as a three hour methods course in the department of Education. Same as Education 328.

- 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.
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. **PLANE TRIGONOMETRY** *Three hours*
Prerequisite: 101.
201. **PLANE ANALYTIC GEOMETRY** *Four hours*
Prerequisite: 103 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 302.
304. **THEORY OF EQUATIONS** *Three hours*
Prerequisite: 301 and 302.
307. **SOLID ANALYTIC GEOMETRY** *Three hours*
Prerequisite: 301 and 302.
308. **STATISTICS** *Four hours*
Emphasis on statistical methods. Prerequisite: 101 and 104; 103 is highly desirable.
309. **ASTRONOMY — 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)
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.
Open to all who meet the requirements of voice and musicianship.
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 *Two 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) *Two hours*
Secondary triads, dominant seventh, dominant ninth, and their inversions.
- 207-208. A CAPELLA CHOIR *Half 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 *One hour*
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 opera, 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. 1940-41.

306. HISTORY OF MUSIC *Three hours*
Continuation of 305.
309. 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 Anel.
310. ORGAN
Twelve chorale preludes of Bach, Elert, Dupré, and Brahms; 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, Elert, Yon, and Sowerby. Prerequisite: 309. Professor Van Anel.

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 101 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.
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 invertebrate 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. PLANT MORPHOLOGY *Four hours*
The classification of plants based upon a comparative study of their structures. Much time is devoted to a systematic study of the families of the flowering plants. 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 vertebrate 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 materials. Maintenance of laboratory cultures. Microscopic technique: killing, fixing, dehydrating, embedding, sectioning, staining, and mounting of microscopic preparations for botany, zoology, and physiology. Laboratory fee, \$3.00. 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, evidences for evolution, and organic teleology. Lectures, assigned readings, recitations, and reports. Prerequisite: 205.

311. VERTEBRATE ZOOLOGY *Three 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 antecedent.

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.

330m. TEACHING OF BIOLOGY *One hour*
The point of view, contents, and methods of teaching secondary school botany, zoology, and human physiology and hygiene. Prerequisites: 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.

206. HISTORY OF PHILOSOPHY: GREEK AND CHRISTIAN *Three hours*
An attempt to analyze and appreciate the problems of philosophy as incorporated in the historic development from Thales to the medieval rediscovery of Aristotle. Text, discussions, readings. Prerequisite: 203.

301. HISTORY OF PHILOSOPHY: MODERN *Three hours*
Continuation of 206. A study of the development of philosophical thought from Thomas Aquinas to the present. Text, readings, papers. Prerequisite: 203, 206.

303. ETHICS *Three hours*
A course in moral philosophy conducted by way of a critical evaluation of rival ethical theories. Lectures, readings, discussions.

304. METAPHYSICS *Three hours*
An attempt, through a consideration of ontological and cosmological problems, to lay bare the outlines of a philosophical system. Discussions, readings, paper.

309. PLATO *Three hours*
A systematic presentation of Plato's thought and a consideration of its historical significance. Readings, discussions, paper.

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

304. COMMUNITY ACTIVITIES *Two hours*
The theory and practice of community, playground, and recreational activities.

Physics

201. GENERAL PHYSICS *Four hours*
Mechanics, sound, and heat. Prerequisite: Preparatory course in physics and a course in plane trigonometry. Three recitations and one two-to-three-hour laboratory period a week. Laboratory fee, \$3.00.
202. GENERAL PHYSICS *Four hours*
Electricity and light. Continuation of 201. Three recitations and one two-to-three-hour laboratory period a week. Laboratory fee, \$3.00.
- 201E. GENERAL PHYSICS *Five hours*
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.
- 202E. GENERAL PHYSICS *Five hours*
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.
203. PHYSICS PROBLEM COURSE *One hour*
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.
204. PHYSICS PROBLEM COURSE *One hour*
Should be preceded by or accompany 202 or 202E. Consists of exercises in magnetism, electricity, and light. One recitation a week.
304. MODERN PHYSICS *Three hours*
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-ray, atomic spectra, molecular structure and radioactivity. Prerequisite: Physics 202 or 202E.
305. SURVEY COURSE *Three hours*
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.

