

1984

Dordt College 1984-85 Catalog

Dordt College. Registrar's Office

Follow this and additional works at: https://digitalcollections.dordt.edu/academic_catalogs

Recommended Citation

Dordt College. Registrar's Office, "Dordt College 1984-85 Catalog" (1984). *Academic Catalogs*. 43.
https://digitalcollections.dordt.edu/academic_catalogs/43

This Book is brought to you for free and open access by the University Publications at Dordt Digital Collections. It has been accepted for inclusion in Academic Catalogs by an authorized administrator of Dordt Digital Collections. For more information, please contact ingrid.mulder@dordt.edu.

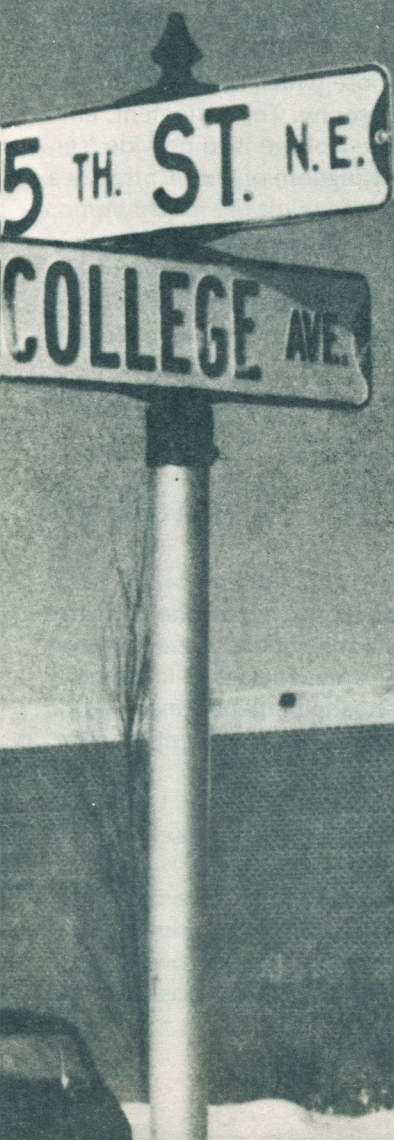
Discover



DORDT COLLEGE



1984-85 CATALOG



CONTENTS

THE AIMS/2

THE HISTORY/2

ACCREDITATION/3

THE CAMPUS/3

Location

Buildings

ACADEMIC COMMUNITY/6

Christian Commitment

Student Activities

Housing

ADMISSION TO THE COLLEGE/11

EXPENSES AND FINANCIAL AID/14

Expenses

Financial Aid

SCHOLARSHIPS AND GRANTS/23

THE ACADEMIC PROGRAM/30

Graduation Requirements

ACADEMIC POLICIES/34

PROGRAMS OF STUDY/40

COURSES OF INSTRUCTION/54

COLLEGE PERSONNEL/113

GEOGRAPHIC DISTRIBUTION/123

ACADEMIC CALENDAR/124

CAMPUS MAP/125

INDEX/126

Dordt College – 1984-1985

The Aims

Dordt College is controlled by a society, whose members desire higher education which is in harmony with the principles of the Bible.

The constituents of Dordt College believe that the Bible is God's infallibly and authoritatively inspired Word, the only rule for faith and life. They are bound in their interpretation of the Bible by **The Belgic Confession, The Heidelberg Catechism, and The Canons of Dort**—Confessions arising out of a Reformed world-view, which acknowledges the sovereignty of God and seeks seriously to apply biblical principles everywhere.

All education at Dordt College must be in conformity with the Christian faith as expressed in the Reformed Confessions. Therefore, under the supervision of the Board of Trustees, the faculty has set forth and seeks to implement a Statement of Purpose which describes the implications of the Reformed faith for a Christian educational philosophy. This statement, entitled **The Educational Task of Dordt College**, makes clear that the College is to provide "serviceable insight," that is, insight which prepares for service in the Kingdom of Jesus Christ. As a Christian college, Dordt

aims to train Kingdom citizens aware of the demands of the cultural mandate, equipped to take their place and carry out their tasks within the community of believers, able to discern the spiritual direction of our civilization, and prepared to advance, in loving service, the claims of Christ over all areas of life. (p. 10)

Dordt College seeks not only to prepare its students for future service, but desires also to reflect in all campus activity the dynamics of the Kingdom life.

The History

Dordt College had its inception in 1937 with the educational leadership of the Christian Reformed Churches in the Midwest. At that time, communications concerning a Christian two-year college were circulated among the various classes of the area. The actual implementing of the idea was delayed through the intervention of the national emergency anent World War II. New impetus was given to the movement after the war by reason of the critical shortage of qualified teachers for the Christian schools of the Midwest area.

The College was organized in 1953 as the Midwest Christian Junior College. Under this name, instruction began in September, 1955. In 1956, the name of the College was changed to Dordt College.

The Dordt College Executive Board at its September, 1959 meeting appointed a committee to study the possibility of having Dordt become a four-year college. After extensive study, a Society meeting was held on October 16, 1962. At this meeting, the Society approved the addition of the junior and senior years. Thus, in September, 1963, the junior class was added. In 1965, the first class received the A.B. degrees.

Accreditation

Dordt College is accredited by the North Central Association of Colleges and Secondary Schools as a four-year bachelor degree granting institution.

The Iowa Department of Public Instruction has approved Dordt's program of teacher education. Graduates of the teacher education program receive the Iowa Professional Certificate which is valid for a period of ten years.

The college is also approved to train veterans under Public Law 550, war orphans under Public Law 634, and students from foreign countries.

THE CAMPUS

Location

The Dordt College campus is located in Sioux Center, Iowa, a prosperous, rapidly growing community in Northwest Iowa. Recreational facilities available to students include the Sandy Hollow nine-hole golf course and swimming area, two parks, a football-track stadium, and an indoor swimming pool adjacent to the Dordt campus. Sioux Center is situated on Highway 75, forty-five miles northeast of Sioux City, Iowa and fifty-five miles southeast of Sioux Falls, South Dakota.

Buildings

The Classroom Building — The Classroom Building combines both the old and new in classroom facilities. The older section contains several classrooms as well as the business office, business machine labs, a media center, Dordt Press, listening lab, and New World Theater.

The newer section of the building features a 200-seat lecture hall and seven classrooms. The building also contains Public Relations', College Development's, and College President's offices.

Chapel-Music Center — The chapel-music center is the newest facility on campus. It was completed in 1979. It consists of two main sections, a music building and a large chapel-auditorium. The music building houses rehearsal rooms and studios for all of the musical organizations on campus, as well as vocal and instrumental practice rooms and music faculty offices. The chapel-auditorium, which is used for chapel services, concerts, organ recitals, and special events, contains seating for approximately 1500 people and a large, beautiful Casavant pipe organ.

The Art-Administration Building — The Art-Administration Building, built in 1962, offers facilities for the art program. The building contains two large studios and offices for the art department. Other offices include those for the academic administrative staff. These offices accommodate the Vice-President of Academic Affairs, the Registrar, the Director of Admissions and Financial Aid, the Admissions Counselors for the college, and offices for academic advising and counseling.

The Library — The library was occupied in the fall of 1966, with an addition completed in 1978. This building provides book shelving for over 100,000 volumes and seating for 350 students. The library contains a workroom, librarian's office, circulation desk, reference section, periodicals section including microforms, learning resources center, reading areas, book stacks, conference rooms, and a career information center. The building also contains a Dutch archives collection, faculty offices, and classrooms. A terminal connects the library with OCLC computer center, Columbus, Ohio, and is used for cataloging of material and for interlibrary loans.

The Natural Sciences Building — The original building was completed in September of 1968. An addition was completed in 1978 and additional greenhouse facilities were added in 1980. This building contains three biology labs, three chemistry labs, two physics labs, agriculture department facilities, three research labs, facilities for study and research of live plants and animals, a darkroom, a shop, storage rooms, ten faculty offices, three lecture rooms, one seminar room, and a greenhouse.

The Engineering Building — An addition to the Natural Sciences Building for the Engineering Program was completed in 1982. This addition includes classrooms, laboratories, microcomputer facilities and office space.

The Commons — The first section of the Commons was completed in 1964. Wings were added in 1966, 1969, and 1979. The building has complete facilities for serving all meals to students living in the dormitories, in the residence halls, and in college approved private housing.

Radio/Communications Center — An extensive expansion project was completed in 1974 on the radio station KDCR-FM. The new facilities include a master control room, a production studio, classroom-studio, and an announcer's booth. The project also included a station administration office, a program director's office, a secretarial-reception area, and an engineer's workroom. Remaining space in the new building facilitates a record and tape library, a transmitter, and newswire services.

The Physical Education Building — The Physical Education Building was completed in September, 1968 with an addition completed in 1979. This building has a gymnasium which can be divided into three sections for physical education classes. When used for athletic events, the gymnasium will seat 2500 people. The building also contains six offices, a classroom, locker rooms, a weight-training room, an intramural equipment room, racquetball/handball court, and the necessary service areas.

The Student Union Building — The S.U.B. serves as a social and recreational center for the college community. The ground level contains a student lounge/art gallery area. In addition, the main floor contains a coffee shop and the college bookstore.

On the lower level is a four-lane bowling alley, billiard and ping-pong tables, a darkroom, student publications offices, the Dean of Students office, and the Counseling Center.

Astronomical Observatories — Two astronomical observatories are freely available to Dordt students. The principal telescopes are 8-inch, 12½-inch, and 16-inch aperture Newtonian reflectors (the latter the largest in western Iowa), and a 5-inch aperture wide angle refractor. Smaller, portable telescopes are also available. In addition to educational programs, research on planets, satellites, and variable stars is undertaken at these facilities.

The Residence Halls —

West Hall — This dormitory was built in 1964 and houses 160 students.

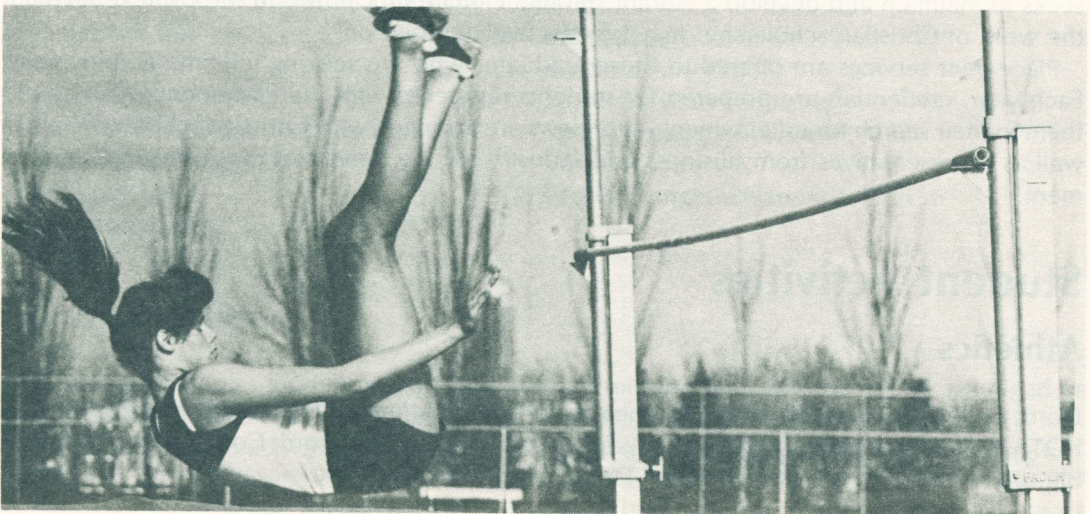
North Hall — This dorm serves as a men's dormitory equipped to accommodate 200.

