YEAR BOOK
of the Theological School
and Calvin College at
Grand Rapids, Mich.
1923 - 1924

An Institution of the
Christian Reformed Church
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CALENDAR

1924
Spring Vacation ....................................................... March 22 to March 31
Re-examinations for First Semester Conditions.............. March 31 and April 1
Final Examinations .................................................. May 26 to June 3
Commencement ....................................................... June 3

SUMMER VACATION
Entrance Examinations ............................................. 9 A.M., September 3
Registration for First Semester .................................. 9 A.M., September 4
Re-examinations for Second Semester Conditions ......... Sept. 5 and 6
Thanksgiving Recess ................................................ November 27 and 28
Christmas Vacation begins ...................................... December 19

1925
Christmas Vacation ends .......................................... January 6
Final Examinations ................................................. January 19 to 23
First Semester closes .............................................. January 23
Registration for Second Semester ............................. January 23 and 24
Second Semester begins .......................................... January 26
Washington's Birthday ............................................ February 22
Day of Prayer ......................................................... March 11
Spring Vacation ...................................................... March 21 to 28
Re-examinations for First Semester Conditions .......... March 30 and 31
Final Examinations ................................................. May 25 to June 2
Commencement ....................................................... June 2
BOARD OF TRUSTEES

OFFICERS
1924-1925
The Rev. Y. P. De Jong, Th. D..............................................President
The Rev. J. B. Hoekstra.......................................................Vice-President
The Rev. J. Dolfin...............................................................Secretary
The Rev. H. Keegstra.........................................................Assistant Secretary

MEMBERS
CLASSIS GRAND RAPIDS, EAST

<table>
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<tr>
<th>Residence</th>
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<tr>
<td>The Rev. H. Hoeksema..............Grand Rapids, Mich..............1926</td>
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CLASSIS GRAND RAPIDS, WEST

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<th>Residence</th>
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<tr>
<td>The Rev. H. J. Kuiper..............Grand Rapids, Mich.............1928</td>
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CLASSIS HACKENSACK

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<th>Residence</th>
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<td>The Rev. H. Borna..........................Paterson, N. J...........1928</td>
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CLASSIS HOLLAND

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<td>The Rev. J. M. Ghysels....................Holland, Mich.............1928</td>
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CLASSIS HUDSON

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<tr>
<td>The Rev. J. B. Hoekstra...............Midland Park, N. J..........1928</td>
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<tr>
<td>The Rev. J. Kolwerda......................Paterson, N. J..............1926</td>
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CLASSIS ILLINOIS

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<tr>
<td>The Rev. J. Manni.......................Sheboygan, Wis.................1928</td>
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<tr>
<td>The Rev. F. Doezema........................Chicago, Ill.................1926</td>
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CLASSIS MUSKEGON

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<tr>
<td>The Rev. J. Dolfin........................Muskegon, Mich..............1928</td>
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<td>The Rev. L. J. Lambert....................Fremont, Mich..............1926</td>
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CLASSIS ORANGE CITY

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<tr>
<td>The Rev. D. Hollebeek...................Sanborn, Iowa.................1928</td>
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<tr>
<td>The Rev. M. Vander Heide................Hospers, Iowa.................1926</td>
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CLASSIS OSTFRIEISLAND

Residence Term Expires
The Rev. H. Ahuis........................Biddeford, Ill........................1928
The Rev. J. H. Bold........................Parkersburg, Iowa.................1926

CLASSIS PACIFIC

The Rev. P. Jonker, Jr..........................Lynden, Wash.............1928
The Rev. C. Vriesman..........................Everett, Wash..............1926

CLASSIS PELLA

The Rev. I. Van Dellen..........................Denver, Colo..............1928
The Rev. J. M. Voortman........................Leighton, Iowa............1926

CLASSIS SIOUX CENTER

The Rev. C. De Leeuw..........................Sioux Center, Iowa......1928
The Rev. A. H. Brat..........................Platte, S. D.................1926

CLASSIS ZEELAND

The Rev. E. J. Krophüe.........................Hudsonville, Mich.......1928

SUPERVISORY COMMITTEE

The Rev. J. M. Ghysels The Rev. H. Hoeksma
The Rev. H. J. Kuiper The Rev. L. J. Lamberts
The Rev. W. D. Vander Werp

COMMITTEE ON FINANCES

The Rev. W. D. Vander Werp Mr. C. Borrendamme
The Rev. H. Keestra Mr. B. J. Jonkman
Mr. A. H. Bosch Mr. John Hekman
Mr. T. Noordewier Mr. H. C. Rutgers

COMMITTEE ON BUILDINGS AND GROUNDS

Mr. D. Van Oosten Dr. E. H. Meeter Mr. H. Hofstra

EDUCATIONAL SECRETARY

The Rev. John Vander Mey......................847 Sigsbee Street

TREASURER

Mr. Tony Noordewier..........................855 Kalamazoo Avenue

JANITOR

Mr. E. J. Norden..............................1130 Thomas Street

CLERK

Catherine Gertrude Dykstra....................704 Eastern Avenue, SE.
THE FACULTY

THE REV. JOHN J. HIEMENGA, A.M., B.D., President
Bible Study
1018 Benjamin Avenue

ALBERTUS ROOKS, A. M., Dean
Professor of the Latin Language and Literature
737 Benjamin Avenue

KLAAS SCHOOLLAND
Professor Emeritus of the Greek Language and Literature
854 Worden Street

JACOB G. VANDEN BOSCH, A. M.
Professor of the English Language and Literature
857 Bates Street

ALBERT E. BROENE, A.B., Secretary
Professor of Modern Languages
1428 Thomas Street

JOHANNES BROENE, A. M.
Professor of Education
1221 Bates Street

JOHN P. VAN HAITSCMA, A. M.
Professor of Organic Sciences
1150 Kalamazoo Avenue

JAMES NIEUWDORP, B. S.
Professor of Mathematics
900 Benjamin Avenue

HENRY J. G. VAN ANDEL, A. M.
Professor of the Holland Language and Literature.
1000 Bates Street
STANDING COMMITTEES OF THE FACULTY

Boarding Places and Dormitory—Ryskamp, Van Haitsma, Stob.
Discipline—Hiemenga, Rooks, Vanden Bosch.
Educational Policy and Course of Study—Hiemenga, Rooks, J. Broene, Hoekstra, Nieuwdorp.
Societies and Entertainments—Van Andel, Stob, Jellema.
Missions and Religious Culture—Dekker, Vanden Bosch.
Normal Training—J. Broene, Van Haitsma.
Athletics—Hiemenga, Hoekstra, Ryskamp.
Publications—Vanden Bosch, Ryskamp, Jellema.
Appointment Bureau—Stob, Dekker, Nieuwdorp.

LIBRARIAN—Professor Ralph Stob
GENERAL INFORMATION

LOCATION

GRAND RAPIDS, the metropolis of Western Michigan, is an ideal college town. Being a city of about 150,000 inhabitants, it is not too small to be devoid of those general cultural influences that should surround an educational institution, nor so large as to be a disadvantage to the ideal interests of college life.

Among the many cultural advantages which the city offers and from which our students may profit, we may mention first of all the Public Library. It is housed in a building that displays true architectural art, and has a collection of some 250,000 books, among which are found many standard works of reference; besides, its reading room is supplied with nearly all the leading periodicals of this country and with many from foreign countries. Further, there is the Kent Scientific Museum, which is open daily and can be an efficient help to those interested in scientific subjects. In addition to this, the students have the opportunity of hearing lectures and addresses by noted men who are invited to the city, and of attending concerts, both vocal and instrumental, by some of the leading artists of the musical world.

HISTORY AND CHARACTER OF THE COLLEGE

The origin of the Theological School and Calvin College dates as far back as the year 1861, when the Classis of the Holland Reformed Church officially recognized the need of training men for the gospel ministry. Three years later Rev. D. J. Vander Werp was appointed as instructor, and in this capacity he labored in connection with his pastoral work till his death in 1876. Not until the appointment in this same year of Rev. G. E. Boer as professor, however, did the school assume a definite organization. March 15, 1876 was, therefore, its natal day. Little by little it grew until in 1900 it enrolled fifty students taught by a staff of five professors. By this time the need of a college where young people not looking forward to the gospel ministry could receive a Christian liberal education was beginning to be generally felt.

Accordingly, Synod of the Christian Reformed Church took active measures toward the expansion of the literary department, then consisting of a four year course, into a college. From time to time, as means allowed, both the curriculum and the teaching staff were enlarged so that at present the institution comprises two departments: the college, which offers the following courses, a general four-year College Course, a four-year Seminary Preparatory Course, a three-year Pre-Medical Course, a three-year Pre-Law Course, a two-year Pre-Engineering Course, and a two-year Normal Course; and the Seminary, which prescribes three years of theological study.

The institution is supported chiefly by the members of the Christian Reformed Church, and is controlled by a Board of Trustees composed of two members 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 a college, but in the larger and deeper sense that all the class work, all the student's intellectual, emotional and imaginative activities shall be permeated with the spirit and teaching of Christianity.

CAMPUS AND BUILDINGS

The new campus, comprising about twelve acres of ground, lies in one of the most beautiful residential sections of the city. The site is ideal. To the east are two beautiful boulevards and the varied scenery surrounding Reed's Lake; and across from its southwestern corner lies Franklin Park, a twenty-acre plot of ground offering splendid opportunity for rest and recreation. All around it are residences of the better class. The grounds have been decorated by a landscape artist and now, nearly completed, resemble a park.

The main building, valued at about $250,000, is an imposing edifice constructed of re-enforced concrete and brick veneer. Thoroughly modern and up-to-date in structure, it is provided with the very best equipment for lighting, heating, and ventilation. No expense has been spared to supply the building with the latest educational facilities. In the high and well-lighted basement are two waiting rooms, two class rooms, the reading room and library, and the physical laboratory; connected with the basement, but in a separate building, is the chemical laboratory; on
the main floor are found the administrative offices, committee room, faculty room, biological laboratory, four lecture rooms, and the auditorium, with a seating capacity of seven hundred twenty-five people; on the second floor are ten lecture rooms and the balcony of the auditorium.

The dormitory is a modern building, completed in 1924, constructed of re-enforced concrete and brick veneer, patterned after the main building. It is thoroughly fireproof and accommodates about 80 male students. Connected with the dormitory is a well-equipped dining room and kitchen. Students board in the dormitory and pay no more than cost price. Application for rooms in the dormitory should be sent to the Dormitory Committee.

A well-equipped gymnasium, also built in 1923-'24, thoroughly modern in every respect, has been added for physical development and athletic activities for the students. The equipment comprises all the apparatus necessary to the latest and most approved physical exercise. Shower baths are provided for the use of the students. All physical instruction and athletic activities are under the supervision of the Committee on Athletics.

LIBRARY

The library is daily open to the students. The books are catalogued according to the Dewey system. Card catalogues, which greatly increase the usefulness of the library, have been prepared. Owing to the liberality of Mrs. E. V. De Jong, the library is in possession of a handsome endowment fund, the interest of which is annually available for the purchase of books. A special gift of $1,000, received recently, makes a substantial addition to this year's allotment. There is still, however, great need of enlarging the library, and gifts in the form of extra books or money are highly welcome.