Political Science

301. INTRODUCTION TO POLITICAL SCIENCE *Three hours*
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.
302. INTRODUCTION TO POLITICAL SCIENCE *Three hours*
Continuation of 301, which is prerequisite.
303. AMERICAN GOVERNMENT *Three hours*
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 1939-'40.
304. AMERICAN GOVERNMENT *Three hours*
Continuation of 303, which is prerequisite.
Courses 301 to 304 are open to Juniors and Seniors.

Psychology

201. INTRODUCTORY PSYCHOLOGY *Three hours*
A general course in psychology for beginners. This course is repeated in the second semester.
202. EDUCATIONAL PSYCHOLOGY *Three hours*
Course 201, or its equivalent, is a prerequisite.
204. GENETIC PSYCHOLOGY *Three hours*
A study of the psychology of the child. Course 201, or its equivalent, is a prerequisite. Not given 1940-'41.
302. MENTAL HYGIENE *Two hours*
A study of personal attitudes toward reality and the solution of maladjustment by means of integration.
312. THE PSYCHOLOGY OF ABNORMAL PEOPLE *Three hours*
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 neuroses. 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.

Public Speaking

- ORATORY. One hour of credit for not more than one semester is offered to students who participate in intercollegiate speaking contests.
- DEBATING. Two hours of credit is given to students who take part in intercollegiate debating.
101. STORY TELLING *Two hours*
Throughout the course the major emphasis will fall on practice in story telling in view of elementary school needs.
103. SPEECH-MAKING *Two hours*
The writing and delivery of short original speeches and orations to develop a direct, forceful, conversational style.
104. SPEECH-MAKING *Two hours*
Continuation of 103, together with a study of speech form and speech qualities.
201. INTERPRETATIVE READING *One hour*
The principles of interpretation and expression. Oral interpretation of representative selections before the class.
202. INTERPRETATIVE READING *One hour*
Continuation of 201.
203. GREAT ORATORS *One hour*
Study of great English orators. Declamations and topical speeches. Not taught during 1940-'41.

204. GREAT ORATORS *One hour*
 Study of great American orators. Declamations and topical speeches. Not taught during 1940-'41.
301. ADVANCED SPEECH COMPOSITION *Two hours*
 A study of the psychological techniques involved in effective speech composition. Speeches and orations. Intended for seniors of the pre-Seminary course.
303. INTERCOLLEGIATE EXTEMPORE SPEAKING *One hour*
305. INTERCOLLEGIATE PEACE ORATORY *One hour*
307. INTERCOLLEGIATE ORATORY (M. I. S. L.) *One hour*
310. INTERCOLLEGIATE INTERPRETATIVE READING *One hour*

Special Courses

- 102N. DRUGS AND SOLUTIONS *Three hours*
 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 *Two hours*
 Required of students who desire to enter the training school of Blodgett Hospital for nursing.