East Hall — This dormitory was completed in 1970 to provide housing for 200 women.

East Campus Apartments — The apartment complex includes six buildings housing 276 students. Four apartment complexes each have eight three-bedroom apartments that are equipped to facilitate light housekeeping and two apartment complexes have eight three-bedroom apartments with no light housekeeping facilities. Each apartment complex is equipped with laundry facilities.

Agriculture Stewardship Center — The college owns 160 acres of farmland located two miles north of the college. Present facilities at the center include a free stall and tie stall barn, research barn, milking parlor, and replacement barn. The agriculture center maintains 150 acres as research plot acres for crop testing purposes. In addition, the college owns 120 acres of farmland located three miles north of the college with facilities for swine and cattle production and research.

NOTE: All of the buildings on campus are accessible to the handicapped.



ACADEMIC COMMUNITY

Christian Commitment

As a Christian institution, Dordt College aspires to be a community of faculty and students committed to the study and evaluation of the various branches of learning in the light of the Bible, God's infallible Word. The life of this community has both its academic and social aspects, and, in both of these aspects of life, all members of the Dordt College community seek to glorify the triune God.

In accordance with the Christian aim of Dordt College, students are expected to express the Christian faith positively in their general conduct and life style. It is not the purpose or intention of Dordt College to lay down minute regulations for the daily conduct of its students. By their applications for admission, students certify that they intend to live according to the Christian aims of the College. Though admission to Dordt College is the rightful privilege of its constituency, that privilege may be readily withdrawn should the student fail to maintain proper standards of conduct or scholarship.

Students are expected to attend church services twice each Sunday. Students who are not able to attend their home church must (at the time of registration) select one of the local churches as their church home.

Chapel exercises are held twice each week to provide opportunity for students and faculty to join in meditation upon the Word of God. All students are expected to attend chapel exercises regularly, not out of compulsion, but out of recognition of the need for spiritual refreshment and sharing. The chapel exercises play a vital role in the life of the College community.

Each school year begins with the College Retreat at Lake Okoboji. This is followed throughout the year by Bible study groups, lecture series, dormitory devotions, etc. Recognizing the importance of the spiritual aspect of student life, the College also provides pastoral counseling for each student. Members of the Student Personnel staff meet with and help students regarding questions and problems which may be troubling them. Thus, the College seeks to maintain and develop a vibrant spiritual climate on campus in the context of which the work of Christian scholarship may be effectively carried on.

Placement services are offered to those graduates who are seeking full-time employment. Each year, credentials are prepared for students registered with the Placement Office to aid them in their search for employment. Interviews are arranged with Christian school officials as well as representatives from business and industry for the benefit of those seeking employment.

Student Activities

Athletics

Dordt College is a member of the National Association of Inter-collegiate Athletics and the IO-KOTA Women's Athletic Conference. As a member of the NAIA, Dordt College teams are eligible for post-season tournament play. Dordt plays a full schedule of games with colleges in Iowa, Minnesota, South Dakota, and Nebraska. Intercollegiate competition for men is

scheduled in basketball, baseball, track, cross-country, golf, tennis, and soccer. Competition for women is scheduled in basketball, softball, volleyball, track, cross-country, tennis, and golf.

Intramurals

A year-round program of intramural sports gives all students an opportunity to take part in recreational activities, both competitive and non-competitive. The entire intramural program is planned and carried out by the student intramural council. Recreation is provided through such activities as: badminton, basketball, bowling, 100 Mile Club, softball, table tennis, volleyball, flag football, swimming, cycling, racquetball, soccer, golf, and floor hockey.

Club Sports

Students have also organized a number of sports' clubs which supplement this regular program, allowing for inter and intrascholastic competition. Among these club sports are:

- Hockey Club
- Outdoor-Recreation Club
- Table-Tennis Club
- Swimming Club
- Wrestling Club

Additional clubs may be organized as student interest demands. The Club Sports Program is under the supervision of the Student Activity Committee.

Clubs

A number of clubs are organized to provide outlets for students with special interests. All clubs must receive Student Activity Committee approval.

Agriculture Club	Political Science Club
Art Club	Pre-Seminary Club
Chess Club	Social Services Club
Future Business Executives Club	Special Education Club
Natural Science Club	Varsity Club
Phi Kappa Sigma	World Hunger Awareness Club
Photography Club	

Social Activities

The College schedules many social activities throughout the year. Students are encouraged to participate in campus activities as an important part of college life at Dordt.

In addition to club activities, athletics, and musical activities, a number of social events are planned by various groups. Students are encouraged to attend the Fine Arts Festivals, the col-

lege sponsored Travelogue Series, the Annual Music Festival, the Spring Banquets, and all other school activities organized by the student representatives.

Several dramatic productions are given each year. All students who wish to participate are urged to audition. Opportunity is also given to participate in other forensic activities.

Musical Activities

Vocal and instrumental groups are maintained at Dordt College to contribute to the social and cultural life of the individual and to offer opportunity for professional training and credit toward graduation.

Chorale

All new students, as well as upperclassmen, may audition for membership in the Chorale, an organization which studies representative chorale literature and performs several local concerts each year.

Concert Choir

Each year, the Concert Choir presents a number of local concerts and makes an extended tour during spring vacation. Membership in the choir is open by audition.

Concert Band

The Concert Band studies representative symphonic band literature and performs at athletic games and other student activities. Local concerts are performed and a tour is made periodically.

Ensembles

Ensembles and small groups are organized each year to study ensemble literature and adequate opportunity is provided for performance.

Orchestra

Students may audition for membership in the Orchestra at the beginning of the school year. The Orchestra performs local concerts each year.

College Publications

DORDT COLLEGE DIAMOND, the school newspaper, published bi-monthly by the students.
THE SIGNET, an annual student publication—issued in the summer.

THE CANNON, the creative literary publication in the arts.

THE DEFENDER, a booklet with information for students—distributed in the summer.

DORDT COLLEGE VOICE, the official college newsletter, presents articles and information of interest to students and the constituency.

DORDT COLLEGE CATALOG, an annual publication of academic announcements for students and society members.

PRO REGE, a quarterly publication of the Dordt College faculty.

SPECTRUM, the bi-annual Alumni Newsletter.

Student Services

Counseling

A Counseling Center has been established as a program of the Student Affairs Division to offer counseling service within the Dordt College community. These services are designed to promote and enhance responsible academic activity and meet the individual counseling needs of the community. The Counseling Center is staffed by trained personnel to assist students with their social, emotional, spiritual, and vocational needs.

The staff provides assistance for students searching for careers by helping them recognize their own resources and talents and by exploring with them the variety of careers available. The Center contains a resource reference area with a wide selection of career information.

In addition to individual counseling, the Counseling Center provides classes and workshops dealing with career development, college living, personal growth, and life enrichment.

Job Placement

Formal placement services are provided for all students graduating with either a four-year or two-year degree. Presently, there are two placement offices. The teacher placement is directed by the Associate Academic Dean and the non-teacher placement by the Director of the Counseling Center. The placement offices assist in arranging on and off campus interviews and maintain student placement records. The services available to the student include resume writing, job application procedures, interviewing skills information, and job vacancy listings.

Students who plan to use the placement services should notify the placement offices early in the first semester to complete a set of placement credentials.

Housing

On- and Off-Campus Housing

All unmarried students, with the exception of those who live at home or with relatives, are required to room in college approved housing. The college reserves the right to make housing adjustments when necessary. The charge for rooms per semester in private homes is the same as in college housing. This room rent is paid to the college, not to the home owner.

Rooms for incoming freshman and transfer students are reserved in advance upon receipt of a deposit of \$30.00. The deposit fee is applied to the first semester's rent and is refunded if the room reservation is cancelled before July 1. All students who register for the first time at Dordt must remit a \$25.00 wear and maintenance fee with their housing application. This fee will be refunded when the student terminates residence at Dordt College if no excessive wear has been sustained.

Rooms for returning upperclassmen are reserved in advance upon the receipt of \$30.00. This deposit will be applied to the first semester's rent and is a non-refundable deposit.

Housing Regulations

Rooms are furnished with necessary articles of furniture, such as beds, mattresses, desks, chairs, and dressers. Students provide their own blankets, bedspread, pillows, towels, and wash clothes. Weekly linen service, for those who request it, is provided at a nominal charge. The student, by applying for a room and paying a deposit, obligates himself to college housing for the entire year or for such portion of the year as he may attend Dordt College. Each room contract terminates at 10:00 AM following the last day of examinations.

The charges set by the College do not include the Christmas and spring vacation periods. During these vacations the dining hall and the residence halls will be closed. The College will help make arrangements for those who cannot go home or to a friend's home during these vacation periods.

Rooms of students on and off campus are open for College inspection at all times. The student is held responsible for any damage to his room or to its furnishings. Each residence hall is under the supervision of a Resident Director and Resident Assistants. Homeowners and College officials cooperate in supervising students in private homes. Students are responsible to the Resident Director or to the homeowner and they are expected to abide by all College determined housing regulations in addition to those listed in this catalog. For a more complete statement of rules regarding student housing and student conduct, see the **Defender**, (the student handbook) and the Residence Hall Handbook.

Meals

All students, except for married students and students who have been assigned to light housekeeping apartments, are required to take their meals at the college dining hall unless excused by the College. Cooking is not permitted in the college residence halls.



Admission to the College

Requirements

Graduates of approved high schools who have satisfactorily completed a minimum of fifteen units may be considered for admission to Dordt College. A subject pursued for one school year of thirty-six weeks with five recitation periods a week counts as one unit.

Of the fifteen units, at least eight must be from the fields of social science, English, foreign languages, natural science, or mathematics.

Although the exact sequence of courses for admission is not prescribed, high school students should try to complete, as a minimum, the following units:

- 3 or 4 years of English
- 2 years of social sciences
- 2 years of mathematics
- 2 years of a foreign language
- 2 years of a natural science

Non-Discrimination Policy

Dordt College admits students of any race, color, national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. Dordt does not discriminate on the basis of sex, race, color, national or ethnic origin, age, or handicap in administration of its educational and admissions policies, scholarship and loan programs, athletic, and other school administered programs.

Application

Application for admission should be made well in advance of the semester a student wishes to enter Dordt College. To make a formal application for admission, candidates should write to the Director of Admissions requesting application blanks.

Students will be considered for admission after they have submitted the following official forms:

1. Personal Application Form
2. Transcript of high school record

All students seeking admission to the college must pay a matriculation fee of \$10.00. This fee must accompany the Personal Application.