LABORATORIES

The physical laboratory, which is modern in every respect, contains ten laboratory tables, each accommodating four students. These tables are equipped with double gascocks, two nickel-plated electric plugs, adjustable metal uprights and cross bars, and four large drawers. In addition to these there are two balance tables, each long enough to support four scales, and two work tables fitted with double gascocks and pantry cocks for hot and cold water and providing working space for several students at one time. Dust-proof apparatus cases fitted with glass doors, adjustable shelves, and capacious drawers, furnish ample room for the storing and displaying of physical apparatus. A special photometric room, containing an up-to-date photometry room desk on which students perform experiments with optical benches and photometers and a separate stock room for storing apparatus and chemicals complete the physical laboratory. The physical lecture room is provided with a stereopticon outfit.

The chemical laboratory is a separate building but connected with the main structure. Three double chemistry desks, fitted with double re-agent shelves, six double long spout gascocks, and an equal number of compression watercocks accommodate forty-eight students working in sections of twenty-four. Four fume hoods of practical construction and design and furnished with stone sink and gas cock, have been installed. An electric exhaust fan removes all noxious odors from the hood. Re-agent cases, fitted with adjustable shelves, are conveniently placed so that the student loses little time in walking back and forth to them. The two balance tables are attached to the outside wall in order to reduce vibration to a minimum. Their lengths allow the placing of six balances, leaving sufficient working area around each.

The biological laboratory consists of the main laboratory, a plant conservatory, a stock-room, and a private laboratory or dissecting room. It is well-lighted naturally by twelve windows on the south and east sides, and artificially by electric lamps distributed throughout the rooms. The main laboratory contains ten student tables, each furnished with an acid proof top, eight drawers, and four microscope cupboards fitted with individual lock and key; an instructor's demonstration table provided with gas, electricity, water, and a stone sink; three cases for demonstration material and apparatus; a student's chemistry work table with a re-agent shelf, overhead gas and watercocks, and a lead-lined waste-water trough, and a stone sink; a student's preparation supply table and cabinet; a copper gauze five cake with twelve compartments for living terrestrial animals; three large Alberene Stone and glass aquaria for living aquatic animals; and a histology table and cabinet furnished with electricity, gas, water, and a stone sink for the staining and mounting of microscopic objects. The plant conservatory is supplied with water and has a cement floor with drainage opening for waste water. In it there is a starting-table which has more than one hundred feet of lead-lined, self-drained, germinating beds, and a soil bin of two compartments lined with galvanized iron. The stock room contains four cases in which are stored apparatus, preserved plants and
animal material, chemical re-agents in bulk, charts, models, etc. The teacher's private laboratory or dissecting room has also a complete equipment.

STUDENT ORGANIZATIONS

THE CROMER.—An organization of male students to promote literary interests.

CHIMES ASSOCIATION.—This association, composed of all student subscribers, publishes *Calvin College Chimes*, a monthly that serves as an organ for the literary expression of the life and the ideals of the student body. During the fourteen years of its existence, this periodical has gained for itself an honorable record.

CHORAL CLUB.—This club, organized for the purpose of giving students instruction and practice in the art of singing, has already become well known for its renditions of the *Messiah* and *Elijah*.

MEN'S AND GIRLS' CHRISTIAN FELLOWSHIP CLUBS.—These two clubs exist for the purpose of fostering real Christian fellowship among the student body and of keeping the moral standard of the students at a high level. All students are welcomed as members in these clubs.

GIRLS' LITERARY SOCIETY.—The young women of the College maintain a literary society of their own.

HETAIRIA PHI LIKE.—The students interested in a study of the Greek language and literature have organized a club to further the development of these special interests.

MEN'S GLEE CLUB.—This club is composed of twelve male voices, and is trained by the Director of Music. By its acceptable singing this organization has become a favorite with the public.

MISSION SOCIETIES.—The Student Volunteer Band is maintained by those students who are especially interested in the cause of missions. Special study is made of missionary history and practice.

NIL NISH VERUM.—This group of kindred spirits meets every two weeks in the homes of its members and has for its purpose the cultivation of an interest in the study of "the truth and nothing but the truth."

PHYTOZOO.—To satisfy the increasing demand for discussion of special topics in biology, the students have organized a society which, under the leadership of its faculty director, has become one of the most popular as well as instructive organizations in the school.

RIVAL CLUB.—This club, made up of some of the younger men in the College, has for its purpose the fostering of good fellowship and of the mutual interests of its members.

WOMEN'S GLEE CLUB.—The Women's Glee Club consists of twenty-four voices under the direction of the Director of Music.

ALUMNI ASSOCIATION

The Alumni Association, composed of the graduates of both Seminary and College, aims to promote the interests of both Alma Mater and alumni. After a period of inactivity this association has in the last years given evidence of new life and promises to be a real force in fostering the interests of the school.

LECTURES

Occasionally outside speakers are invited to address the students during the devotional exercises or in the evening. In addition there is abundant opportunity for students to avail themselves of lectures and addresses by men of note who are invited to address different organizations of this city.

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 member 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 by July 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 $1,500.00, for study at Oxford. Students wishing to compete should notify the Registrar before Oct. 1, 1924.

For detailed information address Mr. James K. Watkins, 923 Ford Bldg., Detroit, Mich.

Broodman Oratorical Prize.—Through the generosity of Dr. G. J. Broodman of Grand Rapids, Mich., gold, silver, and bronze medals are given annually to the winners of the first, second, and third prizes, respectively, in the Oratorical Contest.

Broodman Trophy for Interclass Debating.—Dr. G. J. Broodman also offers a silver cup to be awarded to the winning team in the Interclass Debating Contest.

D. A. R. Prize in American History.—To the student in American Constitutional History who has the best class standing and who writes the best essay on some phase of the American constitution a free trip to Washington is furnished by the Daughters of the American Revolution.

Hoffius Prize.—Mr. C. Hoffius, prosecuting attorney of Kent County, Michigan, has given to the College $200.00 from which prizes are to be given annually to the student doing the best work in some subject specifically included in the Pre-Law Course. Freshmen and all Pre-Seminary students are not eligible.

Rozeboom Prize.—Mr. W. G. Rozeboom of Hull, Iowa, has given to the College $25.00 as a prize for the Freshman doing the best work in History.

Tuition and Fees

The tuition fee is $25.00 per semester; for two from the same family, $15.50 each; no further reduction is made in case more than two from the same family attend. Further, those living west of the Mississippi and east of Ohio, will be required to pay only one-half of this amount; while those coming from Montana, Wyoming, Colorado, New Mexico, and points west of these states, will be permitted to attend free of charge. The tuition fee must be paid to the treasurer on the day of registration in September and in February. A fee of one dollar will be charged for late registration.

In some laboratory courses an extra fee will be charged to cover cost of material, wear and tear of instruments, etc. The laboratory fees must be paid before the corresponding courses are begun. See description of these courses for the amount of fees.

The diploma fee in the Preparatory School is five dollars. The same fee is charged at the completion of any College Course. These fees must be paid before admission to the final examination.

Living Expenses

Board and room, fuel and light, in good families, is furnished for seven dollars a week and upward.

Expenses, including board, room rent, fuel, light, washing, and text books, are from four hundred dollars up.

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.

Placement Bureau

A Placement Bureau which will effect the placing of prospective teachers, graduates from Calvin College (including the Normal Department), 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.

Maintenance and Endowments

For these the School is indebted largely to the kind and generous support of the members of the Christian Reformed Church. From year to year, with the growing of the church, the contributions have become larger and have met the demands of the School, while it has in turn supplied the church with pastors who have shown themselves pious and active workers for the cause of Christ.

The interest accruing from an Endowment Fund of several thousand dollars also contributes to the support of the School.

The College is greatly in need of a larger endowment, and bequests are, therefore, very welcome. Should there be any among the friends of this school whom God has richly blessed with means, may they remember that no money is so well invested as that which is invested in an institution that gives young people a
Christian education, in souls and lives rather than in natural things. The Church, the state, and society depend upon Christian colleges and seminaries for leaders and workers; hence, money expended for the support of such institutions is money spent for the advancement of the Kingdom of God upon earth.

LEGAL FORM OF BEQUEST

I hereby give, devise, and bequeath unto Theological School and Calvin College, a corporation organized and existing under the laws of the State of Michigan, the sum of_____________Dollars, to be paid out of any real or personal estate owned by me at my decease.

INFORMATION

The President will be glad to furnish all possible information with reference to the Preparatory School and College. More particularly those desiring private boarding places should apply to Professor Ryskamp. Correspondence is cordially invited.

REGULATIONS

ADMISSION

Applicants for admission are accepted on the presentation of a certificate from an accredited school. All applicants must, however, present a satisfactory written testimonial of good moral conduct. Those who intend to study for the ministry must, in addition, present a recommendation from their consistory.

All certificates and testimonials must be presented to the Registrar on or before the day of registration.

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. During the school year, however, the Faculty has the right to accept students that meet the requirements.

PRESCRIBED UNITS

For admission, 15 units* are necessary. Certain of these units are prescribed, as follows:

For Admission to the General College Course, 9 units prescribed:

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<tr>
<td>English</td>
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<tr>
<td>Foreign Languages, any one, Greek, Latin, German, French or Dutch</td>
<td>2</td>
</tr>
<tr>
<td>History</td>
<td>1</td>
</tr>
<tr>
<td>Algebra</td>
<td>1</td>
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<tr>
<td>Geometry</td>
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<tr>
<td>Laboratory Science, any one, Physics, Chemistry</td>
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<tr>
<td>Botany, or Zoology</td>
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For Admission to the Pre-Medical Course (this applies also to such as intend later to study Dental Surgery), 10 units prescribed:

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<td>English</td>
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<tr>
<td>Latin</td>
<td>2</td>
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<tr>
<td>History</td>
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<tr>
<td>Algebra</td>
<td>1</td>
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<tr>
<td>Geometry</td>
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<tr>
<td>Physics</td>
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<tr>
<td>Chemistry</td>
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Applicants for admission to the Pre-Medical Course are also strongly urged to present French or German, Botany, and Zoology.

For Admission to the Pre-Engineering Course (this applies also to such as intend to study Architecture) 9½ or 10 units prescribed:

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<tr>
<td>English</td>
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<tr>
<td>Foreign Languages, any one, Greek, Latin, German, French or Dutch</td>
<td>2</td>
</tr>
<tr>
<td>History</td>
<td>1</td>
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<tr>
<td>Algebra</td>
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<td>Geometry</td>
<td>1</td>
</tr>
<tr>
<td>Laboratory Science, any one, Physics, Chemistry</td>
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<tr>
<td>Botany, or Zoology</td>
<td>1</td>
</tr>
<tr>
<td>Trigonometry</td>
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<tr>
<td>Language (additional)</td>
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For Admission to the Pre-Se minary Course, 12 units prescribed:

English ........................................ 3
German ......................................... 2
Latin ............................................. 2
History ........................................ 1

* A unit of preparatory credit is given when a study has been successfully pursued with 5 recitations per week for 36 weeks.

DISTRIBUTION OF UNITS

The 15 units required, including the units prescribed above, must be distributed between the following two groups as indicated:

GROUP I. (13 units must be chosen from this Group).*

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geometry</td>
<td>1</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>½</td>
</tr>
<tr>
<td>Physics</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1</td>
</tr>
<tr>
<td>Botany</td>
<td>¼</td>
</tr>
<tr>
<td>Zoology</td>
<td>¼</td>
</tr>
<tr>
<td>Physiology</td>
<td>¼</td>
</tr>
<tr>
<td>Intro. Science</td>
<td>½</td>
</tr>
<tr>
<td>Geography and Geology</td>
<td>½</td>
</tr>
<tr>
<td>Algebra</td>
<td>1</td>
</tr>
</tbody>
</table>

GROUP II. (Two units may be chosen from this group). This group comprises any subjects not included in Group I, which are counted towards graduation by the accredited school.