REGISTER OF STUDENTS

Seniors

NAME	HOME ADDRESS
Ackerman, Walter	German Valley, Illinois
Baker, Arthur G.	Grand Rapids
Boomsma, Clarence	Wheatfield, Indiana
Boonstra, Lillian	Grand Rapids
Bosch, Gerald	Zeeland
Bosch, Henry Gerard	Grand Rapids
Bosma, Edith	Grand Rapids
Bossenbroek, Edward	Waupun, Wisconsin
Bouma, Donald Herbert	Grand Rapids
Bouwman, Frederick L.	Grand Rapids
Bouwman, Mary Elinor	Grand Rapids
Bratt, Murvel	Holland
Brink, Ruth Alberta	Grand Rapids
Brondsema, John S.	Muskegon Heights
Bronkhorst, Wilma Anne	Holland
Brouwer Tony	Chicago, Illinois
Bruggink, Cornelius C.	Grand Rapids
Bush, Agnes	Clifton, New Jersey
Buter, Gordon H.	Holland
Buus, C. Oliver	Holland, Iowa
Conlon, Ernest Thomas	Grand Rapids
Cooper, Evelyn Lois	Chicago, Illinois
Daverman, Marian A.	Grand Rapids
De Boer, Lester	Corsica, South Dakota
De Jonge, Antoinette	Grand Rapids
De Jonge, Peter Jay	Zeeland
Dekker, Ahleen Mae	Grand Rapids
De Kruyter, Carol	Grand Rapids
De Mooy, Adrian	Oak Park, Illinois
De Vries, Peter Joseph	Spring Lake
Doezema, Edward	Grand Rapids
Donker, Betty Louise	Grand Rapids
Dwelle, Margaret	Grand Rapids
Eldrenkamp, Nancy	Evergreen Park, Illinois
Engel, Virginia Eleanor	Kalamazoo
Fuehrer, Kathleen Viola	Grand Rapids
Goulooze, Jean Ann	Grand Rapids
Grevengoed, Thelma Mae	Holland
Groeneveld, Betty Ruth	Grand Haven
Hendrickson, Lawrence	Grand Rapids
Heynen, William	Orange City, Iowa
Heyns, Roger William	Grand Rapids
Hollebeek, John F.	Lynden, Washington
Holtrop, Paul Francis	Ferrysburg
Huiner, Alyce	Cicero, Illinois
Jenema, Sylvia Sue	Falmouth
Jurgens, Ruth Edna	Grand Rapids
Kleist, Jean Mildred	Grand Haven
Klesner, Mary Louise	Grand Rapids
Kuiper, Janet Ruth	Chicago, Illinois
Lam, Nellie	Zuni, New Mexico
Licatesi, Vincent Charles	Chicago, Illinois
Mitchell, Matthew J.	Grand Rapids
Mulder, Donald William	Cutlerville

NAME	HOME ADDRESS
Muyskens, Cecilia Mildred	Grand Rapids
Olthof, Margaret Enid	Grand Rapids
Oostenink, Dick John	Hull, Iowa
Petzinger, Ruth Jeannette	Hawthorne, New Jersey
Plantinga, Claire Anne	Oak Park, Illinois
Poortenga, Rozena	Hudsonville
Ray-Jones, Mabel L.	Fruitport
Ringelberg, Ruth Doris	Grand Haven
Roose, Irene	Pella, Iowa
Rus, Evelyn	Byron Center
Scholten, John Cornelius	Grand Rapids
Schulhouse, Dorothy Edith	Oak Park, Illinois
Sluyter, Richard Myron	Grand Rapids
Smith, Lambertus Peter	Midland Park, New Jersey
Stob, Lois	Grand Rapids
Struck, William A.	Paterson, New Jersey
Teeuwissen, Raymond Woodrow	Bruges, Belgium
Tinholt, Donna Althea	Holland
Tromp, Roberta Jean	Grand Rapids
Vander Ark, Gertrude	Manhattan, Montana
Vander Heide, Tony Jack	Grand Rapids
Vander Jagt, Peter	Grand Rapids
Vander Wall, Walter R.	New Era
Van Haitsma, Janice Kathryn	Grand Rapids
Van Houten, Ruth	McBain
Van Kulken, Sophia	Grand Rapids
Van't Hof, Jeannette Marie	Grand Rapids
Van Wesep, Fanne	Grand Rapids
Ver Wys, Marvin James	Grand Rapids
Visser, John William	Hull, Iowa
Waalkes, Jean Mae	Grand Rapids
Wevers, John William	Baldwin, Wisconsin
Wheeler, Robert Rogers	Grand Rapids
Wielhouwer, John Daniel	Grand Rapids
Wildschut, Ralph	Zeeland