Entrance Test

All applicants for admission to the freshman class are required to take the ACT test of the American College Testing Program. Information concerning dates and testing centers for the ACT tests can be obtained from high school counselors. Students who do not take the ACT test prior to coming to Dordt College will be required to take the ACT test at Dordt College. A fee will be charged for this testing.

Notification of Admission

As soon as all application forms have been received they will be evaluated by the Director of Admissions. Admission will be granted as follows:

General Admission — Students whose records indicate that they are able to pursue college work are granted general admission.

Admission on Probation — Students whose records indicate that they might have serious difficulty pursuing college work are admitted on probation.

Transfer Admissions

Students who have attended another institution of collegiate rank may be considered for admission with advanced standing. College credits presented by transfer students will be evaluated in terms of the quality of the student's work and the relationship of the subject matter to the Dordt curriculum. A maximum of sixty-four semester hours of academic credit is granted to graduates of junior colleges.

Transfer candidates will be required to file the following credentials with the Associate Academic Dean:

1. Personal Application Form.
2. Transcript of high school record.
3. Official college transcripts. Transfer candidates must have the Registrar at each collegiate institution attended forward an official transcript. Transcripts submitted by the candidate are not acceptable.
4. Test results. Transfer students should have ACT test results forwarded to Dordt.

After the application materials have been evaluated, the student will receive notification of the action taken. If the student is accepted, he will receive a statement concerning the amount of credit accepted and the academic status assigned.

Admission to advanced standing does not excuse the student from meeting the specified requirements for graduation from Dordt College.

Special Students

Students who do not plan to follow a prescribed course of study may register as special students for such courses as they are able to pursue with profit on the basis of previous qualifications. Students who pursue part-time programs are also classified as special students.

Permission to register as a special student must be obtained from the Associate Academic Dean.

Admission of Foreign Students

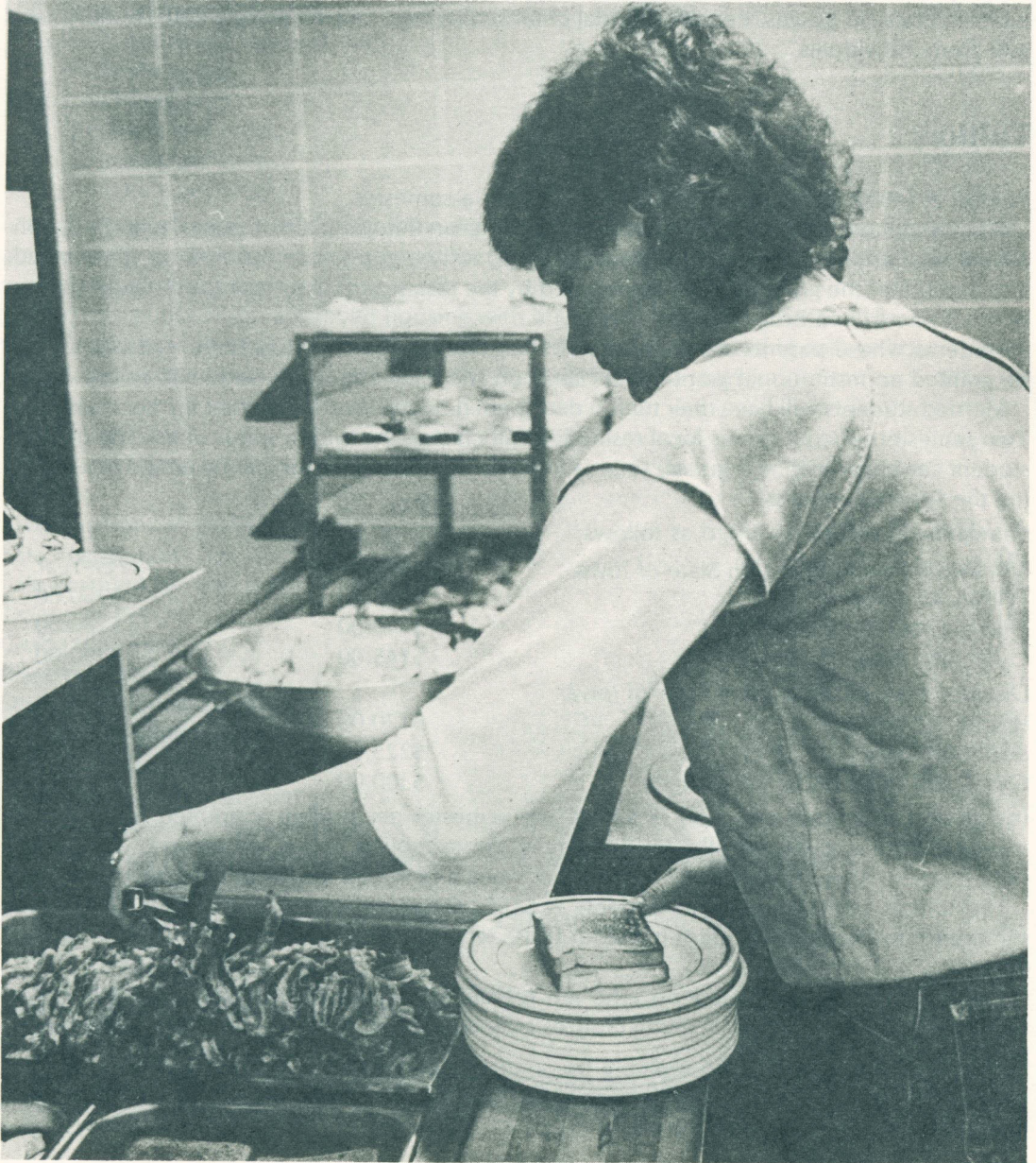
Dordt College has been approved as an institution of higher education for the training of immigrant students who are in the United States on student visa.

With the letter of admission, the College will send Form I-20A-B which should be taken to the American Consul in the student's area to arrange for passport and visa. This is not required for Canadian students.

Registration

Formal registration takes place at the beginning of each semester. Students will be sent registration instructions and appointments several weeks prior to the registration dates.

Registration is not completed until tuition and fees have been paid. Registration is considered late and the late registration fee is charged if not completed before the beginning of classes for the semester.



EXPENSES AND FINANCIAL AID

Expenses

The cost of attending Dordt College is kept as reasonable as possible. Students pay in tuition only a part of the cost of their education. Each student receives the benefit of finances obtained from classical quotas, denominational church offerings, church society contributions, and gifts from individuals.

Tuition

Tuition is \$4650.00 for the year and \$2325.00 for a semester.

Students whose parents are members of the Christian Reformed Church and, who thus, contribute regularly to the support of Dordt College, will be granted an institutional grant-in-aid. The amount of the grant-in-aid is determined by the distance of the mailing address of the student's home from Dordt College.

Students whose parents are members of a supporting non-Christian Reformed church will be granted an institutional grant-in-aid based on the local zone rate (within 20 miles).

Married students will have their tuition determined by the location of their former residence. Two semesters of continuous local residence will change the tuition status unless the married student can show that he regularly returns to his former residence for gainful employment during the summer months.

Grants-in-aid will be awarded as follows:

<i>Distance from Dordt within State of Iowa</i>	<i>Per Semester</i>	<i>Per Year</i>
Within 20 miles	\$125.00	\$250.00
From 21 to 100 miles	\$140.00	\$280.00
Over 100 miles	\$145.00	\$290.00
<i>Distance from Dordt outside State of Iowa</i>		
Within 300 miles	\$170.00	\$340.00
301-1000 miles	\$225.00	\$450.00
Over 1000 miles and all of Canada	\$300.00	\$600.00

In addition, a special reduction of \$20.00 per semester per student is granted when two or more full-time students enroll from one family. An exception to this reduction is when a student marries. After marriage, the student becomes a new and independent family.

The tuition rate for part-time students is \$195.00 per semester hour, with a \$10.00 per semester hour institutional grant-in-aid for those who are members of the Christian Reformed Church.

The tuition for evening students who are registered for one or two courses (1-7 hours) is \$115.00 per semester hour. Evening courses may be audited for a fee of \$57.50 per semester hour.

The tuition for summer graduate courses is \$115.00 per semester hour.

Room and Board

	<i>Per Semester</i>	<i>Per Year</i>
*Dormitory Room	\$340.00	\$680.00
Dormitory linen laundry (optional)	13.00	26.00
Dormitory telephone charge	6.00	12.00
*Residence Halls	340.00	680.00
Residence Halls linen laundry	13.00	26.00
*College Approved Housing	340.00	680.00
**College Approved Housing with Housekeeping	385.00	770.00
Board-Dining Hall		
21 meals per week	505.00	1010.00
15 meals per week	495.00	990.00
10 meals per week	445.00	890.00

*Students in all private or college housing will pay \$355.00 for their room the first semester and \$325.00 for the second semester. Students entering college housing the second semester will pay \$340.00 for their room.

**Students in all college approved housing with housekeeping will pay \$400.00 for their room the first semester and \$370.00 for the second semester. Students entering college housing with housekeeping the second semester will pay \$385.00 for their room.

Fees

Matriculation Fee (payable once)	\$10.00
Late Registration	10.00
Late Payment Fee (per week)	2.00
Transcript Fee	1.00
Graduation Fee	10.00
Placement Fee	10.00
Student Teaching (per hour)	9.00
Vehicle Registration Fee	5.00
Music Fees—	
Individual lessons per semester	100.00
Group lessons per semester	55.00
(There is no refund on music lesson fees after the second week of classes.)	
Art Fees—	
For the following classes: Art 216-220, 228, 230, 316-320, 328, 330	15.00

Student Medical Insurance

A hospital-medical-insurance policy is available to all full-time students. Participation in this program is on a voluntary basis. The cost of the policy for singles is \$63.00 for the twelve month period from August 20 to August 20. Plans are also available for married couples and families. The fee is payable at the time of registration for the first semester.

Payment of Accounts

Charges for tuition, fees, room and board are due and payable at the beginning of each semester at the time of registration. Those who are unable to make full payment at that time may pay one-half at the time of registration and pay the balance due six weeks after registration. The exact dates will be designated by the Business Office at the beginning of each semester.

All financial accounts must be paid in full before transcripts will be released.