PROVISIONAL ADMISSION

An applicant for admission either on examination or certificate, who presents 15 units from the list given, but who is deficient in not more than 1 of the 13 units from Group I, may be admitted provisionally; but this deficiency must be made up during the first year of residence.

ADMISSION WITH ADVANCED CREDITS

Advanced credit is granted only for studies equivalent to courses offered in our college, and in accordance with the following regulations:

Advanced credit for work taken in an accredited High School will be given only to such applicants as can offer at least 16 units for admission to College, but advanced credit for such work will not be given in excess of 10 college semester hours. Moreover, a study in which advanced credit is sought must be successfully continued for at least one semester in the College.

In any other case, the applicant must pass a satisfactory examination in the work presented for credit; or he must, during his first year of residence in the College, creditably complete, in the department of study concerned, a course presupposing a satisfactory knowledge of the work for which credit is asked.

Students expecting advanced credit for work done at other institutions should bring full credentials.

UNCLASSIFIED STUDENTS

Students who are not candidates for graduation may, in as far as the schedule of recitation allows, take such studies as their preparation qualifies them to pursue with profit. Bible Study, however, must be taken by every student.

RELIGIOUS CULTURE

All students are obliged to attend the devotional exercises held in the auditorium at 9:40 A. M. Religious instruction, either doctrinal or historical, is compulsory for all classes.

On the Sabbath every student is supposed to worship regularly with some church of his own selection.

Every student is visited by some professor at least once in a school year. The object of this visit is not only to speak with the student about methods of study, difficulties encountered in the work, habits of living, but especially to be a help to him in his spiritual life. The college believes that the religious as well as the intellectual side of a student’s life should receive due attention.

PHYSICAL EDUCATION

Every Freshman and Sophomore student is required to take 2 hours of gymnastics or physical education per week. No credit is given for this work.

EXAMINATIONS, GRADES, CONDITIONS

The examinations are held at the close of the first and second semesters. A literal system is used in grading the work, as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Interpretation</th>
<th>Equivalent Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Exceptional</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>Good or very good</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>Graduation average</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>Unsatisfactory; just passable</td>
<td>0</td>
</tr>
<tr>
<td>E</td>
<td>Condition, which may be removed at a re-examination</td>
<td>-1</td>
</tr>
<tr>
<td>F</td>
<td>Failure. No re-examination</td>
<td>-2</td>
</tr>
<tr>
<td>Inc.</td>
<td>Work not completed</td>
<td></td>
</tr>
</tbody>
</table>
This means that a student can graduate from the college with 125 honor points to his credit; that is, he can get his diploma when he has a C in all his studies, or an average of C. Such average is to be computed by multiplying the number of honor points of each study by the number of hours devoted to that subject per week, and by dividing the result so ascertained by the total hours taken by the student.

Conditions received in January, as well as in June, may be removed only at the supplementary examination held for that purpose on the first Tuesday and Wednesday after the Spring vacation, or on the first Friday and Saturday of the school year. A student whose grade is "E" is allowed one re-examination on the work of the course, for which he receives credit if the re-examination is passed with a grade of "C" or better. If a student fails to remove his condition at the re-examination immediately following the time when the condition was received, the subject will have to be repeated for credit.

Incompletes should be removed on or before the dates set for re-examination; if not removed on or before that date the incomplete becomes an "F".

Any student whose grade is "F" can obtain credit for the course only by repeating it in class.

What course is to be pursued in the case of a student who is not prepared for more advanced work is to be determined jointly by the Dean and the instructor of the subject.

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

DROPPING AND CHANGING OF COURSES

After a student has enrolled for a study, he may not drop it without permission from the Dean; neither may he change his course of study without such permission.

DIPLOMAS AND CERTIFICATES

The School issues diplomas as follows:

To those who have completed the work required for graduation in the Preparatory School. These diplomas admit, without examination, to the University of Michigan, as well as to the College.

To those who have finished the required number of hours of work in the College.

To those who have finished the Three-Year Pre-Seminary Course.

To those who have finished the Three-Year Pre-Seminary Course and three years of Theology.

To those who have finished the Normal Course.

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

When no full course is completed, a statement is given of the studies in which the student passed examination.

STATE TEACHER'S CERTIFICATE

Seniors who are entitled to the A. B. degree and who have completed the required courses both in the department of education and in the subject of their preference, will be recommended for a State Teacher's Certificate. The securing of a Life Certificate requires three years of successful teaching.

TERMS AND VACATIONS

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.

DISMISSION

Students are amenable to the regulations of the school from the time of their arrival. As soon as a student's conduct becomes detrimental to his own or the school's best interest, the Faculty will suspend him after due warning, and, in case no improvement results, the withdrawal of such a student may be required.
THE COLLEGE

GENERAL COLLEGE COURSE

Students who enroll in the General College Course must complete 125 hours* of work for the A. B. degree. These 125 hours must be distributed according to the group system indicated below. Of the 125 hours thus distributed, those indicated in the next section are prescribed.

**Prescribed Work—**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible Study</td>
<td>10</td>
</tr>
<tr>
<td>Rhetoric</td>
<td>6</td>
</tr>
<tr>
<td>German or French</td>
<td>6 or 12†</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy (not including Psychology or Logic)</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science</td>
<td>10</td>
</tr>
<tr>
<td><strong>A total of 44 or 50 hours</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Distribution of the Total 125 Hours According to Group Restrictions—**

**Group I.** Ancient Languages and Literatures, Modern Languages and Literatures, English, Public Speaking.

**Group II.** Mathematics, Physics, Chemistry, Zoology, Botany, and Psychology.

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

Restrictions:

1. Each student must choose a major and a minor group. In his major group he must take four semester courses of three hours each, in **two** departments. In his minor group he must take four semester courses of three hours each, in **one** department.

2. The maximum number of hours which a student may take within a department is **forty**; the minimum is **twenty-four** for the major group and **twenty** for the minor group.

By department is meant a study as outlined under “Description of Courses,” pages 32–56.

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*An hour of credit is given when a study has been satisfactorily pursued with one recitation per week for one semester.
†German or French, 12 hours. If preceded by High School units, this number may be reduced in the proportion of 3 hours for every unit. Every student, however, is required to take in the college at least 6 hours of either German or French.

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PRE-SEMINARY COURSE (1923-'24)

The completion of this course entitles the student to the A. B. degree. The course is arranged (1923-24)* as follows:

**FRESHMAN**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greek 4</td>
<td>Greek 3</td>
</tr>
<tr>
<td>English 3</td>
<td>Latin 3</td>
</tr>
<tr>
<td>Latin 3</td>
<td>History 3 or</td>
</tr>
<tr>
<td>History 3</td>
<td>Sociology 3</td>
</tr>
<tr>
<td>Public Speaking 2</td>
<td>Dutch History 3</td>
</tr>
<tr>
<td>Bible Study 1</td>
<td>Bible Study 1</td>
</tr>
</tbody>
</table>

**SOPHOMORE**

| Greek 3        | Greek 3         |
| Lat 8          | Latin 8         |
| Dutch History 3| Dutch History 3 |
| History 3 or   | History 3 or    |
| Sociology 3    | Sociology 3     |
| Psychology 3   | Psychology 3    |
| Public Speaking 1 | Public Speaking 1 |
| Bible Study 1  | Bible Study 1   |

**JUNIOR**

| Greek 3    | Greek 3       |
| History of Philosophy 3 | History of Philosophy 3 |
| German 4  | German 4      |
| Dutch Literature 3 | Dutch Literature 3 |
| Elective 3| Elective 3    |
| Calvinism 1 | Calvinism 1  |

**SENIOR**

| Advanced Philosophy 3 | Advanced Philosophy 3 |
| Hebrew 8              | Hebrew 8             |
| German 3              | German 3             |
| Greek 3               | Greek 3              |
| Elective 3            | Elective 3           |
| Biblical Archaeology 1 | Biblical Archaeology 1 |

*Compare Pre-Seminary Course 1924-25.
†The figure indicates the number of recitations per week.
---

--- 29 ---
PRE-SEMINARY COURSE (1924-’25)

Students in this course must complete 125 hours of work. Graduation entitles the student to the A.B. degree.

The following 108 hours of work are prescribed:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>12</td>
</tr>
<tr>
<td>Dutch</td>
<td>18</td>
</tr>
<tr>
<td>Greek</td>
<td>18</td>
</tr>
<tr>
<td>Latin</td>
<td>15</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Sociology</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy</td>
<td>12</td>
</tr>
<tr>
<td>Psychology and Logic</td>
<td>12</td>
</tr>
<tr>
<td>Organic Science</td>
<td>6</td>
</tr>
<tr>
<td>Bible</td>
<td>8</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>4</td>
</tr>
<tr>
<td>German</td>
<td>3</td>
</tr>
</tbody>
</table>

Of the remaining 17 hours (Electives), at least 6 must be taken in a subject in which the student has already had 12 hours of work. In case students cannot present the number of hours of High School subjects required for admission to this course, such deficiency cannot be met by applying any of the 17 hours of electives.

In the elementary grammar courses 3 hours of credit represent 4 hours of work.

All students, whether they have taken their college work at Calvin or elsewhere, must, without exception, meet the requirements stipulated in this course before they can enter the Seminary.

THREE-YEAR PRE-MEDICAL COURSE

FRESHMAN

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 3</td>
<td>Rhetoric 3</td>
</tr>
<tr>
<td>Modern Language 4</td>
<td>Modern Language 4</td>
</tr>
<tr>
<td>Chemistry 4</td>
<td>Chemistry 4</td>
</tr>
<tr>
<td>Fundamentals of Zoology 4</td>
<td>Elective 3 or 4</td>
</tr>
<tr>
<td>Bible Study 1</td>
<td>Bible Study 1</td>
</tr>
</tbody>
</table>

SOPHOMORE

| Qualitative Chemistry 4    | Organic Chemistry 4 |
| Physics 4                  | Physies 4           |
| Invertebrate Zoology 4     | Botany 4            |
| Modern Language 3          | Modern Language 3   |
| Bible 1                    | Bible 1             |

JUNIOR

| English 3                  | English 3          |
| Modern Language 3 or 4     | Modern Language 3 or 4 |
| Psychology 3               | Physical Chemistry 4|
| Electives 3 to 6           | Vertebrate Zoology 4|
| Bible 1                    | Bible 1            |

Suggested electives: Latin, History, Political Economy, Philosophy, Quantitative Chemistry, Advanced Botany, Physiology, and Hygiene.

Total number of hours should secure for the student at least 90 hours of credit.

The completion of this course plus one year of work at a recognized Medical School, entitles a student to the A.B. degree from Calvin College.
TWO-YEAR PRE-ENGINEERING COURSE

FRESHMAN

First Semester  Second Semester
Rhetoric 3      Rhetoric 3
Modern Language 4 Modern Language 4
Analytic Geometry 4 Analytic Geometry 4
General Chemistry 4 General Chemistry 4
Bible Study 1   Bible Study 1

SOPHOMORE

English Literature 3
Modern Language 4
Calculus 4
Physics 5
Bible Study 1

Same as First Semester

The completion of the above course, plus three years of work taken at a recognized school of engineering, should enable one to finish the regular engineering course.