Juniors

NAME	HOME ADDRESS
Atkins, Robert William	Grand Rapids
Austin, Walter S.	Grand Rapids
Baarman, Marvin Chris	Zeeland
Bajema, Henry	Grand Rapids
Bajema, William John	Sheldon, Iowa
Baker, Frances	Edgerton, Minnesota
Bekkering, Joe	Amsterdam, Netherlands
Bennett, William Dudley	Grand Rapids
Beukema, Marenus	Grand Rapids
Boertje, Paul Arthur	Pella, Iowa
Bossenbroek, Bertha	Waupun, Wisconsin
Brashler, Clarence	Harvey, Illinois
Bratt, Albertus	Holland
Brink, Peter Leonard	Grant
Brower, John Jay	Chicago, Illinois
Bult, John Charles	Grand Rapids
Dame, Ruth Lois	Grand Rapids
De Beer, Ruth Cora	Passaic, New Jersey
De Bruyn, Adeline	Sioux Falls, South Dakota
De Haan, Clarence	De Motte, Indiana
De Haan, Trina Lydia	Geddes, South Dakota

NAME	HOME ADDRESS
Dekker, Charles	Grand Rapids
De Korne, Richard B.	Grand Rapids
Den Besten, Franklin	Grand Rapids
De Vries, Anna Belle	Otley, Iowa
De Wind, Loren T.	Garfield, New Jersey
De Wit, Carolyn Nelle	Muskegon
Dickerson, Avis Fern	Redlands, California
Dresselhuis, Edene Alice	Grand Rapids
Dubois, Walter G.	Parkersburg, Iowa
Euwema, Angelyn Jean	Grand Rapids
Garbrecht, Fred C.	Oak Park, Illinois
Gates, Elmore Emerson	Grand Rapids
Geisel, Clarence H.	Grand Rapids
Gezon, Esther Jean	Grand Rapids
Goris, Louise Jeannette	Grandville
Gray, Mitchell Lincoln	Lafayette, Indiana
Hager, Patricia Marie	Grand Rapids
Helder, Roger John	Grand Rapids
Heyns, Wilma	Grand Rapids
Hoffman, Claire Jean	Grand Rapids
Hoffman, Walter	Grand Rapids
Hoogsteen, Eleanor Winifred	Grand Rapids
Hoogstra, Edwin William	Grand Rapids
Hoolsema, Peter	Chicago, Illinois
Huisman, Peter	Cutlerville
Idema, William Wren	Midlothian, Illinois
Jabaay, Mabel	Grand Rapids
Jagt, Dena	Lansing, Illinois
Karczynski, Raymond Walter	Hasbrouck Heights, N. J.
Kok, Peter	Grand Rapids
Kuipers, Louis	Zeeland
Lamberts, Robert	Grand Rapids
Lamer, Marvin	Grand Rapids
Martinius, Martin	Zeeland
Mellema, Kathryn	Holland
Molemaker, Winifred	Chicago, Illinois
Mulder, G. Arthur	Grand Rapids
Mulder, Gladys A.	Nobleford, Alberta, Canada
Olthoff, John Harry	Cutlerville
Ottenhoff, Claire Grace	Chicago, Illinois
Petersen, Jeannette	Hinsdale, Illinois
Plas, Johanna	Grand Haven
Post, Connie	Grand Rapids
Posthuma, Albert	Grundy Center, Iowa
Posthumus, John	Grand Rapids
Ritzema, Don Jack	Grand Rapids
Roetman, Tim	Grand Rapids
Rottschaefter, John Henry	Hull, Iowa
Rozeboom, Tryphena	Grand Rapids
Rus, Marvin	Crookston, Minnesota
Schaafsma, Bernard	Byron Center
Schuringa, Irene	Grand Rapids
Shoemaker, Jacob Henry	Lansing, Illinois
Spurgat, Edward	Zeeland
Stevens, Miriam Romaine	Grand Rapids
Teele, Edla Clarissa	Grand Rapids
Thomasma, Tom R.	Grand Rapids
Toeset, Carl John	Grand Rapids
Tuinstra, Marie Jean	Denver, Colorado
Ubbink, Elmer Gordon	Grand Rapids
Van Baren, Esther	Grand Rapids
Vander Meer, June F.	South Holland, Illinois
	Grand Rapids