Refunds

Refunds will be made by the Business Office only upon receipt of a request for refund approved by the Registrar. Refunds will be based on the date on which the Registrar signs the refunds request and will be made as follows:

Tuition

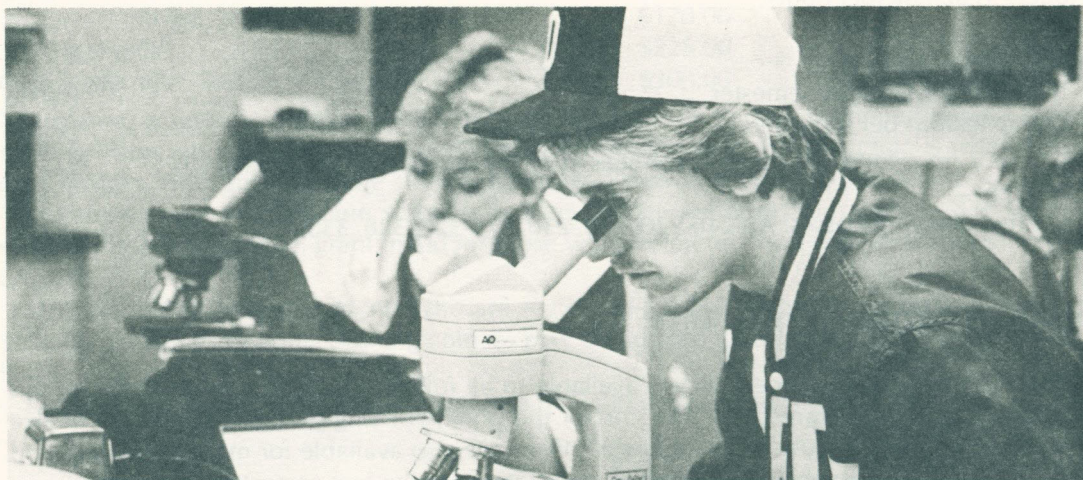
Withdrawal during the first week	90%
Withdrawal during the second week	70%
Withdrawal during the third week	60%
Withdrawal during the fourth week	50%
Withdrawal during the fifth week	40%
Withdrawal during the sixth week	30%
Withdrawal during the seventh week	20%
Withdrawal during the eighth week	10%
After eighth week	No refund

Fees

No refund is made on fees.

Room and Board

Room and board fees will be refunded on a pro rata basis.



Financial Aid

In addition to the extensive scholarship program, which is based on superior academic potential and performance, Dordt College has a complete program of financial assistance for all needy students. Types of financial assistance available include the grant-in-aid program, loan programs, the College Work-Study program, the Pell Grant program, the Supplemental Educational Opportunity Grant program, and other special programs outlined below.

Limited finances need not prevent promising students from coming to Dordt College. Generally, qualified students' needs can be met through a Financial Aid Award which includes several types of aid. Any student who wishes to apply for financial assistance may do so by writing to the Director of Financial Aid after he has been accepted for admission to the college.

All United States citizens who wish to apply for financial aid must submit the College Scholarship Service "Financial Aid Form" (FAF) or the American College Testing "Family Financial Statement" (FFS), and the green "Application for Financial Aid" from Dordt College. All Canadian citizens who wish to apply for financial aid must submit the "Canadian Application for Financial Aid" from Dordt College. All necessary forms may be obtained by writing to the Director of Financial Aid, Dordt College.

GRANTS

Pell Grants

The Pell Grant Program was authorized by the Education Amendments of 1972. This program provides for the payment of Pell Grant awards to students attending eligible institutions of higher education. The maximum grant eligibility for each student is presently \$1,900.00. The application forms may be obtained from the high school or the college Financial Aid Office. This program is available to students who are citizens of the United States.

Supplemental Educational Opportunity Grants

The purpose of this program is to provide non-repayable grants to students who, because of exceptional financial need on the part of their family, would be unable to attend college without such assistance.

Any student who is a citizen of the United States and has been admitted to Dordt College on a full-time basis is eligible to apply for such a grant. Grants will range from \$200.00 to \$2000.00 per year. This grant is renewable each year up to four years as long as the student continues to make satisfactory progress and his financial situation does not change.

Dordt College Grants

These grants are provided by the college to all students, regardless of citizenship, who have financial need which cannot be met with other grant programs.

LOANS

National Direct Student Loans

This program provides long term loans to students in good standing who have been accepted for enrollment in a full-time course of study and are citizens of the United States.

Students are eligible to borrow a cumulative amount of \$3000.00 for the first two years and \$6000.00 for the bachelor degree. No interest is charged while the student is in college. The loan may be repaid over a period of 10 years with a minimum repayment of \$30.00 per month required. Interest is at the rate of 5% per year.

Repayment may be deferred while a borrower is serving in the Armed Forces, with the Peace Corps, or VISTA. Repayment is also deferred for as long as a borrower is enrolled at an institution of higher education and is carrying at least a half-time academic work load.

The primary and most essential condition of an applicant's eligibility for a National Direct Student Loan is that he is in need of the requested loan to pursue his course of study during the period for which the application is made.

Dordt College Loans

These loans are provided by the college to all students with need, regardless of citizenship. No interest is charged while the student is enrolled as a full-time student at Dordt College or at another recognized college or university. Interest and principal payments will begin six months after the last month of attendance at Dordt or at another recognized college or university with a maximum deferment of five years allowed for attendance at another institution. Interest rates on funds borrowed will vary according to the number of years of study completed at Dordt. For a student who has completed four years of study the interest will be three percent, for a student who has completed three years of study the interest will be four percent, for a student who has completed two years of study the interest will be five percent and for a student who has completed one year of study the interest will be seven percent. All loans must be repaid within ten years from the time of the last month of attendance as described above. Minimum payments will be \$50.00 per month and will be payable to the Business Office at Dordt College.

Guaranteed Student Loans

Many states participate in the Guaranteed Student Loan Program which was created under the provisions of the Higher Education Act of 1965 to provide financial assistance for students from middle or upper income families. This program is designed to assist the student who cannot qualify for other types of financial aid, as well as to supplement other aid programs.

An undergraduate who is a United States citizen may borrow up to \$2500.00 per year at 8% interest with a total limit of \$12,500.00. Students who qualify may receive interest-free loans which start bearing interest six months after his course of study has ceased.

Repayment also begins six months after the student has ceased his course of study. The normal repayment period is five to ten years with a minimum repayment of \$30.00 per month.

Some states elect not to participate in the federal program since they have their own Guaranteed Student Loan Programs. Residents of these states should contact their state's Higher Education Commission for the proper forms and instructions needed to apply for a guaranteed loan.

Guaranteed loans are made through the student's hometown bank or savings and loan association and must be approved by the college. All repayments are arranged with and made directly to the lending bank. If a student has difficulty obtaining this loan through a local institution, he should contact the Financial Aid Office at the college for assistance in processing this loan through a bank associated with the college.



Canada Student Loans

The provincial governments have loan programs which may be used by Dordt students. Information and application forms may be secured by writing to the Department of Education of the province listed below:

ALBERTA

Students Finance Board
Department of Advanced Education
10th Floor, Baker Centre
10025 - 106 Street
Edmonton, Alberta
T5J 1G7
Tel. (403) 427-2740

BRITISH COLUMBIA

Student Services Branch
Ministry of Education
Science and Technology
3rd Floor, Douglas Building
617 Government Street
Victoria, British Columbia
V8V 4W6
Tel. (604) 387-4611

MANITOBA

Student Aid Branch
Department of Education
P.O. Box 6
693 Taylor Avenue
Winnipeg, Manitoba
R3M 3T9
Tel. (204) 944-6319

NEW BRUNSWICK

Student Aid Division
Department of Youth and Recreation
P.O. Box 6000
Fredericton, New Brunswick
E3B 5H1
Tel. (506) 453-2577

NEWFOUNDLAND

Student Aid Division
Department of Education
Confederation Building
P.O. Box 2017
St. John's, Newfoundland
A1C 5R9
Tel. (709) 737-2688

NORTHWEST TERRITORIES

Finance and Planning
Department of Education
Government of the Northwest Territories
Laing Bldg.
Yellowknife, Northwest Territories
X1A 2L9
Tel. (403) 873-7426

NOVA SCOTIA

Student Aid Office
Department of Education
P.O. Box 578
Halifax, Nova Scotia
B3J 2S9
Tel. (902) 424-7737

ONTARIO

Student Awards Branch
Ministry of Education - Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario
M7A 2B4
Tel. (416) 965-5241

SASKATCHEWAN

Student Services Branch
Department of Continuing Education
1855 Victoria Avenue
Regina, Saskatchewan
S4P 3V5
Tel. (306) 565-5621

PRINCE EDWARD ISLAND

Student Aid Division
Department of Education
P.O. Box 2000
Charlottetown
Prince Edward Island
C1A 7N8
Tel. (902) 892-3504

QUEBEC

Student Aid Service
Student Aid Service
Department of Education
Government of the province of Quebec
Quebec City, Quebec
G1A 1H2
Tel. (418) 643-3750

YUKON TERRITORY

The Students Financial Assistance Committee
Department of Education
Government of the Yukon
Box 2703
Whitehorse, Yukon Territory
Y1A 2C6
Tel. (403) 667-5141

STUDENT EMPLOYMENT

College Work Study Program

Under Title I-C of the Economic Opportunity Act of 1964, Dordt College participates in the Work-Study Program which creates part-time job opportunities for students from low income families. These jobs range from five to fifteen hours per week.

Students qualify for participation in the Work-Study Program if they are:

- a United States citizen.
- in need of financial aid as shown by the "Financial Aid Form" or the "Family Financial Statement."
- capable of doing good academic work in college.
- able to meet job qualifications.
- accepted for admission as a full-time student in good standing.

Students with required skills and experiences may qualify for jobs in the following fields: clerical assistant, library assistant, typist, custodial work, instructional assistant, kitchen help, agricultural help, and several off-campus positions. Application forms for work must be completed at the time of registration.

Work for Institution Program

The college provides employment for students who may not qualify for the federal work-study program and yet need employment to assist them to pay for college expenses. Application forms must be completed at the time of registration.

SPECIAL PROGRAMS

Dordt Canadian Exchange Rate Program

Exchange rate assistance is given to needy students based on the "Canadian Application for Financial Aid." The amount of assistance is determined by the exchange rate on the Canadian dollar.

Veterans' Education Benefits

Dordt College is approved to offer education to students who are eligible for benefits under the terms of the Veterans' Readjustment Act (Public Law 90-77) or under the War Orphans Bill (Public Law 634). Eligible students should write to their regional Veterans' Administration Office to obtain the application information.

Social Security Benefits

For information on Social Security benefits, the student should visit his local Social Security office.

Vocational Rehabilitation Benefits

Students who, by reason of physical disabilities, are eligible for benefits under vocational rehabilitation programs should write to the Division of Rehabilitation Education and Service in their state.

State of Iowa Scholarship Program

The 1965 session of the Iowa Legislature established a state scholarship program for the benefit of Iowa residents attending colleges within the state. These scholarships are based on the financial need and the academic ability of the student and may be used only for tuition and mandatory fees. Application forms and information regarding eligibility for the program are available from Iowa high school counselors.

State of Iowa Tuition Grant Program

The 1969 session of the Iowa Legislature established a state tuition grant program for the benefit of Iowa residents attending private colleges within the state. These grants are based on financial need and may be used only for tuition and mandatory fees. Application forms and information regarding the program are available from Iowa high school counselors.

Iowa Science and Mathematics Grant Program

The 1983 General Assembly of the Iowa Legislature established this program to encourage greater emphasis on the study of mathematics and the sciences. These grants are awarded to high school graduates who have completed a specified number of units of science and mathematics. Financial need is not a criterion. Application forms and information regarding the program are available from Iowa high school counselors.