THREE-YEAR PRE-LAW COURSE

FRESHMAN

First Semester  Second Semester
Rhetoric 3      Rhetoric 3
Latin 3         Latin 3
Mathematics or Science 3 Mathematics or Science 3
History 3       History 3
Public Speaking 3 Public Speaking 3
Bible Study 1   Bible Study 1

SOPHOMORE

English Literature 3
Latin 3 or Modern Language 4
History 3
Sociology 3
Psychology 3
Bible Study 1

Same as First Semester

JUNIOR

Rhetoric 3
English History 3
Political Science 3
Electives 6 or 7
Bible Study 1

Same as First Semester

Upon completion of this course and one year of work in law at a recognized law school, the candidate will be granted the A.B. degree from Calvin College.

A. B. COURSE IN EDUCATION

Of the 125 hours required in this course, the following 94 are prescribed:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>12</td>
</tr>
<tr>
<td>Modern Language</td>
<td>12</td>
</tr>
<tr>
<td>History</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics or Philosophy</td>
<td>24</td>
</tr>
</tbody>
</table>

The student must so distribute his 31 hours of electives as to have a total of 24 hours in some other subject besides Education.

NORMAL COURSE

FRESHMAN

First Semester  Second Semester
English ................. 3  Teachers' Eng. Grammar..  3
Intro. Psychology ........ 3  Genetic Psychology, or
Principles of Education.. 3  Educ. Psychology .......... 3
Religion ............... 3  Religion .................. 3
Music .................. 2  Music ..................... 1
Phys. Education ........ 2  Physiology and Hygiene... 4
Elective, such as History, 3  Elective, such as History,
Mathematics or Science 3  Mathematics or Science 3

18

17

SOPHOMORE

History of Education...... 3  Methods of Teaching........ 5
Methods of Teaching....... 5  Practice Teaching........ 4
Practice Teaching........ 4  School Art................ 2
School Art............... 2  Fundamentals ............ 3
Fundamentals ............ 3  Elective, such as History,
Expression ............. 1  Expression .............. 1
Mathematics or Science 3

18

18

The completion of this course will entitle the graduate to a three-year State Certificate, and, after three years of satisfactory teaching, to a Life Certificate.
DESCRIPTION OF COURSES

Each course runs for one semester. Courses marked with an odd number are given during the first semester; those marked with an even number during the second.

BIBLE STUDY

1 and 2. REFORMED DOCTRINE
   Two Hours

3 and 4. REFORMED DOCTRINE
   Two Hours
   The doctrines of the application of Grace and of the Last Things. One hour each semester. Text: Heyns, Gereformeerde Geloofsleer. Professor Heyns.

5 and 6. REFORMED DOCTRINE
   Two Hours

7 and 8. REFORMED DOCTRINE
   Two Hours
   The doctrines of Salvation, the Church, the Means of Grace, and the Last Things. One hour each semester. Rev. W. Stuart.

9. BIBLICAL ARCHAEOLOGY
   Two Hours
   For Seniors taking the Pre-Seminary Course. Professor Berkhof.

10. STUDIES IN CALVINISM
    Two Hours
    A discussion of Calvinism and its influence and of its application in religion, in education, society, politics, ethics, and art. Lectures, assigned reading, and papers by the class. The President.

11 and 12. INTRODUCTION TO THE BOOKS OF THE BIBLE
   Three Hours

CHEMISTRY
PROFESSOR DEKKER

1. GENERAL INORGANIC CHEMISTRY
   Four Hours
   Three hours in class-room, lectures, quizzes and laboratory discussion and one laboratory period of from three to four hours per week. Laboratory fee, $2.50. Breakage fee, $2.50. Prerequisite: High School Chemistry.

2. GENERAL INORGANIC CHEMISTRY
   Four Hours
   Continuation of Course 1. Hours, text, and fees the same.

1B. GENERAL INORGANIC CHEMISTRY
   Four Hours
   Three hours in class-room, lectures, quizzes and laboratory discussion and one laboratory period of from three to four hours per week. Laboratory fee, $2.50. Breakage fee, $2.50. Prerequisite: No previous training in Chemistry required, but student should have knowledge of Physics.

2B. GENERAL INORGANIC CHEMISTRY
   Four Hours
   Continuation of Course 1B. Hours, text, and fees the same.

3. QUALITATIVE ANALYSIS
   Four Hours*
   Three hours in the class-room and one laboratory period of not less than four hours per week. Laboratory fee, $2.50. Breakage fee, $2.50. This course deals with principles underlying analytic processes and with reactions and qualitative analytic methods. Prerequisite: Courses 1 and 2 or 1B and 2B.
4. Organic Chemistry  
Four Hours
Three recitations and one laboratory period of four hours per week.
Laboratory fee, $2.50. Breakage fee, $2.50.
This course is required of all students who elect the Pre-Medical Course.
Prerequisite: Courses 1 and 2 or 1B and 2B.

5. Quantitative Analysis  
Four Hours
Two hours in the class-room and from six to eight hours of laboratory work per week.
Laboratory fee, $3.00. Breakage fee, $3.00.
This course emphasizes the quantitative application of the principles of Analytic Chemistry and gives training in quantitative methods and technique.
Prerequisite: Course 3.

*Five hours will be arranged for engineering students.

DUTCH STUDIES
PROFESSOR VAN ANDEL

11. Elementary Grammar  
Three Hours
Conjugations and declensions. Required outside reading. Four recitations a week.

12. Advanced Grammar  
Three Hours
Review of preceding course. Syntax. Required outside reading. In class some Dutch works are read. Four recitations a week.

15. Romanticism  
Three Hours
Review of grammar. Weekly compositions. Required outside reading. In class some outstanding Romantic authors are discussed. Special study is made of Bilderdijk and Da Costa as originators of the revival of Calvinism in the Netherlands.

16. Realism  
Three Hours
Weekly compositions. Required outside reading. In class some important Realistic authors are discussed.

17. Renaissance  
Three Hours
The Middle Ages, the Early Renaissance, and the "Golden Age". The aim of this course is to bring out the bearing which Catholicism, Humanism, and Calvinism had on Dutch Literature. Assigned reading and monthly essays.

18. Modern Literature  
Three Hours
The modern movements of Naturalism, Symbolism, and Neo-Classicism. Assigned reading and term papers.

21. Mediaeval Dutch History  
Three Hours
The development of Mediaeval institutions and the rise of democracy and Calvinism in the Netherlands. Collateral reading, term papers, and class exercises.

22. Modern Dutch History  
Three Hours
The contributions of Holland to the world's civilization and its re-awakening after 1813 in respect to culture and Calvinism receive due attention. Collateral reading, term papers, and class exercises.

31. Flemish Painting  
Three Hours
A course in the development of Flemish painting from the Mediaeval Miniaturists to Rubens and Van Dyck. The method will be analytical as well as historical. Instruction is based on reproductions of paintings with supplementary readings and reports.

32. Dutch Painting:  
Three Hours
Emphasis will be placed on the masters of the seventeenth and the nineteenth centuries. The principles of pictorial composition are studied. Assigned reading and term papers. Prerequisite: Course 31.

ECONOMICS AND SOCIOLOGY
PROFESSOR RYSKAMP

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.
Freshmen intending to major in this department are advised to begin with Courses 1 and 2, introductory to both Economics and Sociology.

1. **(Economics) Human and Economic Geography**  
   *Three hours*  
   A study of man's adaptation to his physical environment; with emphasis on the resources of the several economic regions of the world and their effects upon man's habits, industries, trade relations, methods and lines of transportation, and so forth. Intended for those particularly interested in the social sciences and for those taking the Normal Course. A Freshman course.

2. **(Sociology) Introduction to Sociology**  
   *Three hours*  
   A continuation of Course 1. An historical introduction to social economy and to the modern social problem, including a statement of the problems of modern social life.

3. **Principles of Economics**  
   *Three hours*  
   A review of the fundamental principles underlying modern economic life. Not open to Freshmen, except by special permission.

4. **Principles of Economics**  
   *Three hours*  
   A continuation of the principles of political economy and an application of the same to current industrial problems and institutions. Students electing Course 3 are expected to take Course 4.

5. **The Principles of Sociology**  
   *Three hours*  
   A study of the underlying principles of social science: the individual in society, the social mind, social organization, and so forth. Not open to Freshmen, except by special permission.

6. **Principles and Problems of Sociology**  
   *Three hours*  
   A continuation of Course 5 with a further application of the principles to the outstanding social institutions; including a discussion of the problems arising out of the breaking down of these institutions.

7. **(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, the financial promotion of corporations and of trusts, the trust problem, and so forth.
   *Prerequisite: Courses 3 and 4 or their equivalents.*

8. **(Economics) The Financial Organization of Society**  
   *Three hours*  
   A continuation of Course 7.

9. **(Economics) Labor Problems and Trade**  
   *Three hours*  
   Unionism  
   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: Courses 3 and 4, or 5 and 6.*

10. **(Sociology) Advanced Social Theory**  
    *Two or Three hours*  
    This course may be adapted to suit the needs of the student. It will, however, include some review of the history of social thought.
    *Prerequisite: Courses 5 and 6.*

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**EDUCATION**

**PROFESSOR J. BROENE**

1. **Introductory Psychology**  
   *Three hours*  
   A first course with some reference to the implications of psychology for pedagogy.

2. **Genetic Psychology**  
   *Three hours*  
   Course 1 or its equivalent is a prerequisite.

3. **Principles of Education**  
   *Three hours*  
   A study of the aim of education and of the various underlying problems.
4. **The Practice of Education**  **Three hours**
   This course deals with the teaching process and with problems pertaining to class management.

5. **History of Education**  **Three hours**
   A survey of the growth of educational theory and practice during the ancient and medieval periods.

6. **History of Education**  **Three hours**
   A continuation of Course 5 covering the modern period.

7. **School Administration**  **Two hours**
   This course aims to discuss the organization and management of state and local school systems.

8. **Principles of Secondary Education**  **Two hours**
   A study of secondary school problems. Special attention is given to the phenomena and problems of adolescence.

Courses in the methods of teaching high school subjects are offered by the various departments.

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**ENGLISH**

**PROFESSOR VANDEN BOSCH**

1. **Composition and Rhetoric**  **Three hours**
   Review of the essentials of rhetoric; lectures on the preparation of long themes, term papers, and monographs; the writing of one long theme; weekly exercises in exposition and description.

2. **Composition and Rhetoric**  **Three hours**
   Analytical and syntactical study of the leading forms of exposition; argumentation; constant drill in writing.
   Courses 1 and 2 are required of all Freshmen, and are prerequisite to all other courses in English.

3. **Introduction to Literature**  **Three hours**
   Discussion of such fundamental problems as the character of literature, its relation to other subjects, its forms, and kindred topics. Desirable for all who wish to specialize in literature.

4. **Advanced Composition**  **Three hours**
   Open only to those who receive special permission. Analysis of masterpieces; criticism of students' themes. The aim is to develop originality.

11. **American Literature**  **Three hours**
   From the beginning to 1840. A study of the religious, political, social, and artistic background of our national culture. Open to Sophomores and Juniors.

12. **American Literature**  **Three hours**
   The New England group, post-bellum realism, moralistic fiction, the historical romance, naturalism, and the new poetry. Open to Sophomores and Juniors.

17. **The Romantic Movement**  **Three hours**
   Open to Juniors and Seniors.

18. **The Victorian Period**  **Three hours**
   Open to Juniors and Seniors.