NAME	HOME ADDRESS
Vander Tuin, John	Grand Rapids
Van Dyken, Alexander Robert	Grand Rapids
Van Eerden, Helen Annette	Ada
Van Herp, Nella Wilma	Grand Rapids
Van Laar, Frances	Willard, Ohio
Van Lonkhuyzen, Calvin G. A.	Netherlands
Van Puttén, Robert William	Grand Rapids
Van Wylen, Gordon J.	Grand Rapids
Velzen, Bernard Henry	Grand Rapids
Ver Merris, Elmer H.	Grand Rapids
Westra, Dorothy	South Holland, Illinois
Williams, Helen Elizabeth	Grand Rapids
Wood, Leon James	Kent City

Sophomores

NAME	HOME ADDRESS
Alofs, John W.	Grand Rapids
Andriesen, Winifred	Lynden, Washington
Anema, Theodore	Grand Rapids
Ash, Muriel Helen	Paterson, New Jersey
Baker, Millicent Ann	Grand Rapids
Bazuin, Harriet Marian	Holland
Bel, Harriet	Berwyn, Illinois
Bere, Lambert	Chicago, Illinois
Bielema, Alvin Gene	Fulton, Illinois
Bloem, Celia Cora	Grand Rapids
Boer, Edward	De Motte, Indiana
Bolt, John	Nutley, New Jersey
Bolt, Robert James	Grand Rapids
Boonstra, Charles John	Muskegon
Bos, Gerda	Oak Lawn, Illinois
Bosch, Shirley	Comstock Park
Bossenbroek, Ophelia	Waupun, Wisconsin
Bouwer, Tena Kay	McBain
Bouwsma, Otis	Kalamazoo
Brandsma, Karst Antony	Monroe, Washington
Broene, Aladdin Edgar	Grand Rapids
Broene, Herman Henry	Grand Rapids
Bronkema, Betty Lou	Orange City, Iowa
Buurma, Alice E.	River Forest, Illinois
Buurma, Gladys Alice	River Forest, Illinois
Daverman, Esther Grace	Grand Rapids
De Boe, Bernard James	Grand Rapids
De Jong, Peter George	Grand Rapids
Dekker, Peter	Sheboygan, Wisconsin
Deur, Harriet Jane	Fremont
De Winter, Chris	Grand Rapids
Ditmar, Wilma	Grand Rapids
Eggers, Christine Jeanne	Grand Rapids
Eldersveld, Alvin Marvin	Muskegon
Feenstra, Angelyn	Grand Rapids
Feenstra, Charles Franklyn	Grand Rapids
Gezon, Howard James	Grand Rapids
Gillett, Frederick	Grand Rapids
Haan, Bernard Top	Grand Rapids
Haan, Gertrude	Hull, Iowa
Haan, Harold Paul	Grand Rapids
Hasper, Jacob	Chicago, Illinois
Haveman, Marvin	Moline
Heerema, Betty	Grand Rapids
Heetderks, Eleanor Ruth	Grand Rapids