Iowa Guaranteed Loan Payment Program

The 1983 General Assembly of the Iowa Legislature established this program to encourage greater emphasis on the study of mathematics and the sciences. This program will assist newly certified mathematics and science teachers in repaying their Iowa Guaranteed Student Loans. Any teacher who graduated from college after January 1, 1983, with a major in mathematics or science and who is employed in an Iowa public or approved non-public school as a teacher of a sequential mathematics course at the advanced algebra level or higher, a chemistry or advanced chemistry course, or a physics or advanced physics course is eligible to apply. Application forms may be obtained from the Iowa College Aid Commission, 201 Jewett Building, Ninth and Grand, Des Moines, Iowa 50309.

Scholarship and Loan Programs – Other States

Several states have scholarships or loan programs which may be used at Dordt College. Information on such programs may be obtained from high school counselors.

Scholarships and Grants

All scholarships are awarded for one year to full-time students. One-half of the amount will be paid each semester.

Recipients of scholarships are expected to conduct themselves in harmony with the standards and ideals of Dordt College. They are also expected to maintain a cumulative grade point average of 2.00 or better. Failure to meet these standards will constitute grounds for immediate cancellation of awards.

No Dordt College full-tuition scholarship or grant will be given concurrently with another scholarship or grant awarded by the college.

Dordt College Academic Scholarships

In an effort to reward students for superior academic achievement, Dordt College grants general scholarships to all students based on their grade point average. These scholarships are automatic; no application is necessary. All award winners will be notified by the Director of Admissions.

Freshman Academic Scholarships

Each year Dordt College grants a number of academic scholarships to full-time incoming freshmen based on their academic ability. The regulations for these scholarships are:

1. Graduates of approved Christian and public high schools may qualify for general freshman scholarships.
2. Scholarship applicants must:
 - meet entrance requirements as listed in the Dordt College Catalog.
 - have at least a "B" average in high school work.
 - submit the results of the ACT test.
3. The size of the scholarship will be determined on the basis of test scores and high school grade point averages from grades 9-12 as follows:

ACT Composite 90-99%

3.90-4.00	\$300.00
3.75-3.89	\$250.00
3.50-3.74	\$200.00
3.25-3.49	\$150.00

ACT Composite 80-89%

3.90-4.00	\$225.00
3.75-3.89	\$175.00
3.50-3.74	\$150.00
3.25-3.49	\$100.00

ACT Composite 65-79%

3.90-4.00	\$125.00
3.75-3.89	\$100.00
3.50-3.74	\$ 75.00

Upperclass Academic Scholarships

Dordt College grants academic scholarships to full-time sophomores, juniors, and seniors whose college grade point average indicates superior scholarship. The regulations for these scholarships are:

1. Students who have completed college work at Dordt or at another accredited college may qualify for the general scholarship as follows:

28 semester hours	sophomore scholarship
58 semester hours	junior scholarship
88 semester hours	senior scholarship
2. Scholarship applicants must pursue an approved course of study leading to a degree.
3. Scholarships will be granted to all on the basis of cumulative grade point average as follows:

3.90-4.00	\$250.00
3.75-3.89	\$200.00
3.50-3.74	\$150.00

Freshman Scholarship Directory

Deserving freshmen may find they can qualify for some of the special scholarships listed below. For information on the application procedures for any of these scholarships, please write to Office of Scholarships and Grants, Dordt College, Sioux Center, Iowa 51250. Please note individual deadline dates.

J.B. Hulst Teacher Education Scholarship

An annual scholarship of \$1,000.00 shall be awarded to an incoming freshman who intends and desires to be a teacher in a Christian school. A cumulative grade point average of 3.00 or above is required. All application forms, including references, must be submitted no later than April 15.

Foreign Missionary Scholarships

Children of all current foreign missionaries will be awarded a tuition-free scholarship at Dordt College for the freshman year only.

Music Grants

Each year a number of vocal and instrumental music grants for freshmen are available in the form of one to three semesters of private study. Students are selected on the basis of information submitted on the Music Grant Application, recommendations from the applicant's instructor of voice or instrument and from his high school music teacher. A tape recording of a performance of a work which shows the level of competence of the applicant is also required. All materials must be submitted by April 26.

Presidential Grants for Future Leaders

Each year the college will award several presidential grants to students with superior academic ability and leadership potential. Selection will be based on leadership in past school, church and community activities. The applicant must rank in the top ten percent of his class. The Presidential Grant will range from ten to twenty-five percent of the current tuition cost. The application deadline is March 15.

Martin Seven Communication Scholarships for Freshmen

In order to encourage students to enter the field of communication, two \$150.00 scholarships will be awarded to incoming freshmen who intend to pursue communication as a career. A taped speech will be required as part of the application procedure. All materials must be submitted by March 15.

Dordt College Tuition Scholarships

Dordt College offers a full tuition scholarship for the freshman year to each high school graduate who wins a National Merit Scholarship Corporation Certificate of Merit. The student must present a copy of the certificate as application for the scholarship by May 1. Winners of Letters of Commendation are not eligible.

Jack Visscher Memorial Scholarship for Freshmen

A scholarship of \$500.00 will be awarded to an incoming freshman with leadership potential who ranks in the top ten percent of his high school class. Recommendations, transcripts, and written summaries must be received by March 1.

A.G. Wassenaar Agriculture Scholarship for Freshmen

In order to encourage and assist a student majoring in agriculture to prepare for a career with a relief agency seeking to alleviate poverty, hunger and human suffering, a \$500.00 scholarship will be awarded. The applicant should intend to pursue a career in international agricultural development. The application deadline is October 1.

West Michigan Alumni Scholarship

This scholarship will assist students from the Michigan area who are committing themselves to an education at Dordt College. The applicants must be from the Michigan area and show above average academic potential with a minimum grade point average of 3.25. Application should be made prior to June 1.

Upperclassmen Scholarship Directory

Sophomores, juniors, and seniors who are students at Dordt College are encouraged to apply for the scholarships listed below. For information on the application procedures for any of these scholarships, please write to Office of Scholarships and Grants, Dordt College, Sioux Center, Iowa 51250 or contact the Coordinator of Scholarships and Grants in the Financial Aid Office.

The Alumni Scholarship

The Alumni Scholarship is awarded to a second semester junior at Dordt College by the Alumni Board on behalf of the Dordt Alumni Association. Students in any area of study at Dordt with a 3.25 grade point average or higher are eligible for this award. Some of the criteria for this scholarship are attitude, involvement, and perspective. Application materials should be submitted no later than February 20.

AuSable Institute Fellowship and Grant-in-Aid

The AuSable Institute of Environmental Studies will award at least one fellowship (\$1,000) and one grant-in-aid (\$300) to qualified Dordt students for the institute's summer sessions. Applicants for the fellowship must have completed the sophomore year with one academic year in the natural sciences. Applicants must show superior academic ability and distinct interest in environmental studies and stewardship. Fellowship recipients are required to take one course and a practicum during either summer session. The AuSable Scholarships are open to students who have completed the freshman year and show financial need. Applications are due November 15, and awards will be made by March 1.

John Bonnema Scholarship for Business Administration Students

The John Bonnema Scholarship is awarded to a business administration major selected by the department for academic achievement and application of Christian principles. The application deadline is February 10.

The Henry De Groot Business Administration Scholarship

The Henry De Groot Scholarship will be awarded annually to an outstanding business administration or accounting student. The award is based on evidence of scholarship, Christian commitment and an interest in service through the administration of a not-for-profit organization, teaching of accounting, professional accounting, public relations, or advertising. Forms should be completed by February 10.

Dutch Immigrant Society Scholarships

Two scholarships will be awarded to students who intend to study in the Netherlands through the Dordt College Netherlands Program. Recipients will be selected based on financial need, academic ability and commitment to International Education. The deadline for application is November 15.

Dahm Memorial Music Scholarships

Three scholarships of \$125.00 each are awarded annually to a sophomore, junior and senior. Recipients are selected by the Music Department based on music scholarship and contribution to the music program at Dordt. These scholarships are awarded in the memory of the late Joe J. Dahm of Pella, Iowa. The application form should be completed by April 1.

The Minnie Julia Dahm Scholarship for Pre-Medical Students

This \$300.00 scholarship is awarded every year to a pre-medical student selected by the Academic Policies Committee. All Pre-Medical students are eligible to apply, but preference must be given to applications from students who will be entering their junior year at Dordt. Criteria for being selected include noteworthy academic performance (a minimum grade point average of 3.00) and demonstration of understanding and application of Christian principles. Completed applications should be submitted by April 4.

The Minnie Julia Dahm Scholarship for Medical Technology Students

This is a yearly scholarship for medical technology students at Dordt College. The yearly award is \$300.00. All Medical Technology students are eligible to apply, but preference must be given to applications from students who will be entering their junior year at Dordt. Recipients are selected by the Academic Policies Committee. Criteria for being selected include noteworthy academic performance (a minimum grade point average of 3.00) and demonstration of understanding and application of Christian principles. Completed applications should be submitted by April 4.

The R.J. Dykstra Scholarship for Business Administration Students

The R.J. Dykstra Scholarship is awarded to a full-time junior or senior student at Dordt College. This \$300.00 yearly scholarship is awarded to a business administration major. Criteria for this award are commitment, communication, and academic performance. Application deadline is February 10.

The Foreign Candy Company Study Abroad Scholarships

Several scholarships will be awarded to help academically qualified students to study in a foreign country. Recipients will be selected based on financial need, academic ability and commitment to International Education. The deadline for application is November 15.

The Vera W. Mayer Scholarships

Through the Iowa College Foundation several scholarships are available each year to undergraduates based on academic achievement and financial need. Recipients are chosen by a selection committee and no application is necessary.

Ringerwale Organ Scholarship

The winner of this annual scholarship receives two semesters of organ lessons at Dordt College. Competition for the scholarship is held in late April. Each competitor must play a selected list of works for a jury examination committee which selects the winner. Application materials must be submitted by April 1.

Martin Seven Classical Language Award

In an effort to spur excellence in the study of Greek and Latin, a \$300.00 award will be granted to a person studying in these areas. Submit application by April 10.

Martin Seven English Awards

Several awards will be made to students based on creative writings. The application form along with the sample writings are due by March 15.

Martin Seven Physical Education Award

An award of \$300.00 will be awarded to the outstanding physical education major. March 15 is the deadline date for the application.

Martin Seven Communication Scholarship

A \$300.00 scholarship is awarded to a deserving sophomore, junior, or senior who is majoring in communication. Selection will be based on grade point average and involvement in additional activities. Materials for application must be submitted by March 15.

Special Effort Scholarship for Business Students

This scholarship is awarded to a business administration or accounting major after the second semester of their freshman year to be applied to their sophomore year. The purpose of the scholarship shall be to reward those students who do scholastic work above the level that would ordinarily be expected of them. Applications are required by May 1.

Dordt College Study Abroad Scholarship

The Dordt College Study Abroad Scholarships are available for worthy students who have been accepted for Dordt's Study Abroad Program in The Netherlands, Germany and Mexico. Recipients will be selected by members of the Department of Foreign Language. Deadlines for application are November 15 for The Netherlands and Germany Program, and May 1 for the Mexico Program.