19. **Contemporary Literature of England**  **Three hours**
   Fiction from 1890 to the present day. A study is made of the philosophic, scientific, political, social, and artistic influences that are reflected in the various literary movements of this period. The work is related to continental fiction.
   Open to Juniors and Seniors.

20. **Contemporary Literature of England**  **Three hours**
   Drama and poetry since 1890 are considered in connection with continental movements and the authors representing them.
   Open to Juniors and Seniors.

21. **John Milton**  **Three hours**
   The life, times, ideas, and art of Milton are studied.
   Open only to Juniors and Seniors.

30. **Teachers' Course**  **One hour**
   History and methods of teaching English in secondary schools. Twenty hours of observation work is required.
   Prerequisite: At least six of the courses offered in this department.
FRENCH
PROFESSOR A. E. BROENE

1. Elementary Course  Three 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. Four recitations a week.

2. Continuation of Course 1  Three hours
   Text in both courses: Aldrich, Foster, and Roulé, Ele-
   mentary French. This is followed by the reading of about
   seventy-five pages of easy prose. Four recitations a week.

3. Intermediate Course  Three hours
   Reading of about two hundred pages of easy nineteenth
   century texts. Review of grammar. Composition based on
   the texts read.
   Prerequisite: Courses 1 and 2.

4. Continuation of Course 3  Three hours
   Reading of about three hundred pages of modern prose.
   Collateral reading and reports. Grammar and composition.
   Text: Caraher's French Review Grammar.
   Prerequisite: Course 3.

5. The Romantic Movement  Three hours
   History of French literature of the early nineteenth cen-
   tury. Collateral reading and reports.
   Prerequisite: Course 4.

6. Nineteenth Century—Second Half  Three hours
   History of the realistic period of French literature. Col-
   lateral reading and reports.
   Prerequisite: Courses 1 to 4.
   Courses 5 and 6 are not offered during 1924-’25.

7. The Classic Period  Three hours
   A study of French literature and culture in the seven-
   teenth century. Reading of selections.
   Prerequisite: Course 4.

8. Continuation of Course 7  Three hours
   A study of two dramas of the classic period.
   Prerequisite: Courses 4 and 7.

9. Methods of Teaching Modern Foreign Languages  One hour
   Intended for prospective teachers of French in secondary
   schools. Twenty hours of observation work required.
   Prerequisite: Six of the courses offered in this depart-
   ment.

GERMAN
PROFESSOR A. E. BROENE

1. Elementary Course  Three hours
   Four recitations a week.

2. Continuation of Course 1  Three hours
   Text: Vos’s Essentials, completing first thirty-two les-
   sons. Reading of about one hundred pages of modern
   prose. Four hours a week.

3. Intermediate Course  Three hours
   Review of the more important parts of grammar. Reading
   of nineteenth century prose. Composition. Text: Bözinger,
   Erstes Aufsatzbuch. Assigned reading and reports.
   Prerequisite: Courses 1 and 2.

4. Intermediate Course Continued  Three hours
   Prerequisite: Course 3.

5. The Romantic Period  Three hours
   A survey of German literature of the first half of the
   nineteenth century. Collateral reading and reports.
   Prerequisite: Course 4.

6. Realism  Three hours
   History of German literature after the middle of the
   nineteenth century. Collateral reading and reports.
   Prerequisite: Course 4.
7. Nineteenth Century Drama Three hours
   Selected dramas from Grillparzer, Hebbel, or Hauptmann. Papers on related subjects in English and German. German composition.
   Prerequisite: Course 4.

8. Continuation of Course 7 Three hours
   Prerequisite: Courses 4 and 7.
   Courses 7 and 8 are not offered during 1924-25.

9. The Classic Period Three hours
   A general survey of German literature in the eighteenth century. Collateral reading and composition.
   Prerequisite: Course 4.

10. The Classic Drama Three hours
    A study of two dramas selected from the works of the great classic authors.
    Prerequisite: Courses 4 and 9.
    Courses 9 and 10 are not offered during 1924-25.

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GREEK

PROFESSOR STOB

1. Beginners' Greek Three hours
   Text: Burgess and Bonner's Elementary Greek. The first thirty lessons. Four recitations a week.

2. Beginners' Greek Three hours
   Continuation of Course 1. Completion of the text and reading of the first book of Xenophon's Anabasis. Four recitations.

3. Xenophon Three hours
   Translation of several books of the Anabasis.

4. Homer Three hours
   A study is made of the Iliad.

5. Plato Three hours
   The Apology is studied in its entirety and the Phaedo is begun.

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8. Plato Three hours
   Continuation of the Phaedo and reading of the Theaetetus.

9. Euripides Three hours
   The Medea and the Hippolytus are read. Lectures on the history and the development of Greek drama.

10. Aristophanes Three hours
    The Frogs is read as literary criticism on Euripides. Lectures on development of comedy.

11. Plato Three hours

12. Plato Three hours
    The most important parts of the remaining books of the Republic will be read. 1924-25.

13. New Testament Greek Two hours
    Syntactical study of the Gospel of Mark.

14. New Testament Greek Two hours
    The Epistle of Paul to the Romans is read.
    The courses in New Testament Greek are elective, and cannot be substituted for any of the required courses in classical Greek. They are open to all who have had one year or more of Greek.

15. Sophocles Three hours
    The Antigone is read; also the Bacchanals or Euripides. 1924-25.

16. Aristophanes Three hours
    A study is made of the Birds as representative of Greek comedy. 1924-25.
HEBREW
PROFESSOR VOLBELDA

1. Elementary Course  Three hours
   The material is that covered by Harper's Method and Manual and Harper's Elements of Hebrew.

2. Elementary Course  Three hours
   Continuation of Course 1.
   Courses 1 and 2 are required of all students who contemplate entering the Seminary.

HISTORY
PROFESSOR HOEKSTRA

1. Western Europe Since 1815  Three hours
   The political and economic reconstruction of Europe after the Napoleonic Wars. The narrative history of France and Italy to 1870. Lectures and collateral reading. Not given after 1923–24.

2. Western Europe Since 1815  Three hours
   France and Italy since 1870, Germany since 1815. Lectures and collateral reading. Not given after 1923–24.

1A. Europe Since 1815  Three hours
   The general history of Europe since 1815, with emphasis on such topics as the revolutionary movements in France, the unification of Germany, the rise of Socialism. Discussion and assigned reading. Given 1924–25. Presupposes a High School course in General History.

2A. Europe Since 1815  Three hours
   A continuation of Course 1A, which is prerequisite to 2A. Given 1924–25. Courses 1A and 2A are for Freshmen; open to Sophomores by special arrangement.

3. Eastern Europe Since 1815  Three hours
   Russia from 1815 to the near present. Lectures, readings, and reports. Prerequisite: Courses 1 and 2 or 1A and 2A. Given 1923–24 and 1925–26. For Sophomores and Juniors.

4. England and the British Empire Since 1815  Three hours

4B. Eastern Europe Since 1815  Three hours
   The Balkan States, Austria, Hungary, and Czechoslovakia. Lectures, readings, and reports. Given 1925–26. Prerequisite: Same as for Course 3. For Sophomores and Juniors.

5. English History to 1689.  Three hours
   The political and constitutional history of England will be studied with the aid of such a text as Cheyns's Short History of England. Prerequisite: A High School course in General History, or Courses 1A and 2A. Given 1924–25. Primarily for Sophomore or Junior year.

6. English History Since 1689  Three hours
   Continuation of Course 5, which is prerequisite. Given 1924–25. Courses 5 and 6 should be taken by those preparing for the study of law.

7. American Constitutional History to 1789  Three hours
   Special attention is directed to the origin and development of political institutions and to the formation of state and federal constitutions. Lectures and readings. Prerequisite: A High School course in American History. Should be supplemented by Course 10. Given 1923–24 and 1924–25.

10. American Constitutional History Since 1789  Three hours
   A continuation of Course 7, which is prerequisite. Given 1924–25. Courses 7 and 10 open to Juniors and Seniors.

11. (Now Course 8) 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. Given 1923–24, second semester, and 1924–25, first semester.
12. **AMERICAN FOREIGN RELATIONS**

   Three hours
   Diplomatic relations with South American countries. Origin and development of the Monroe Doctrine. Given 1924–25. Courses 11 and 12 are open to Juniors and Seniors.

9. **Teachers’ Course**

   Methods of teaching history in secondary schools. 1924–25. For Seniors. Prerequisite: 21 to 24 hours of History.

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**LATIN**

**PROFESSOR BOOKS**

Students who expect to teach Latin and are candidates for a State Teacher’s Certificate, are advised to take all the courses in this department.

Students who wish to graduate from the four-year pre-Seminary Course must complete fifteen semester hours beyond Courses 1 and 2, and must include Course 6. Those who with admission offer more than two units of Latin may reduce the requirement by three semester hours for every unit taken in a High School.

1 and 2. **Elementary Latin and Caesar**

   Four hours
   These courses, running through the year, cover the first two units for entrance to College, and are intended for those who have taken no Latin in their High School course. Four hours credit each semester.

3. **Roman Oratory**

   Three hours
   Some selected orations of Cicero and Latin prose composition. Comparison of ancient and modern oratory and the history and government during the century before Christ. This course is offered for those students who present two units of Latin for admission, and is also open to students who have taken Courses 1 and 2. With assigned readings, an additional hour of credit may be earned.

4. **Poetry**

   Three hours
   Parts of books I to VI of Virgil’s Aeneid. Translation and interpretation, metrical reading, and studies in Roman mythology. The personal, national, and religious elements found in the Aeneid are traced in relation to the threefold policy of Augustus Caesar. With the reading of the sixth book a careful study is made of Virgil’s conception of the hereafter. With assigned readings, an additional hour of credit may be earned.

5. **Philosophical Treatises**

   Three hours
   Cicero’s De Senectute and De Amicitia. Papers by the students on assigned subjects.

6. **Christian Literature**

   Three hours
   Augustine’s Confessions and Calvin’s Institutes. The purpose of this Course is to acquaint the students with the life and language of these two great men of the Christian Church, and from their writings in the Latin language to introduce the students to their thought and principles. Papers on assigned subjects.

7. **Roman Historians**

   Three hours
   Livy, Book XXI: the history and the life of Rome during the period of the Punic Wars. Salust: the Jugurthine War or the Catilinarian Conspiracy.

8. **Imortality in Roman Thought**

   Three hours
   Selected readings from various Latin writers for the study of the Roman Conception of the soul after death.
   Cicero: Tuscanus Disputations, Book I; Somnium Scipionis; De Senectute, sec. 74–82; some letters.
   Vergil: Aeneid, Book VI and Georgics, Book III.
   Horace: Selected odes and epodes.
   Selected parts of Ovid, Catullus, and other writers.

9. **Roman Comedy and Biography**

   Two hours
   Terence: the Adelphi or one of his other works. History of the drama among the Romans. Suetonius: The Lives of Julius and Augustus Caesar, and a study of the political, social, and moral conditions at Rome during the last half century before Christ.

10. **Roman Life and Thought**

    Two 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, or who have taken Courses 1 and 2. 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, textbook, assigned readings, term papers. Illustrated with slides.

11. **Roman History of the Empire** *Two hours*

Tacitus: Agricola and Germania. Britain’s and Germany’s ancient forms of government and civilization, with a comparison of the moral and social conditions at Rome during the first century. (Not offered in 1924–25.)