NAME	HOME ADDRESS
Hoeksema, Herman	Grand Rapids
Hoekzema, Louise	Grand Rapids
Ibershof, Alta Mae	Grand Rapids
Ide, Luella Jean	Grand Rapids
Iwema, Peter C.	Grand Rapids
James, Freburn LeRoy	Chicago, Illinois
Jamo, Ruth Frances	Saranac
Keegstra, Robert D.	Grand Rapids
Koert, Adrian H.	Grand Rapids
Koning, Stanley Earl	Grand Rapids
Kooiman, Kathryn K.	Tracy, Iowa
Kooistra, Anne	Edgerton, Minnesota
Kooistra, Kathryn	Sanborn, Iowa
Kroon, Philip Cornelius	Sioux Center, Iowa
Kuipers, Florence Gertrude	Grand Rapids
Kwantes, Jeanette Frances	Grand Rapids
Leys, John Martin	Grand Rapids
Lobbes, Anne Frances	Sheboygan, Wisconsin
Meppelink, Jane	Edgerton, Minnesota
Meyering, Helene Alberta	Sully, Iowa
Minderhout, Vivian Jeannette	Grand Rapids
Muyskens, Henry T.	Grand Rapids
Nydam, Wilma Irene	Grand Rapids
Oosterhof, Marjorie Lois	Grand Rapids
Oppenhuizen, Engulus	Grand Rapids
Paap, Peter	Thoreau, New Mexico
Paauw, Alger Donald	Ada
Penning, John Martin	Holland, Minnesota
Reed, Carolyn Frances	Grand Rapids
Reitsema, Robert Harold	Grand Rapids
Remein, Frank John	Grand Rapids
Remein, Quentin Robert	Rochester, New York
Ribbens, Anita Lenore	Rochester, New York
Ribbens, Marian Lucille	Sheboygan, Wisconsin
Ritzema, Leona	Sheboygan, Wisconsin
Ryskamp, Maxine Winnette	Grand Rapids
Slomp, George	Grand Rapids
Smit, Harriet Myrtle	Grand Rapids
Spaanstra, Robert S.	Grand Rapids
Steen, Barney	Grand Rapids
Steigenga, Lucille	Paterson, New Jersey
Stielstra, William	Grand Rapids
Tiemeyer, Lena Frances	Holland
Tuuk, Marva Carol	Byron Center
Ubels, Engbert	Grand Rapids
Van Appeldorn, Irene Mae	Ripon, California
Van Dellen, John Richard	Holland
Vanden Beldt, Ilah Mae	Grand Rapids
Vanden Berg, Paul Theodore	Byron Center
Vander Hoven, William Frederick	Grand Rapids
Vander Jagt, Fred	Grand Rapids
Vander Jagt, Helen Jane	Grand Rapids
Vander Kam, Henry	Grand Rapids
Vander Kamp, Douglas Edwin	Byron Center
Vander Kooi, Benjamin	Grand Rapids
Vander Meulen, Jake	Edgerton, Minnesota
Vander Ploeg, Claude	Grand Rapids
Vander Veer, Leonora Adeline	Grand Rapids
Vander Vennen, Roy Jacob	Zeeland
Van Eerden, Jack A.	Grand Rapids
Van Ens, Clarence	Grand Rapids
Van Ens, John	Byron Center
	Byron Center

NAME	HOME ADDRESS
Van Faasen, Herman	Holland
Van Genderen, Wilma	Clifton, New Jersey
Van Halsema, Willemina Henrietta	Passaic, New Jersey
Van Harn, Ray S.	Grand Rapids
Van Kooten, Allen Gerald	Long Island, Kansas
Van Reken, Henry Everett	Paterson, New Jersey
Van Stensel, Esther Jane	Grand Rapids
Van Til, Nick R.	Highland, Indiana
Van Zanen, Fred Lambert	Grand Rapids
Veenema, Ralph James	North Haledon, New Jersey
Verbrugge, Nellie	Edgerton, Minnesota
Verduin, Arthur Cornelius	Corsica, South Dakota
Verduin, Lee C.	Grand Rapids
Visscher, Joan Grace	Sheboygan, Wisconsin
Warner, Ruth Carolyn	Holland
Weener, Robert Clyde	Holland
Westenburg, Margaret	Alamosa, Colorado
Wiegerink, Lloyd Theodore	Grand Haven
Wingard, George F.	Kent City
Zaagman, Robert William	Grand Rapids

Freshmen

NAME	HOME ADDRESS
Alderink, Willard	Holland
Alyea, Arthur Howard	Grand Rapids
Arkema, Elsie	Grand Rapids
Aukeman, Hilda	Hudsonville
Berghuis, John William	Clara City, Minnesota
Bergsma, Julius	Denver, Colorado
Biddle, Helen	Litchfield
Bonnema, Maybel M.	Grand Rapids
Bouma, Bernard Harold	Edgerton, Minnesota
Bouwsma, Robert Joseph	Holland
Brake, Barbara Ann	Ionia
Brill, Leroy	Grand Rapids
Broene, Eugene Melvin	Grand Rapids
Bronkema, Lois Ruth	Orange City, Iowa
Brouwer, Lois Gertrude	Grand Rapids
Buddingh, Dick	Byron Center
Coeling, Louise	Grand Rapids
Cosselman, Charles Guilford	Six Lakes
Couzynse, Bernice Ruth	Grand Rapids
Couzynse, Robert J.	Grand Rapids
Daane, Clarence	Grand Haven
Decker, Ejane Alice	East 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
Dekker, John Peter	Sheldon, Iowa
De Kruyter, John A.	Muskegon
De Ridder, Richard Ralph	Holland
De Ruischer, Wilma Lenore	Grand Rapids
Dever, Charles Herman	Grand Rapids
De Vries, Simon John	Denver, Colorado
De Waal Malefyt, Karel Everhart	Ridgewood, New Jersey
De Young, Tunis	Evergreen Park, Illinois
Dice, Robert Earle	Grand Rapids
Disselkoe, Calvin	Winnipeg, Canada