The Nick R. Van Til Philosophy Scholarship

The Nick R. Van Til Scholarship of \$500.00 is awarded annually to a senior philosophy major. The candidate must be a full-time student at Dordt College during his year of tenure. Recipients are selected on the basis of grade point average, breadth of general interest, competence, academic potential, life goals, and possibly financial need. In general, a student must have a minimum grade point average of 3.30 to qualify. Candidates should make application no later than May 1 of their junior year. The application must include a written statement outlining areas of interest and career goals.

Jack Visscher Memorial Scholarship for Business and Economics

To encourage and financially assist a promising business and economics student, a \$500.00 scholarship will be awarded to a deserving junior or senior. A minimum grade point average of 3.00 is required. Consideration will be given to the student's Christian and academic leadership abilities and financial need. The application must be in by November 15.

A.G. Wassenaar Scholarships for Upperclassmen

These scholarships seek to encourage and assist students in agriculture to prepare for a career with relief agencies working to alleviate poverty, hunger and human suffering. This award is given to individuals in an effort to promote agricultural development in countries other than the United States and Canada. Three upperclass scholarships will be awarded: \$1000.00 sophomore, \$1500.00 junior and \$2000.00 senior. Applicants will be evaluated on the basis of academic performance, references, Christian character, vocational interests, and need. Application deadline is April 15.

THE ACADEMIC PROGRAM

Graduation Requirements

The programs of study presented on the following pages specifically note the current requirements for graduation. Each student is urged to take this into account in planning his course of study. Engineering majors may request the Bachelor of Science in Engineering degree as an alternative to the Bachelor of Arts degree when applying for graduation.

Bachelor of Arts Degree

Courses

A minimum of 40 courses is required for graduation.

Grade Average

A grade point average of 2.00 or better is required for graduation.

Residence

To graduate, a student must present a minimum of ten courses earned at Dordt College. If only the minimum number of Dordt courses is presented, they must be earned in full-time residence during the final academic year.

Students, who have completed a minimum of thirty courses at Dordt College, may request special permission to complete up to ten of their final courses at another college. Those who have completed a minimum of twenty courses at Dordt College may request special permission to complete up to five of their final courses at another college.

Distribution Requirements

1. **General Education** (Proficiency Requirements and 14 courses)

Proficiency Requirements

- a. General Studies 10 - Introduction to College
- b. Physical Education

Each student must complete Physical Education 10 and two semesters of physical education activities courses

- c. Computer Science Proficiency

Computer science proficiency may be demonstrated by one of the following:

- 1) Passing a computer literacy test administered by the Academic Skills Center. Learning modules are available to prepare students for the test.
- 2) Taking any computer science course at Dordt College. If a college course is taken to meet the requirement, it may be applied toward meeting the 40 course graduation requirement.

- d. Mathematics Proficiency

Mathematics proficiency may be demonstrated by one of the following:

- 1) A percentile ranking of 70 or higher on the mathematics section of the ACT test.
- 2) Passing a comprehensive mathematics skills test.
- 3) Completion of any mathematics course at the college level. If a college course is taken to meet the requirement, it may be applied toward meeting the 40 course graduation requirement.

General Education Course Requirements*Language-Literature Division (4 courses)*

English 101	1
English 200	1
Communication 110	1
Language 201	1

The language requirement may be met by taking a Foreign Language 201 course or Linguistics 201. Greek 301 also fulfills the requirement.

Prerequisites for the above courses:

- a. Two semesters of college foreign language study or its equivalent. One year of high school foreign language is equal to one semester of college foreign language.
- b. For Foreign Language 201, the prerequisite must be in the same language. For Linguistics 201, the prerequisite courses may be in different languages.

Arts Division (1 course)

General Education 200	1
-----------------------------	---

Students choose from a variety of sub-courses in art, drama, and music topics which are of interest to them.

Natural Science Division (2 courses)

Biology 101 or 102	1
Physical Science 107 or 201	1

The courses especially designed for this requirement are Biology 101 or 102 and Physical Science 107 or 201. For students who have had a good high school background in the sciences or who are in science programs or majors, there are options from one of the following sequences:

- | | |
|----------------------------|--------------------------|
| a. Agriculture 101 and 102 | e. Chemistry 103 and 104 |
| b. Biology 115 and 122 | f. Physics 115 and 116 |
| c. Astronomy 121 and 122 | g. Physics 125 and 126 |
| d. Chemistry 101 and 102 | |

If a student begins one of the physical science sequences, but does not choose to complete that sequence, the student must complete the science requirement by taking Biology 101 or 102. Similarly, if a student begins one of the life science sequences, but does not complete it, the student must take Physical Science 107 or 201.

Social Science Division (2 courses)

Elective from Psychology 201 or Sociology 201	1
Elective from Economics 200, 201, Political Science 201 or Business Administration 101 ..	1

Perspectives Division (4 courses)

Theology 101	1
History 100	1
Philosophy 201	1
Elective	1

One course from History 200, Theology 201 or 204, Philosophy 330 or 350

*General Studies 300 (1 course)***2. Major and Cognate Courses (10-30 courses)**

A.B. General	10-30
--------------------	-------

As listed for each department in the "Course of Instruction" section of the catalog.

A.B. <i>Secondary Education</i>	10-22
Requirements for a Teaching Major leading to certification and endorsement to teach in a major field are listed for each department in the "Course of Instruction" section of the catalog.	
Note: Students who wish to be endorsed to teach in an additional subject area may elect to take a Teaching Minor in another department. Requirements for such minors are also listed in the "Course of Instruction" section of the catalog.	
A.B. <i>Elementary Education</i>	15
Requirements for the elementary teaching major leading to certification and endorsement may be found in the Teacher Education Program section on pages 46-50 of the catalog.	
NOTE: A MAXIMUM OF TWO COURSES IN THE MAJOR FIELD MAY ALSO BE USED TO MEET GENERAL EDUCATION COURSE REQUIREMENTS—THE NUMBER OF COURSES REQUIRED IN THE ELECTIVE/PROFESSIONAL CATEGORY WILL BE INCREASED BY THE NUMBER OF "OVER-LAP" COURSES.	
3. Elective/Professional	0-18
A.B. <i>General</i>	
1. General Minors	5-7
2. Electives	0-18
A.B. <i>Elementary Education</i>	
1. Teaching Minors	6-8
As listed on pages 72-73 of the catalog.	
2. Electives	5-7
A.B. <i>Secondary Education</i>	
1. Professional	8
Professional requirements for secondary education are listed on pages 46-48 of the catalog.	
2. Electives	5-10

Associate of Arts Degree (Two Year Program)

Courses

A minimum of 20 courses is required for graduation.

Grade Average

A grade point average of 2.00 or better is required for graduation.

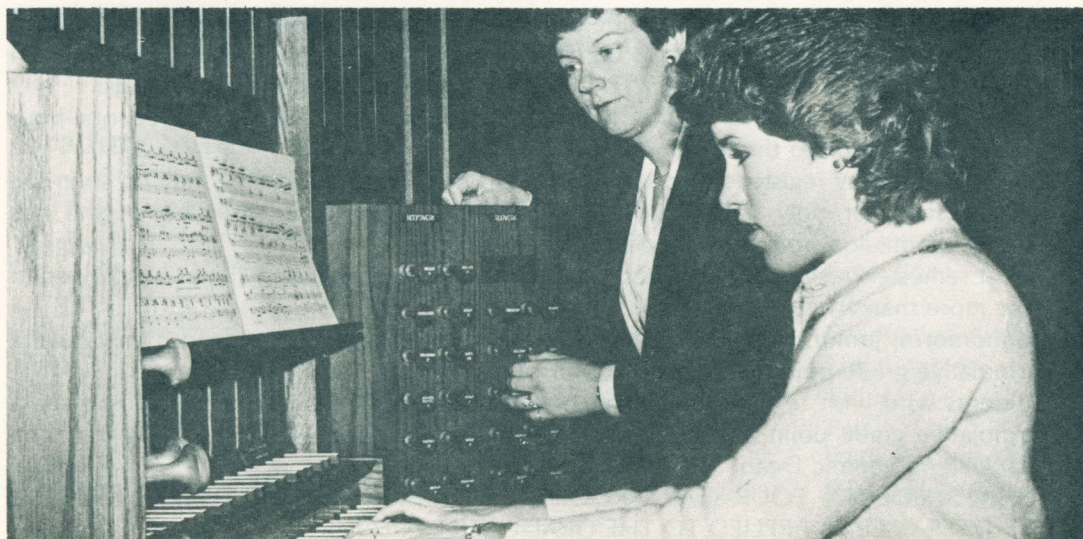
Residence

A minimum of ten courses must be taken at Dordt College. A student may not receive both the A.A. and the A.B. degrees at the same commencement. However, credits earned in obtaining the A.A. degree may be applied toward the A.B. degree at any time.

Distribution Requirements

1. General Education (8 courses)	
A Writing Course	1
Any course from English 101, 301, 302, 303, 304, or Communication 241.	
History (any course)	1
Theology or Philosophy (any course)	1

- Science 1
Any course from the agriculture, astronomy, biology, chemistry, physical science or physics departments.
- Mathematics or Computer Science (any course) 1
This requirement may be waived if the student has one of the following:
a. A percentile ranking of 70 or higher on the mathematics section of the ACT test.
b. Passed a comprehensive mathematics skills test.
- Humanities 1
Any course from the art, English, music, or theatre arts departments; or any foreign language/linguistics course.
- Social Sciences 1
Any course from the economics, political science, psychology, sociology, or social work departments.
- Elective 1
One additional course from any of the categories listed above.
- Physical Education 10
- General Studies 10
- Computer Literacy
This requirement may be met by passing a computer literacy test or by taking any computer science course at Dordt College.
2. **Area of Concentration** (6-12 courses)
Each student must take an approved "Area of Concentration."
3. **Elective Courses** (0-6 courses)
These courses are to be selected by the student to meet individual needs and goals.
a. A second Area of Concentration may be worked out.
b. Cognate type courses may be selected to support the Area of Concentration.
c. Additional courses in the Area of Concentration may be selected.
d. Courses which explore alternate career options may be selected.
e. A wide distribution of courses may be chosen to provide a broad general background.



Academic Policies

Class Attendance

All students are expected to attend all class periods and all laboratory periods. Penalties for absence from class are left to the individual instructors. The instructor may lower a student's mark if there have been excessive unexcused absences. No allowed number of skips is permitted.

Credits

All credit at Dordt College is given in semester hours. Each semester hour requires one period per week of class work and approximately two hours per week of outside preparation.

Student Classification

Classification is made at the beginning of the academic year and is determined by the number of full courses successfully completed:

Sophomore	8 courses
Junior	18 courses
Senior	28 courses

Student Load

The normal student load is five courses per semester. The minimum load for full-time student classification is four courses (twelve semester hours) per semester.