12. **Teachers’ Course** *One hour*

This course is required of all students who expect to teach Latin, and who seek to obtain a State Teacher’s Certificate. It is open to such only as have had at least Courses 1 to 8. In this course a study will be made of the problems and methods of teaching secondary Latin. Twenty hours of observation will be required. Students should combine 12 and 14. (Not offered in 1924–25.)

14. **Latin Grammar and Writing** *One hour*

In this course a thorough review of Latin grammar and syntax will be made, and attention will be given to Latin writing. Parts of Caesar and Cicero will be carefully studied. (Not offered in 1924–25.)

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**MATHEMATICS**

**PROFESSOR NIEUWDORP**

1. **Algebra** *Three hours*

   For those who have had only one year of Algebra in the High School.

2. **Solid Geometry** *Three hours*

3. **College Algebra**
   Prerequisite: Course 1.

4. **Plane Trigonometry**
   Prerequisite: Courses 1 and 3.

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5. **Plane Analytic Geometry**
   Prerequisite: Courses 3 and 4.

6. **Continuation of Course 5**
   *Four hours*

   Plane Analytical Geometry completed and introduction to Solid Analytical Geometry.

7. **Differential Calculus**
   Prerequisite: Courses 5 and 6. Not offered in 1923–24.

8. **Integral Calculus**

9. **Differential Equations**
   Prerequisite: Courses 7 and 8.

10. **Theory of Equations**
    Prerequisite: Courses 3, 5, and 6.

11. **Projective Geometry**
    *Three hours*

    This will be offered if one of the other courses for this semester is not elected by enough students.

12. **Teachers’ Course**
    Discussion of methods of teaching Mathematics in secondary schools. Twenty hours of observation work are required.

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**MUSIC**

**MR. SWETS**

5. **History of Music**
   *Three hours*

   The development of the art of music from the earliest times till 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 readings, term papers, and textbook work.

6. **History of Music**
   Continuation of Course 5.
ORGANIC SCIENCE

PROFESSOR VAN HAITSMA

1. Fundamentals of Zoology
   Four hours
   The more significant principles of animal biology, such as classification, anatomy, physiology, embryology, heredity, and evolution are studied. Three recitations and three hours of laboratory work a week. Laboratory fee, $2.00.

2. Human Physiology
   Two hours
   A study of some vital phenomena occurring in man. Course 1 is a desirable antecedent.

3. Personal Hygiene
   Two hours
   The care of the human body. This course must be preceded or accompanied by Course 2.

4. Invertebrate Zoology
   Four hours
   Anatomy, physiology, behavior, and classification of animals representative of invertebrate groups. Economic forms are emphasized. Three recitations and three hours of laboratory work a week. Laboratory fee, $2.00.

5. Introduction to Botany
   Four hours
   Anatomy, physiology, economics, breeding, and classification of seed plants. Three recitations and three hours of laboratory work a week. Laboratory fee, $2.00.

6. Plant Morphology
   Four hours
   A comparative study of plant forms and life histories typical of large groups. This course offers a general systematic view of the plant kingdom. Three recitations and three hours of laboratory work a week. Laboratory fee, $2.00. Course 6 is prerequisite. (Not offered in 1924-25.)

7. Vertebrate Zoology
   Four hours
   Comparative anatomy and natural history of vertebrates. Evolution problems are emphasized. Three recitations and three hours of laboratory work a week. Laboratory fee, $2.00. Courses 1 and 5 are prerequisites; Course 2 is a desirable antecedent.

8. Biological Problems
   Three hours
   History of biology, the nature of the individual, variation of organisms, evidences for evolution, and organic teleology. Lectures, assigned readings, recitations, and reports. Prerequisite: Course 1. Courses 5 and 8 are desirable antecedents.

12. 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.

13 and 14. Laboratory Methods
   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. Except in cases where special permission is obtained, this course must be accompanied by Course 12. Laboratory fee, $2.00. Three hours of laboratory work a week throughout the year.

PHILOSOPHY

PROFESSOR JELLEMA

Courses 1 and 2 are not considered as Philosophy in the hours prescribed for the General College Course.

1. Psychology
   Three hours
   A general course in psychology with special attention to the philosophical implications. Exercises. Text: Warren or Woodworth.

2. Logic
   Three hours
   A course in traditional logic. Throughout an attempt is made to estimate its relation to real logic. Exercises. Text: Welton and Monahan.

3. Introduction to Philosophy
   Three hours
   An attempt to make the student aware that he is constantly and inescapably answering questions of fundamental import, to give him some notion of what these questions are philosophically, and to acquaint him with the method of solution. Lectures, discussions, and papers. Text: Hibben.
4. **History of Ancient and Medieval Philosophy**

   Three hours

   An attempt by discussion to appreciate the problems and method of philosophy as incorporated in the historic development. Emphasis is on the implicit movement. Collateral reading, including fragments from the translated sources. Papers. Text: Cushman, Volume I.

5. **History of Philosophy to Kant**

   Three hours

   Continuation of Course 4. Text; Cushman, Volume II.

6. **History of Philosophy Kant and After**

   Three hours

   An intensive study of this period, its setting, the problems solved, and those raised. Especial attention to the movement of idealism and to philosophy in America. Lectures, discussions, readings, papers. Text: Falckenberg.

7. **Ethics**

   Three hours

   Lectures, discussions, and papers on the problems and method in ethics with emphasis on the relation to religion and metaphysics. Papers. Text: Seth.

8. **Metaphysics**

   Three hours

   Lectures, discussions, and papers. Text: Bradley's Appearance and Reality.

   Courses 6, 7, and 8 may be altered during 1924–25 to suit the need of students.

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**PHYSICS**

**PROFESSOR OLTHOFF**

1. **General Physics**

   Four hours

   Mechanics, molecular physics, heat. Prerequisites: High School physics and a course in plane trigonometry. Three class periods and one laboratory period. Laboratory fee, $2.00.

2. **General Physics**

   Four hours

   Electricity, sound, and light. Three class periods and one laboratory period per week. Laboratory fee, $2.00.

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5. **Problem Course**

   One hour

   A course required of engineering students. It should accompany Course 1.

6. **Problem Course**

   One hour

   Continuation of Course 5. This course should accompany Course 2.

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**POLITICAL SCIENCE**

**PROFESSOR HOEKSTRA**

1. **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. 1924–25.

2. **Introduction to Political Science**

   Three hours

   Continuation of Course 1, which is prerequisite.

3. **American Constitutional Law**

   Three hours

   The constitutional framework and the practical operation of the federal and state constitutions. The relation of government to the business and social interests of the people. Interpretation of the constitution by the various departments of the government. 1923–24.

4. **American Constitutional Law**

   Three hours

   Continuation of Course 3, which is prerequisite. Courses 1 to 4 are open to Juniors and Seniors.

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**PUBLIC SPEAKING**

**MR. SWETS**

1. **The Speech**

   One hour

   Reading and writing of speeches to develop a direct, forceful, conversational style. Memorization of selections. Delivery of short speeches and orations before the class.

2. **The Speech**

   One hour

   Continuation of Course 1.
3. **The Oration**
   One hour
   The writing and delivery of orations and the study of their qualities.

4. **The Oration**
   Continuation of Course 3.

5. **Interpretive Reading**
   One hour
   The principles of interpretation and expression. Selections from Moulton's Modern Readers' Bible. Reading of the speeches of great orators and the interpretation of representative selections before the class.

6. **Interpretive Reading**
   Continuation of Course 5.

7. **Expression**
   One hour
   Study of the principles of vocal expression and interpretation. The analytical study of vowel and consonant sounds. Story telling. Reading and oral interpretation of standard selections before the class. Required of students taking the Normal Course.

8. **Expression**
   Continuation of Course 7.

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**NORMAL DEPARTMENT**

**FRESHMAN**

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**SOPHOMORE**

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The completion of this course will entitle the graduate to a three-year State Certificate, and, after three years of satisfactory teaching, to a Life Certificate.
DESCRIPTION OF COURSES

ENGLISH—Course 1
Three hours
Review of the essentials of rhetoric; lectures on the preparation of long themes, term papers, and monographs; the writing of one long theme; weekly exercises in exposition and description. Professor Van den Bosch.

ENGLISH GRAMMAR
Two hours
Content and method.

INTRODUCTORY PSYCHOLOGY—Course 1
Three hours
A first course with some reference to the implications of psychology for pedagogy. Professor J. Broene.

GENETIC PSYCHOLOGY—Course 2
Three hours
Course 1 or its equivalent is a prerequisite. Professor J. Broene.

PRINCIPLES OF EDUCATION—Course 3
Three hours
A study of the aim of education and of the various underlying problems. Professor J. Broene.

HISTORY OF EDUCATION
Three hours
A survey course. Professor J. Broene.

EXPRESSION—Courses 7 and 8
Two hours
Study of the principles of vocal expression and interpretation. The analytic study of vowel and consonant sounds. Story telling. Reading and oral interpretation of standard selections before the class. One hour each semester. Mr. Swets.

MUSIC—Course 1
One hour
The elements of music. Drill in notation, time and rhythmic values, scales and signatures. Mr. Swets.

MUSIC—Course 2
One hour
Continuation of Course 1, including an introduction to school music. Mr. Swets.

HUMAN PHYSIOLOGY—Course 2
Two hours
A study of some vital phenomena occurring in man. Course 1 is a desirable antecedent. Professor Van Haitsma.

PERSONAL HYGIENE—Course 4
Two hours
The care of the human body. This must be preceded or accompanied by Course 2. Professor Van Haitsma.

FUNDAMENTALS—Course 11
Three hours

FUNDAMENTALS—Course 12
Three hours
Continuation of Course 11. Rev. Van Halsema.

RELIGION
Six hours
The whole field of Reformed doctrine is covered. Both semesters.

ELECTIVES
Nine hours
For electives allowed see the respective descriptions of courses in the College Department.

COURSES TAUGHT BY MR. VAN ZYL

1. METHODS OF TEACHING—GENERAL
Five hours
Five units of work will be presented; viz., characteristics of methods, aims and objectives of education in elementary school, individual differences, curriculum adjustments to meet these differences, and controlling principles of the Public School and the Christian School in the United States. Required text: Parker’s General Methods and Principles of Teaching.

2. METHODS OF TEACHING—SPECIFIC
Five hours
The main emphasis will fall on the teaching of reading, Bible history, United States history, geography, composition, and arithmetic. Required texts: Parker’s Types of Teaching and Learning in Elementary School, and Freeman’s Psychology of Elementary School Subjects.

3 and 4. GENERAL TECHNIQUE
Two hours
One hour throughout the school year; it can be taken either or both semesters. Lectures will be given on the distinctive features of the elementary school, control technique, mastery notion, language arts types of teaching, pure practice type, science type, number work, and language usages.
5. Penmanship
   One hour
   Both blackboard writing and penmanship, and theory as well as practice are given during one hour per week in the first semester only. The Freeman system is used.

6. Drawing
   One hour
   One hour per week during second semester only. As in penmanship both seatwork and blackboard drawing are practiced in connection with Lederer and Smith's Course in Drawing. The theory is treated in the required text: Sargent and Miller's book on Drawing in the Elementary School.

7. Observation Work
   Three hours
   This is carried on for three hours per week during the first semester. Definite instructions are given as to the type of observation to be made. The fourth hour is devoted to a consultation with the instructor regarding the work to be done.