NAME	HOME ADDRESS
Dornbos, Frances Elaine	Holland
Drost, Sheila	Grand Rapids
DuBois, Anthony Henry	Grand Rapids
Dykstra, Cornelia Jeanette	Grand Rapids
Feyen, Gerrit	Jukao, China
Fik, Geraldine Marie	Byron Center
Frieswyk, Melvin John	Grand Rapids
Goldsword, Louis Martin	Grand Rapids
Groot, Gertrude	Grand Rapids
Grotenhuis, Louise	Sanborn, Iowa
Guikema, Ruth Marguerite	Holland
Gutter, Janet	Grand Rapids
Haagsma, Rena	Sioux Falls, South Dakota
Haanes, Merle	Whitinsville, Massachusetts
Hansma, Earl Arthur	Grand Rapids
Harkema, Deborah C.	Grand Rapids
Hekman, John Henry	Grand Rapids
Heyboer, Doris Ruth	Grand Rapids
Heyboer, Irene	Grand Rapids
Hoekema, Henry	Hudsonville
Hoekstra, Betty Jean	Grand Rapids
Hoekstra, Justin Bernard	Grand Rapids
Hoffman, Mildred Ann	Grand Rapids
Holst, Gerald	Grand Rapids
Holwerda, Gertrude Ruth	Grand Rapids
Hoogsteen, Bernice Jean	Grand Rapids
Huisman, Dora	Grand Rapids
Huizinga, Gerald Stanley	Grand Rapids
Hulst, Burnette H.	Zeeland
Jonker, Janet	Holland
Kamper, Edith Mae	Holland
Kamper, Pearl	Rudyard
Keegstra, Jean Connie	Rudyard
Kieft, Elnora Doris	Grand Rapids
Knoor, Margaret	Grand Rapids
Kobes, Elsie Carolyn	Grand Rapids
Koster, Kathryn J.	Toadlena, New Mexico
Kraai, Ernest	Grand Rapids
Kregel, Treone Marie	Zeeland
Kuiper, Henriette	Coopersville
Kuipers, Harriet	Grand Rapids
Kuipers, Jack	Grand Rapids
Langeland, Charlotte	Grand Rapids
Laug, Jenna V.	Holland
Le Febre, Fred	Coopersville
Leiferman, Ruth Genevieve	Grand Rapids
Leitsch, John Hamilton	Bridgewater, South Dakota
Lieffers, Jeanne Shirley	West Chester, Pennsylvania
London, Robert	Grand Rapids
Luteyn, Margaret Janet	Grand Rapids
McCarty, Betty Jane	Oostburg, Wisconsin
Meeter, Hugh John	Owosso
Millett, J. Earl	Grand Rapids
Moes, John Marenus	Grand Rapids
Nason, Mary Margaret	Pease, Minnesota
Newhof, Cecelia Ellen	Cedar Springs
Ohlman, Geraldine Elizabeth	Grand Rapids
Oliver, Donald Leslie	Hudsonville
Oom, Miriam Ruth	Grand Rapids
Oostendorp, William John	Grand Rapids
Oostenink, Carol	Prairie View, Kansas
Oppenhuizen, Jean	Hull, Iowa
	Thoreau, New Mexico