Under the conditions listed below, students may take more than five courses per semester. However, the decision to do so should be considered very carefully and should be made in consultation with an academic adviser. The following policies will govern overloads:

- Within the definition of a normal load, a student may take two approved one-hour courses in addition to the five-course load.
- No freshman may register for an overload in his first semester, and he may do so in the second semester only if he has a grade point average of 3.00 or better and has written permission from the Associate Academic Dean.
- A first semester freshman who is accepted on academic probation will not be allowed to take more than a four-course load.
- Sophomores, juniors, and seniors may register for a one-course overload if they have a cumulative grade point average of 2.00 or better.
- Students who wish to take more than one overload course per semester must have a cumulative grade point average of 3.00 or better and have written approval from the Associate Academic Dean.
- IN A STUDENT'S FOUR-YEAR PROGRAM, NO MORE THAN TWO OVERLOAD COURSES WILL BE APPLIED TO THE GRADUATION REQUIREMENT OF 40 COURSES.

Class Visitor and Audit Policies

1. *Full-time Students* – will be allowed class visitor privileges with the permission of the instructor and the registrar if there is room in the class.
2. *Part-time Students* – will not be granted class visitor privileges. They will be permitted to audit classes at half the regular tuition rate.

Dropping Courses

Changes in registration must be completed within one week after the opening date of each semester. Permission to change courses must be obtained from the Registrar of the College.

No course may be dropped without the permission of the Registrar of the College. Courses dropped without permission are recorded as "F". Courses dropped after the seventh day of classes of the semester are recorded as "WP" – withdrawn passing – if the student has a passing grade in the course when it is dropped and "WF" – withdrawn failing – if the student is failing when the course is dropped. All courses dropped after the tenth week of the semester will be recorded as "F".

Repeating Courses

A student may repeat a course regardless of the grade earned. The initial grade will be ruled through and will not be used in calculating the grade point average. Only the last course will be listed for credit and the last grade will be used for calculating the grade point average.

Withdrawal From School

A student who wishes to withdraw from school should see the Director of Counseling to obtain the necessary withdrawal form and receive permission to leave school. The form must be signed by the Director of Counseling, Dean of Students, Director of Admissions, Assistant to the Vice President for Business, and returned to the office of the Registrar. Refunds are based upon the date of such approval. Students who withdraw without permission will have grades of "F" recorded for all courses.

Grading System

The following grading system is in effect at Dordt College:

Grade	Points Per Hour	Description
A	4	Exceptional
B	3	Good
C	2	Graduation Average
D	1	Unsatisfactory
F	0	Failure
P	0	Pass
WP	0	Withdrawn Passing
WF	0	Withdrawn Failing
AU	0	Audit

Grade Point Average

College graduation requires that a student maintain a 2.00 grade point average. The grade point average is determined by dividing the total number of grade points by the total number of hours attempted.

A grade of "F" in a course will be computed in the student's grade point average (this refers to both regular courses and pass-fail courses); a student who withdraws from a course prior to the expiration of 10 weeks will not have the "WF" computed in his grade point average.

Enrollment in Other Schools

Students who are enrolled in Dordt College will not be permitted to take work for academic credit in the same semester in other schools without permission from the Associate Academic Dean. In no case, will students be permitted to carry a load greater than that stated in the catalog.

Pass-Fail Option

At Dordt College, students have the option of selecting courses on a pass-fail basis. This policy was adopted to provide more flexibility in program planning and to encourage students to explore many interests outside of their normal program without the worry of overload or about the effect of the course grade on his grade point average.

The following guidelines have been adopted to aid the students in the selection of P/F courses:

P/F courses may be taken by sophomores, juniors, and seniors.

Sophomores and juniors may take one P/F course per semester. Seniors may take one P/F course per semester except in such cases where the second P/F course will be the sixth course. A total of six P/F courses may be applied to the 122 hours required for graduation.

The grade of "P" will be calculated for grade point average purposes as follows: Hours attempted = 0; Credits = 2, 3, 4, etc.; Grade points = 0. Thus, a grade of "P" WILL HAVE NO EFFECT ON THE STUDENT'S GRADE POINT AVERAGE because the grade point average is determined by dividing the grade points by the hours attempted.

A grade of "F" will be calculated in the same way as an "F" under the normal grading system. Thus, a grade of "F" WILL REDUCE THE STUDENT'S GRADE POINT AVERAGE.

Students who receive a "P" in a P/F course may not retake the course on a graded basis.

The various departments have the prerogative to identify courses which should not be P/F. Students may register for P/F in elective courses only. Excluded, therefore, are:

1. All general education requirements.
2. All requirements for majors and teaching minors.
3. All requirements for teacher education programs.

Students will select the P/F option during the add/drop period at the beginning of the semester. Changes from A-F to P/F grading and from P/F to A-F grading may be made on forms supplied by the Registrar's Office as follows:

1. P/F to A-F grading—anytime prior to last day of classes.
2. A-F to P/F grading—anytime during the first ten weeks of the semester.

Academic Standing

A student is expected to maintain a 2.00 grade point average for graduation. When the grade point average falls below 2.00, the student is given written warning of academic deficiency, or is placed on academic probation, or is dismissed for academic reasons. The seriousness of the deficiency will determine the action taken.

A student may be on academic probation for only one semester. If the student does not raise the grade point average above the academic probation classification, he will be required to receive special permission to register for further work at Dordt College. The faculty Academic Policies Committee may recommend that the student be allowed to register on special academic probation or that the student be dismissed. The Committee decision is made on the basis of the circumstances in each individual case.

Students and parents are notified when students are placed on probation or dismissed for academic reasons.

A student dismissed for academic reasons may not apply for readmission before a lapse of one academic year.

Grade Reports

First semester mid-term grades are reported to freshmen. These are not recorded on the permanent record but are for the purpose of indicating progress being made. Mid-term reports are obtained from the student's faculty adviser.

Final grade reports are released by the Registrar's Office as soon as possible after the close of each semester.

Official Transcripts

One transcript is furnished free to each student. The fee for each additional transcript is \$1.00, payable in advance. Requests for transcripts should be submitted well in advance of the time they are required by the student. Transcripts will not be made during the week of registration or at the time semester grades and reports are being processed.

A transcript will be released only if all accounts have been settled with the College.

Transcripts are released only with the written permission of the student. They will not be sent to employers or other agencies without the permission of the student.

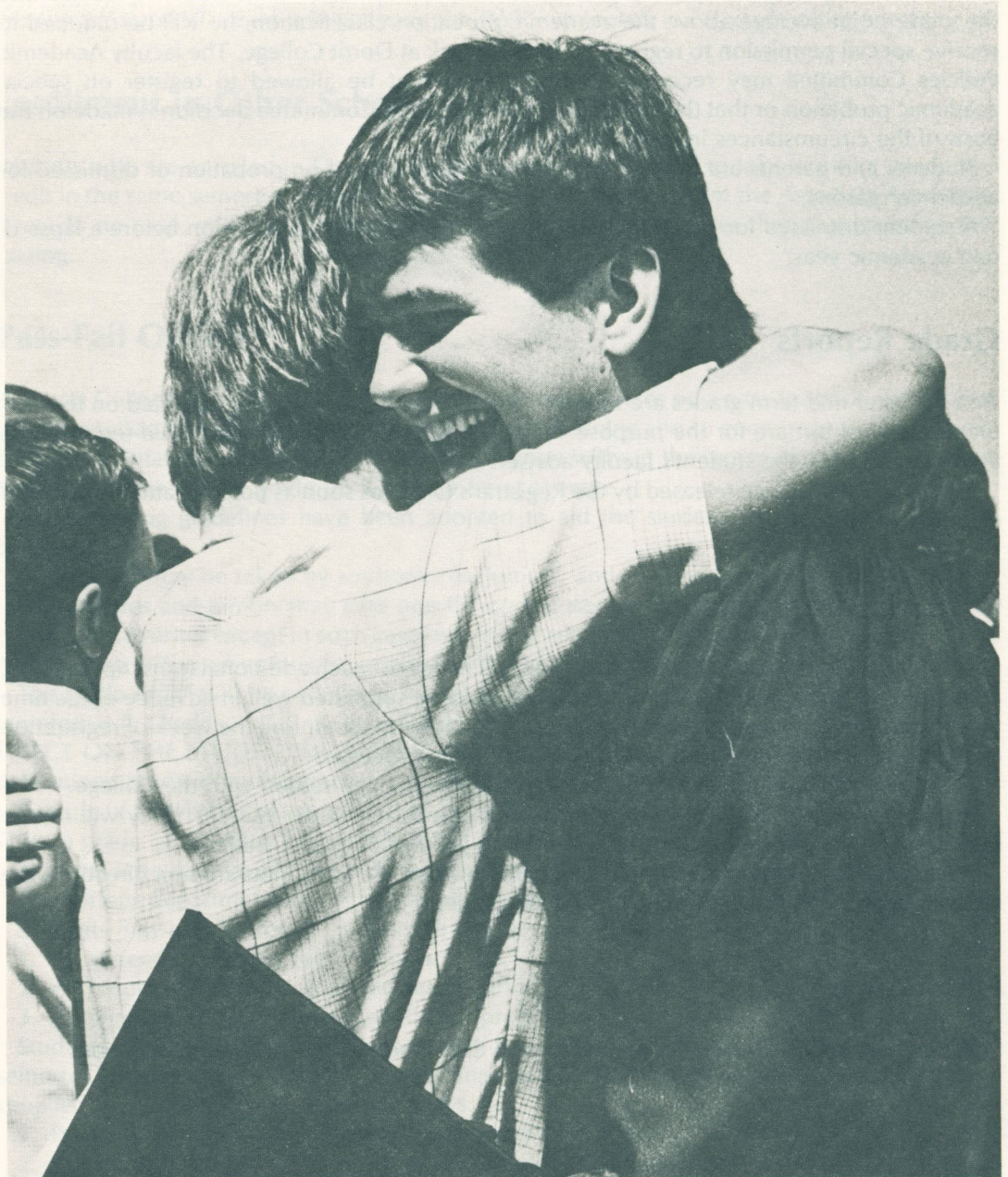
Official transcripts are not given directly to the student. All transcripts are sent directly to the school; employer, or agency specified by the student.

Graduation

Students must make application for graduation the semester prior to their graduation.

Graduation Ceremony

Graduation exercises are held only at the end of the spring semester. In order to participate in the graduation exercises, the student must have completed all course work for the degree. Requests for exceptions must be brought to the Academic Policies Committee via the Associate Academic Dean prior to February 1. There are no exceptions for the A.A. degree.





PROGRAMS OF STUDY

Bachelor Degrees

The four-year program at Dordt College offers studies in many different areas of learning and affords an opportunity to prepare for a wide variety of careers. The courses outlined in the following pages suggest many of the opportunities available at Dordt College which lead to the Bachelor of Arts degree. Engineering majors may request the Bachelor of Science in Engineering degree as an alternative to the Bachelor of Arts degree when applying for graduation.

Programs

The curriculum of Dordt College offers extensive opportunities for preparation in many areas. Career planning assistance will be given by qualified personnel in order for the student to select the courses which best fit his program after graduation or transfer.

The following is a list of the programs available at Dordt that a student may consider in planning his future vocation and area of service.