8. Practice Teaching. See the following regulations:
   a) Practice teaching done in the past in connection with courses of education in Calvin in the Preparatory Department can not be accepted for exemption.
   b) Three hours per week are required for practice teaching in the Practice School, plus one hour per week for consultation with the normal instructor at Calvin. The students discuss with him any phase of the work.

   About twenty lessons or more should be taught by the student-teacher himself.

   A grade C or better is needed in this work for graduation. The final standing is to be determined by the instructor at Calvin College after conference with the principal of the Practice School.

   c) The supervision of practice teaching, insofar as the Practice School is concerned, is in the hands of the principal there. This supervision includes:
      1) Supervision of the amount of time the student-teacher spends in the Practice School.
      2) Supervision of the quality of work done.

   d) In order to make the Practice Teaching a joint affair of the Practice School staff and the student-teachers, each member of the staff and each student-teacher will be supplied with a manual such as "The Observation Record Book in the Study of Teaching" by Landsittel. Copies will be furnished by Calvin College in which property rights are to remain.

   A united effort in the study of teaching with one basic text as a standardizing agency can not but benefit all. A serious study of so rich a text with direct, clear, and most suggestive material is deemed necessary.

   c) The normal instructor in the consultation with his students will, of course, act as departmental advisor.

   f) Students who can furnish satisfactory evidence that they have had successful experience as teachers may be permitted to substitute courses in the Department of Education.

   Students may be tested for exemption by assignment to three weeks of non-credit teaching.

   g) No partial exemption is allowed. Take all of the (72) hours of Practice Teaching or none, and substitute other courses for it in the latter case.

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   DEPARTMENT OF MUSIC

   TEACHING STAFF
   Seym our Swets, A. M. Vocal Music
   Barbara Heeres Violin
   Herman Oosterhuis Piano

   VOCAL MUSIC

   MR. SWETS

   1. Rudiments
      One hour
      The elements of music. Drill in notation, time and rhythmic values, scales and signatures.

   2. Rudiments
      One hour
      Continuation of Course 1, including an introduction to school music. Courses 1 and 2 are designed for Normal students.

   3. Harmony
      Two hours
      Ear-training and sight-singing. A threefold approach to the elements of harmony through the ear, eye, and hand or keyboard. Written work and class exercises.

      Prerequisite: Courses 1 and 2.

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4. Harmony
   Continuation of Course 3.
   Two hours

5. History of Music
   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 readings, term papers, and text-
book work.
   Three hours

6. History of Music
   Continuation of Course 5.
   Three hours

7. Singing
   Individual lessons for the development of the voice and
the memorizing of a repertoire of sacred and secular art
songs and arias from the great oratorios and operas. Semester
fee: $10.00.
   One hour

8. Singing
   Continuation of Course 7. Semester fee: $10.00.

9 and 10. Chorus
   The study of representative works of the great masters
of choral writing with a view to public performance. Open
to all students. Compulsory for Normal students.

VIOLIN
MISS BARBARA HEERES
   Individual lessons. Studies such as Dancla, Wohlfart, De
Beriot, and others more advanced. The individual needs of the
student are considered in the use of teaching material and
methods of instruction. Opportunity for ensemble playing for
those sufficiently advanced. Fee to be arranged. One lesson
each week.

PIANO
MR. OOSTERHUIS
   Hand culture, finger exercises, fundamentals of technic,
technical exercises, scales, arpeggios, broken chords, scales in
thirds and sixths, preparatory octave work.
   Studies and pieces by Czerny, Heller, Bertini, Bach, Mendels-
sohn, Haydn, Mozart, Beethoven, McDowell, and others.
   Fee to be arranged. One lesson each week.
CURRICULUM

Owing to the gradual abolition of this department, only the following courses are being taught this year:

THIRD YEAR

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FOURTH YEAR

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During 1924–25 only the courses comprised in the last year will be given.
DESCRIPTION OF COURSES

The figure at the right of the name of the course indicates the year of the curriculum.

BIBLE STUDY
PROFESSOR HEYNS


DUTCH
PROFESSOR VAN ANDEL


Dutch 4A. Review of Grammar. Weekly compositions. Discussion of the most important Romantic authors, especially of Bilderdijk and Da Costa. Five times a week. First semester.

Dutch 4B. Advanced composition. Discussion of the most important Realistic authors. Five times a week. Second semester.

ENGLISH
PROFESSOR VANDEN BOSCH


English 4. History of English Literature. Special study of Shakespeare's As You Like It and Hamlet, and a more rapid survey of as many masterpieces as can be taken up. Five times a week. Second semester.

HISTORY
PROFESSOR HOEKSTRA


American History 4. The study of American History has for its object to familiarize the student with the important facts and events of the history of our country, and to equip him with a clear outline of American History as a foundation for more advanced work or more intelligent reading. Text: Fite, History of the United States. Three times a week.

Civics 4. A study is made of municipal, state, and national government. Text: James and Sanford, Our Government. Twice a week.

LATIN
PROFESSOR ROOKS


Latin 4. The four orations against Catiline; De Imperio Pompeii; selected letters. Drill in the forms and syntax of the verb continued. Special attention given to the syntax of nouns, pronouns, and adjectives. Prose composition. Five times a week. Text: Kelsey's Cicero; Bennett's Latin Grammar.

ORGANIC SCIENCE
PROFESSOR VAN HAITSDA

Zoology 3. An introduction to Zoology from the general cultural point of view. Two recitations and one laboratory period a week during the first semester, three recitations during the second. Laboratory fee, $2.00.

Physiology 3. The subject deals with the anatomy, physiology, and hygiene of the human body. Throughout the course the student's attention is called to the Christian principles underlying the study of the subject. The course is designed especially for prospective teachers. Text: Eddy's Textbook in General Physiology and Anatomy. Twice a week.
PHYSICS

PROFESSOR OLTHOFF

Physics 4. This course deals with the fundamental principles of Mechanics, Heat, Electricity, Sound, and Light. Texts: Millikan and Gale’s Practical Physics; Millikan-Gale-Bishop’s Laboratory Physics. Four recitations and one laboratory period a week. Laboratory fee, $2.00.

PHYSICAL TRAINING

The University of Michigan requires gymnasium work twice a week of first year students and recommends that the students of the other years take such work. Students of our school who take work in the College Department and who look forward towards taking advanced work at the University of Michigan can satisfy the requirements of physical training of Freshmen students at the U. of M. by taking the elementary course given at our city Y. M. C. A.

The following courses in Physical Training are offered at our Y. M. C. A., which our students may take:

First year work. (Elementary.) Light calisthenics, marching, heavy calisthenics, group games and contests, apparatus work. Other exercises for the improvement, posture, breathing, and muscular co-ordination. Two hours credit.

Second year work. (Advanced.) Advanced calisthenics, dumbbells, wands, marching, heavy apparatus, group games, and contests of a developed mental type. Two hours credit.

The Theological School
FACULTY

The REV. FOPPE M. TEN HOOR
918 Union Avenue, SE.
Professor of Systematic Theology

The REV. WILLIAM HEYNS, Registrar
1319 Singh Street, SE.
Professor of Practical Theology

The REV. LOUIS BERKHOFF, B. D., Secretary
834 Worden Street, SE.
Professor of Exegetical Theology; New Testament

The REV. SAMUEL VOLBEDA, Theol. D., Rector
811 Geneva Avenue, SE.
Professor of Historical Theology

PROFESSOR RALPH STOB, Librarian

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GENERAL REMARKS

The Seminary.—The Seminary is maintained and supervised by the Christian Reformed Church, its aim being both to make a scientific study of theology and to prepare young men for the ministry. All instruction given by the theological professors must be in harmony with the standards of the Church, the Reformed confessional writings.

Opening.—The school-year of 1924-25 begins the first week in September. On Wednesday, September 3, 1924, all new students must present themselves for matriculation. The formal opening of the Seminary occurs in the afternoon of Thursday, September 4.

Admission.—Every person who wishes to matriculate as a student of the Seminary must present the following to the Faculty at its meeting held on the day previous to the opening of the School:

1. A written testimonial from his consistory, showing that he is a church member in full communion and in good standing;
2. A testimonial from the Board of Trustees to the effect that he has successfully passed the examination of the Board as to his spiritual fitness for the ministry; and
3. A diploma or a statement of credits, showing that he is a graduate of the Pre-Seminary Course of the Theological School and Calvin College, or has completed a similar course of study elsewhere.
4. In addition to this, students from other schools must furnish proof that they have two units of German to their credit.

Registration.—All students of the Seminary are required to register at the office of the Institution on the opening day of the School and again at the beginning of the second semester, on the first day after the last examination. Tuition must be paid on the day of registration. Deferred payment can be granted by the Rector only on that day for a period not exceeding one month. Students who fail to pay on the day of registration or on the date stipulated for them, will have to pay a fee of one dollar. The penalty of coming late, except in cases of sickness, is the deduction of two per cent from the final average standing in any given subject for every recitation or lecture from which delinquent is absent.

Tuition.—No matriculation fees are charged. The tuition is fifty dollars a year, to be paid in two instalments. It must be paid to the treasurer on the day of registration in September and January. For those living West of the Mississippi or East of the Ohio, tuition is only twenty-five dollars per year. Students from Montana, Wyoming, Colorado, New Mexico, and from points West of these states, have free tuition.

Examinations.—Written examinations are held at the close of both the first and the second semester. By a ruling of the Synod of 1920 the Theological Faculty henceforth decides on the promotion and graduation of Seminary students.

Graduation.—Upon completing the prescribed course of study of three years, graduates are awarded a diploma. The graduation fee is ten dollars and must be paid before the final examinations are taken.

“Krons”.—This is a gathering of the students in Theology, occurring twice a week, at which the professors of the Seminary preside in rotation. The exercises consist of the delivery and criticism of sermons, and have for their purpose the supplementing of the courses in Practical Theology.

Preaching of Students.—No student of the College or of the first year in Theology is permitted to preach. This privilege is granted under certain restrictions only to members of the second and third class in Theology. Students of the first class who desire this privilege must, at the end of the year, appear before the Board of Trustees to be examined for licensure. If they are not present for the examination, they shall not be permitted to preach in our churches until the following spring, after they have been examined by “Curatorium Contractum”.

“Corps”.—The students of the Seminary maintain an organization called “Corps”, its aim being to promote propriety of conduct and manners, to cultivate Christian character, and to foster scientific and literary effort.

Information.—For further information apply to the Rector, Dr. S. Volbeda, 811 Geneva Ave., SE., Grand Rapids, Mich.
COURSES OF STUDY

EXEGETICAL THEOLOGY
Old Testament

PROFESSORS HEYNS, BERKHOF, VOLBEDA, AND
DR. Y. P. DE JONG

Hebrew.—The study of the Hebrew language is begun in the last year of the college course and continued through the second year in the Seminary. The first year’s work in the subject is that covered by Harper’s Method and Manual and Elements of Hebrew. In the Seminary Davidson’s Hebrew Grammar is taken up together with the reading of portions of the historical or prophetic books for the purpose of acquiring a more extended Hebrew vocabulary and familiarity with principles of Hebrew Syntax. Professors Volbeda and Berkhof.

Isagoge.—Introduction to the canonical Scriptures of the Old Testament. A two-hour semester course, being a study of the contents, of the question of authorship, composition, etc., of the several Old Testament books, together with a sketch of the history of Biblical criticism. Professor Berkhof.

Sacred History.—The course presupposes familiarity with the main facts of the Old Testament record, and deals largely with the more important problems of the subject. Professor Heyns.