NAME	HOME ADDRESS
Oppewal, Peter	Mendon, Massachusetts
Paauw, Douglas Seymour	Holland, Minnesota
Paulson, Raymond Benjamin	Newaygo
Postma, Gerald John	Grand Rapids
Prince, Robert John	Grand Rapids
Prins, Tunis	Grand Rapids
Pylman, Warren John	Grand Rapids
Ray, Tommy Carson	Danville, Illinois
Ribbens, William Dewitt	Sheboygan, Wisconsin
Rodenhouse, Catherine Wilma	Grand Rapids
Ronda, Arthur Edward	Grand Rapids
Rycenga, Louis Edwin	Grand Haven
Sarjeant, John Alexander	Grand Rapids
Schantz, Betty Jane	Grand Rapids
Scheurwater, Nellie	Kalamazoo
Scholten, Dorothy	Grand Rapids
Scholten, Henry Jay	Grand Rapids
Shreuder, Betty Burnett	Denver, Colorado
Shreuder, Coba	Doon, Iowa
Schrotenboer, Mildred Jean	Holland
Schultze Vern William	Grand Rapids
Seven, Ray Peter	Grand Rapids
Slager, Donald James	Holland
Smitter, Dorothy Harriet	Grand Rapids
Stehouwer, Mildred	Grand Rapids
Stielstra, Sylvia	Holland
Swierenga, Simon	Holland
Tinholt, Jay L.	Holland
Tinholt, Lois Theresa	Holland
Tolsma, Walter	Midland Park, New Jersey
Uithol, Esther Loretta	Manton
Van Beek, Elmer Gerard	Grand Rapids
Vande Kieft, Clarice Nancy	Paterson, New Jersey
Vanden Berg, Gertrude Nellie	Grand Rapids
Vanden Berg, Tunis	Grand Rapids
Vanderaa, Harry	Chicago Heights, Illinois
Vande Riet, Esther Joyce	Grand Rapids
Vander Till, Louis Charles	Grand Rapids
Vander Tuin, Jay A.	Grand Rapids
Vander Velde, Jessie	Waupun, Wisconsin
Vander Woude, Daniel Samuel	Chicago, Illinois
Van Domelen, John Bernard	Grand Rapids
Van Dyk, Elizabeth	Hull, Iowa
Van Dyken, Seymour	Grand Rapids
Van Haitsma, Gertrude	Portland
Van Halsema, Dick L.	Passaic, New Jersey
Van Heyningen, Earle Marvin	Chicago, Illinois
Van Hoven, Robert Clyde	Grand Rapids
Van Kuiken, Gerald Ralph	Grand Rapids
Van Rhee, Elizabeth	Jamestown
Van Someren, Marie Jeannette	Baldwin, Wisconsin
Van 't Hof, Esther	Grand Rapids
Van Velzel, William David	Grand Rapids
Van Wesep, Jean Lois	Grand Rapids
Vogelzang, Nicholas	Holland
Volkema, Russell Harry	Dutton
Weemhoff, Ruth	Grand Rapids
Weidenaar, Jeanne Claire	Grand Rapids
Westra, Leonard Floyd	Grand Rapids
Westveer, Peter Paul	Grand Rapids
Whims, Gretchen Joan	Grand Rapids
Wiarda, Roy John	Grand Rapids

Wiersma, Alvin Frederick	Grand Rapids
Wynberg, Evalena	Pella, Iowa
Ziton, George Nicholas	Grand Rapids

Unclassified

NAME	HOME ADDRESS
Botting, Mae Suzanne	Grand Rapids
Boylan, Ruth K.	Grand Rapids
Clay, George Elliott	Grand Rapids
De Kraker, Andrew	Dorr
Elzinga, Alice	Alberta, Canada
Evans, Gwen Virginia	Grand Rapids
Groteler, Pearl J.	Grand Rapids
Haringa, Raymond	East Douglas, Massachusetts
Johnson, Joyce	Grand Rapids
Krapohl, Geraldine	Grand Rapids
Loos, Martin	Netherlands
Nason, Robert	Cedar Springs
Rodenhouse, Joan	Grand Rapids
Sherda, Kay	Grand Rapids
Strikwerda, Alfred Charles	Grand Rapids
Sytsma, Alfred Edwin	Grand Rapids
Van An del, John	Escalon, California
Van Beek, Martin	Zeeland
Vellenga, Agnes	Chicago, Illinois
Venema, Josephine	Grand Rapids