Exegesis.—Interpretation of a portion of the prophetic writings or of some of the psalms. Throughout the course emphasis is laid on the application of strictly scientific methods in exegetical study. Dr. Y. P. De Jong.

NEW TESTAMENT

PROFESSORS BERKHOF AND STOB

Isagoge.—Introduction to the canonical Scriptures of the New Testament. The several books of the New Testament are studied as to their contents, authorship, composition, history, inspiration, and significance in the canon. This is complemented by the detailed study of some New Testament problems.

Hermeneutics.—The aim of this course is to give a general survey of the history of interpretation, and to discuss the principles, methods, and rules that are to be applied in the interpretation of the Bible.

Exegesis.—Introduction to, and interpretation of, some part of the New Testament. This course aims at developing the proper exegetical praxis.

Sacred History.—A general survey is made of the historical facts that are recorded in the New Testament, and their import in the history of revelation is carefully noted. The work is based on the sources.

New Testament Greek.—Philological interpretation of portions of the Gospels or of the Pauline Epistles. Professor Stob.

HISTORICAL THEOLOGY

PROFESSOR VOLBEDA

General Church History.—Classes I–III study Mediæval Church History this year. The study of Modern Church history will be taken up in 1923–’24. This course seeks to present the history of the Christian Church as the background against which the present life of the Church of God, as expressing itself in its condition, thought, and activities, must be projected in order to be properly understood and correctly appreciated. Lectures and a prescribed text.

American Church History.—This course is taken by Class II. Its object is to familiarize the student with the experiences through which the church of Christ in America has passed, with a view to the attitude he should assume toward the various churches with which God brings the church of his choice and love into continual contact. Text: L. W. Bacon, A History of American Christianity; and Lectures.

History of the Christian Reformed Church.—This course is taken by Class III and is based upon the assumption that an adequate knowledge of the history of the church in which the prospective minister of the Gospel expects to serve God is imperative, if he is to discharge the duties of the desired office conscientiously, efficiently, and acceptably. Text: Henry Beets, De Christelijke Gereformeerde Kerk in N. A.; and Lectures.

Missionary Science.—This course comprises three distinct divisions, viz., Doctrine of Missions, History of Missions, and Theory of Missionary Practice. In the absence, quite generally, of regard for the Doctrine of Missions, and with a view to the preponderance of interest in the historical and practical aspects of missions, the dogma of doctrine of missions is made at least proportionately prominent. Sound missionary practice requires sound missionary doctrine. The latter, based upon God’s Word, is the criterion of missionary history and the norm of missionary practice. Will be given in 1924–’25, second semester, Class III.
SYSTEMATIC THEOLOGY
PROFESSOR TEN HOOR

Theological Encyclopedia.—The concept, object, principles, and contents of Theology as one organic whole. The differentiation and organic unity of the divisions and subdivisions.

The History of Doctrine.—Development of the several doctrines in the course of centuries.

Introduction to Dogmatics.—Exposition of the principles of Theology and Religion in general, and of Dogmatics in particular. Comparison and criticism of the different tendencies in Theology, with the Bible, which is recognized as the only source of Dogmatics, as criterion.

Dogmatics.—The aim of this study is to show how the general dogmas have been derived from the Holy Scriptures, how they have been one-sidedly distorted to the right or to the left, what their Scriptural meaning is, how they are related and together form one whole, and finally, how our practice should be determined by these truths.

Ethics.—While in Dogmatics a study is made of what we should believe, in Ethics the aim is to determine how we should be and conduct ourselves. The distinction is made clear between philosophical and theological Ethics. The contents of the latter are derived from Holy Scripture alone.

PRACTICAL THEOLOGY
PROFESSOR HEYNS

Homiletics.—The principles to be observed in order that preaching may truly be ministration of the Word; the demands of Rhetoric in the composition and delivery of a sermon; the history of preaching; exercises in analyzing texts and in making and criticizing sermon outlines.


Liturgics.—Historical study of the forms of Christian worship in different periods; public worship and principles according to which it should be conducted. 1923–24.

Poimandies.—Study of the pastoral work required by the Holy Scriptures of the minister of the Word, his conduct in house-visitation, in visitation of the sick, and in special cases. 1923–24.

Church Polity and Church Government.—Study of the essential features, Biblical basis, and historical development of the Presbyterian Synodical system of Church Polity; treatment of our Church Order and its amendments, with suggestions relative to their application in practice. 1924–25.

THE WORK OF THE CLASSES

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DEGREES CONFERRED IN 1923

BACHELOR OF ARTS

Ary J. Abrahams
Stuart Bergsma
John Peter Brouwer
Elizabeth Andre Gezon
John Hofstra
Albert Jabaay
William Henry Rutgers
Cornelius Smith
Henry A. Swets
Daniel J. Van Houte
Anna De Mol-Van Lunen
Harry Vork
Dewey Westra
Henry Richard Wezeman

MICHIGAN STATE TEACHERS' CERTIFICATES

John Peter Brouwer
Elizabeth Andre Gezon
John Hofstra
Henry A. Swets
Anna De Mol-Van Lunen
Harry Vork
Henry Richard Wezeman

REGISTER OF STUDENTS

THE SEMINARY

THIRD YEAR

Name                      College Address          Residence
Peter G. Berkhout.       1226 Leonard St., NW...Grand Rapids
David D. Bonnema.        718 Dykema Ct., SE...Hawarden, Ia.
Ralph Bronkema.          1027 Widdicomb Ave., Grand Rapids
Benjamin J. Danhof.      822 Madison Ave., SE...Grand Rapids
Alrich Dusseljee.        1111 Fulton St., East...Grand Rapids
John M. Dykstra.         1162 Cromwell Ave., SE...Chicago, Ill.
John Gritter.            860 Worden St., SE...Grand Rapids
Oren Holtrop.             558 Eastern Ave., SE...Ferrysburg
Richard J. Karsem.       819 Logan St., SE...Chicago, Ill.
William Kok.             1106 Eastern Ave., SE...Grand Rapids
Martin Monsma.           745 Delaware St., SE...Grand Rapids

SECOND YEAR

William Alkema.          1242 Leonard St., NW...Grand Rapids
John Beebe.               856 Watkins St., SE...W. Sayville, N.Y.
Ralph J. Bon.             1118 Marshall St., SE...Grand Rapids
Fred Bronkema.            1118 Turner Ave., NW...Grand Rapids
Ralph J. Danhof.          1001 Prince St., SE...Grand Rapids
John W. C. Ehlers.        522 Vries St., SW...Kalamazoo
John Holwerda.            1318 Hurst Ave., SE...Paterson, N. J.
Jacob R. Kamps.           438 Eastern Ave., SE...Zeeland
Anthony A. Koning.        1058 Franklin St., SE...Kalamazoo
James Felt.               1146 Widdicomb Ave...Kalamazoo
John F. Redding.          362 Franklin St., SE...Chicago, Ill.
John Rubingh.             1106 Dunham St., SE...Elksworth
Albert H. Selles.         519 Logan St., SE...Grand Rapids
Sebastian Struyk.         836 Oakhill St., SE...Grand Rapids
Kasjen Tebben.            1017 Niagara Ave., SE...Grand Rapids
Henry J. Triesenberg.     1057 Thomas St., SE...Kalamazoo
Martin Van Dyk.           1218 Butler Ave., SE...Ogivie, Minn.
John J. Van Heel.         869 Oakhill St., SE...Grand Rapids
Bernardus Van Someren.    905 Dunham St., SE...Baldwin, Wis.

FIRST YEAR

Nicholas De Vries.         945 Virginia St., SE...Paterson, N. J.
Albert Jabaay.            819 Logan St., SE...Hammond, Ind.
John Kruthof.             1526 "B" St., SW...Grand Rapids
William Rutgers.          836 "B" St., SW...Grand Rapids
Peter Steen.              725 Alto Ave., SE...Paterson, N. J.
Henry Vande Kief.         347 Donald Place, SE...Falls, Iowa
Daniel Van Houte.         946 Baxter St., SE...Grand Rapids
Herman Wiertenga.         914 Tamarack Ave., NW...Grand Rapids

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### THE COLLEGE

#### SENIORS

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>John Ralph Bos.</td>
<td>621 Delaware St., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>Nellie Jeannette Bosma</td>
<td>831 Bates St., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>Leonard Bosma</td>
<td>829 Hazy Ave., SE</td>
<td>Grand Rapids</td>
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<tr>
<td>John Henry De Haan</td>
<td>1025 Bates St., SE</td>
<td>Pella, Iowa</td>
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<tr>
<td>J. Henry Geurink</td>
<td>1045 Thomas St., SE</td>
<td>Pease, Minn.</td>
</tr>
<tr>
<td>Herman Gulka</td>
<td>853 Franklin St., SE</td>
<td>Harrison S. D.</td>
</tr>
<tr>
<td>John Samuel Hultemeier</td>
<td>853 Thomas St., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>William Hendrikson</td>
<td>636 Bates St., SE</td>
<td>Kalamazoo</td>
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<tr>
<td>Peter Hoekstra</td>
<td>650 Pleasant St., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>Arthur Kuzma</td>
<td>960 Temple St., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>Edith Maness</td>
<td>566 Thomas St., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>John Edward Meeter</td>
<td>1162 Alexander St., SE</td>
<td>Hammond, Ind.</td>
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<tr>
<td>John Orzechke</td>
<td>728 Delaware St., SE</td>
<td>Grand Rapids</td>
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<tr>
<td>Andrew George Sall</td>
<td>356 Collins Ave., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>John L. Schaver</td>
<td>959 Thomas St., SE</td>
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<tr>
<td>Albert Kunnen Stevens</td>
<td>1058 Franklin St., SE</td>
<td>Fremont</td>
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<tr>
<td>Ned Bernard Stonehouse</td>
<td>1151 Wealthy St., SE</td>
<td>Grand Rapids</td>
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<tr>
<td>John Swets</td>
<td>1384 Alexander St., SE</td>
<td>Grand Rapids</td>
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<tr>
<td>Johanna Timmer</td>
<td>1325 Thomas St., SE</td>
<td>Holland</td>
</tr>
<tr>
<td>Joseph Vande Kieft</td>
<td>904 Kalamazoo Ave., SE</td>
<td>Tracy, In.</td>
</tr>
<tr>
<td>Carolyn Mae Vander Meer</td>
<td>R. R. 7</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>John Van Dyk</td>
<td>1218 Butler Ave., SE</td>
<td>Inwood, Iowa</td>
</tr>
<tr>
<td>John James Van Haest</td>
<td>859 Oakhill St., SE</td>
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#### JUNIORS

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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Andrew Banning</td>
<td>1058 Franklin St., Wh</td>
<td>Whitinsville, Mass.</td>
</tr>
<tr>
<td>Gerrit Beckering</td>
<td>785 Vander Vein St., SE</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>Joe Betten</td>
<td>1058 Franklin St., SE</td>
<td>Fremont</td>
</tr>
<tr>
<td>Daniel Frederick Bosma</td>
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### SOPHOMORES

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**UNCLASSIFIED**

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PREPATORY SCHOOL

FOURTH YEAR

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THIRD YEAR

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SUMMARY OF ENROLMENT

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<td>Juniors</td>
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<td>Sophomores</td>
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<td>Freshmen</td>
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<td>Unclassified</td>
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PREPATORY SCHOOL

Fourth Year: 20
Third Year: 11

SEMINARY

Third Year: 11
Second Year: 19
First Year: 8

38

286