Elementary Education
General Liberal Arts
Medical Technology
Pre-Dental
Pre-Legal
Pre-Medical
Pre-Nursing

Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Seminary
Pre-Veterinarian
Secondary Education

Majors

Accounting
Agriculture
Agri-Business
Art
Biology
Business Administration
Business Education
Chemistry
Classical Studies
Communication
Computer Science
Dutch
Electrical Engineering
Elementary Education
Engineering Science
English
German
History

Individual Studies
Management Information Systems
Mathematics
Mechanical Engineering
Music
Natural Science
Philosophy
Physical Education
Physics
Political Science
Psychology
Social Science
Social Work
Sociology
Spanish
Speech
Theatre Arts
Theology

Associate of Arts Degree

The two-year program offers a wide range of educational options through professionally and occupationally designed programs or through a flexibly designed two-year sequence of relevant courses and educational experiences.

Areas of Concentration

- Agriculture
- Data Processing
- Early Childhood Education
- General Studies
- Secretarial Science
- Special Education Aide
- Teacher Aide



Individual Studies Program

Individual Studies Major

The Individual Studies Major will provide an opportunity for specially qualified students to plan a specific program in an area of study not yet formally developed by the college as a major. The Individual Studies Major is intended for a limited number of students who are broadly matured and possess special characteristics such as the ability to articulate clearly and specifically their goals; self-reliance and the ability to work independently; self-motivation; and the ability to carry a project to completion.

The Individual Studies Major is a major option within the graduation requirements for the A.B.—General degree. Since every general student has a large number of elective options beyond the already structured majors, an Individual Studies Major presupposes a scope of courses and program structuring which goes beyond what a student can normally accomplish within the elective course options. Therefore, the student must submit, in writing, a forty-course sequence which together make a unified program. It will be the student's responsibility to specify why each course has been selected and to demonstrate how each course applies to the goal articulated for the Individual Studies Major. The forty-course sequence must include courses which meet the fourteen-course general education requirement; a fifteen-course major program which will insure depth of understanding and performance in the special area selected; and, eleven elective courses, each carefully selected to contribute to the special area of study.

Students who wish to plan an Individual Studies Major should see the Associate Academic Dean to discuss the specific requirements and application procedures (minimum requirements are ten courses and a cumulative grade point average of 2.50 or better). The Associate Academic Dean will assign a faculty member to assist the student in writing his proposal and to serve as faculty coordinator of the accepted program.

The Individual Studies Committee will review all proposals. The committee may approve, reject, or suggest modifications. The committee will also review Individual Studies Major programs periodically to evaluate the quality of work being done, the extent to which goals and requirements are being met, and the need for modifications of the original proposal. The committee has the right to terminate an Individual Studies Major at any time that it becomes apparent that the student is not qualified to continue or is not carrying out the program as originally approved.

Individual Studies Courses

Individual Studies 391,392 courses are offered by many departments to provide properly qualified students the opportunity to do intensive work in a subject not normally included in the regular course offerings or to pursue in depth a topic encountered as part of previous studies. The Individual Studies courses allow for greater flexibility of program as well as greater responsibility for the student in the learning process. Within the individual studies concept are included such options as research, practicum, independent study, readings, and performance. It is understood that the burden of responsibility for learning will be on the student—it is not a tutorial program.

Students who wish to enroll in an Individual Studies course must complete a Course Proposal form which may be obtained from the Associate Academic Dean. In the written proposal the student will describe in some detail the object or goal of the study, the procedures to be followed, the materials to be used, a projected product or outcome, and the method of evaluation. The proposal must be signed by the faculty project supervisor. Completed proposals must be returned to the Associate Academic Dean for approval by the deadline for adding courses. If the acceptability of an Individual Studies proposal is questioned, it will be brought to the Individual Studies Committee for final action.

If a proposed Individual Studies project is interdepartmental or falls within a department that does not have an Individual Studies option, the student may consult the Associate Academic Dean for permission to register for Individual Studies 391 or Individual Studies 392.

All 391, 392 Individual Studies Courses are governed by the following policies:

1. Only juniors and seniors will be allowed to take Individual Studies courses except, in unusual cases, others might be allowed to do so on petition to the Academic Policies Committee.
2. A student must have a cumulative grade point average of 2.25.
3. Not more than one Individual Studies course may be taken in a semester. No more than three Individual Studies courses may be applied to the forty-course graduation requirement.
4. Normally, an Individual Studies course should be completed in one semester, but, with advance notice, the course may be spread over the first and second semesters of the same year.
5. Individual Studies courses are open only to students who have had extensive previous course-work in the department.

391 Individual Studies (3)

Individual study of a topic which is interdepartmental or which falls within a department which does not have an individual study option. With permission of the Associate Academic Dean.

392 Individual Studies (3)

Same as Individual Studies 391.

SOCIAL WORK PROGRAM

The Social Work Program is built upon a strong liberal arts base and foundational courses in the social sciences. The program is designed to equip students with the requisite knowledge and skills for entry into social service positions as well as entrance into graduate programs. The Social Work Program is of such a nature that admission to the program and completion of the major will require a formal two-part application process.

Admission to the Program

The first part is an application for admission to the program. The application should be filed during the second semester of the sophomore year prior to the spring break. Forms may be obtained from the chairperson of the Social Work Program Committee.

Completed application forms are reviewed by the Social Work Program Committee, and admission to the program is based on the following criteria:

1. A minimum cumulative grade point average of 2.20 with a minimum of 13 courses completed for credit.
2. A written statement of personal interest which indicates an ability to communicate effectively and a commitment to social service.
3. Acceptable physical and psychological health.

Upon review of the application, the committee will take one of the following actions:

1. Accepted - meets all criteria.
2. Accepted conditionally - some deficiencies but remediable.
3. Rejected - deficiencies beyond foreseeable remediation.

The student will receive written notice of status.

Admission to the Professional Semester

The second part of the application process is an application to participate in the professional semester which includes an intensive field work experience. This application should be filed during the second semester of the junior year, prior to the spring break. Forms may be obtained from the chairperson of the Social Work Program Committee.

The application will be reviewed by the Social Work Program Committee, and admission to the professional semester will be based on the student meeting the following criteria:

1. A minimum cumulative grade point average of 2.50.
2. Completion of the required courses as listed under the major: Social Work - page 105 of the catalog.
3. Senior status (anticipated).
4. An acceptable recommendation from a faculty member.
5. A written statement which demonstrates acceptable communication skills and a mature and knowledgeable interest in social work.
6. An interview which demonstrates the student's suitability to social work in terms of interest, knowledge, maturity, personality, and physical and mental health.

Upon review of the application, the committee will take one of the following actions:

1. Accepted - meets all criteria.
2. Accepted conditionally - some deficiencies but remediable.
3. Rejected - deficiencies beyond foreseeable remediation.

The student will receive written notice of status.

The Social Work Program Committee reserves the right to refuse admission to, or continuation in the program to any student who does not maintain a 2.50 grade point average, or, who in the judgement of the committee, has physical, mental, or personality handicaps which would be detrimental to the student and/or to the welfare of the clients to be served.

Course Requirements

Social Work Program

General Education 14 courses

These courses are the same for all students.

Major.....	17 courses
Sociology 215 or 216	Fr.
Social Work 225	Soph.
Social Work 226	Soph.
Psychology 210	Soph.
Elective (select from sociology, psychology, economics, political science)	Soph.
Sociology 207	Jr.
Social Work 303	Jr.
Social Work 310	Jr.
Psychology 205	Jr.
Sociology 307	Sr.
Social Work 304	Sr.
Social Work 312	Sr.
Social Work 315	Sr.
Social Work 325	Sr.
Social Work 374 (counts as three courses)	Sr.

NOTE: Social Work 374 (Field Work Experience) must be taken at Dordt College to receive graduation credit toward the Social Work Major.

Electives	9 courses
Physical Education	

Each student must complete Physical Education 10 and two semesters of physical education activities courses.



TEACHER EDUCATION PROGRAM

To be eligible for recommendation for certification in teaching, students must be admitted to the Teacher Education Program and must complete the requirements for the Bachelor of Arts degree either in elementary education or in secondary education.

Admission to the Program

Formal application for admission to the Teacher Education Program should be filed during the sophomore year. Application forms are distributed near the end of the first semester in the Education 201 classes. Forms also may be obtained from the Coordinator of the Education Department.

Completed applications are reviewed by the Teacher Education Committee. Criteria for admission to the Teacher Education Program are:

1. Completion of a minimum of 13 classes for credit.
2. A minimum cumulative grade point average of 2.20 (2.50 for students entering fall, 1984).
3. Passing scores on proficiency tests in English, spelling, and mathematics.
4. A recommendation following an interview with a member of the Education Department.
5. A recommendation from a faculty member of the applicant's choice.
6. Ability to communicate effectively and correctly.
7. Acceptable physical and psychological health.
8. Acceptable personal character: ethical, moral, and spiritual standards which may be expected of a Christian teacher.

After considering a student's application for admission to the Teacher Education Program, the Teacher Education Committee will take one of the following actions:

1. Accept for admission
 - a. Unconditional: the Committee judges that there are no recognizable deficiencies in any of the criteria for admission.
 - b. Conditional: the Committee judges that, although there is some deficiency, the student is able to remediate the deficiency and that conditional status in the program is appropriate.

2. Reject

The Committee judges that the applicant's deficiencies warrant rejection. A student whose application is rejected will meet with the committee chairperson to discuss the reasons for the rejection. The student may reapply for admission after one semester by contacting the chairperson of the Teacher Education Committee.

Each applicant is informed in writing of the committee's decision.

Retention in the Teacher Education Program

The records of students in the Teacher Education Program are reviewed after each semester's work is completed. Consideration is given to each student's performance in professional courses, professional experiences, and in the teaching minors, majors and/or approval areas. Both elementary and secondary education students must maintain cumulative grade point averages of 2.20 (2.50 for students entering fall, 1984).

If a student's grade point average falls below 2.20 (2.50 for students entering fall, 1984) or if the student does not continue to meet the standards for admission to the program, the Teacher Education Committee may place the student in a conditional status or dismiss the student from the Teacher Education Program. If such action is taken, the student will meet with a member of the committee. The reasons for the change in status will be explained.

Consideration for re-admission can be given one semester after dismissal. The student, however, must initiate re-admission procedures by contacting the Chairperson of the Teacher Education Committee.

Admission to Student Teaching

Student teaching is required of all students preparing for certification. Application for student teaching must be made toward the end of the student's junior year. To qualify for student teaching, a student must meet the requirements listed below:

1. Elementary education students
 - a. Completion of a minimum of 28 courses for credit applicable to an approved program in teacher education.
 - b. Admission to the Teacher Education Program.
 - c. Completion of Education 201, 202, 215, 221/223, 322, 323.
 - d. Achievement of a minimum cumulative grade point average of 2.20 (2.50 for students entering fall, 1984).
 - e. Recommendation on the basis of performance in professional courses, professional experiences, in approval areas and teaching minors.
2. Secondary education students
 - a. Completion of a minimum of 28 courses for credit applicable to an approved program in teacher education.
 - b. Admission to the Teacher Education Program.
 - c. Completion of Education 201, 202, 215, and methods in the major area of study.
 - d. Achievement of a minimum cumulative grade point average of 2.20 (2.50 for students entering fall, 1984).
 - e. Recommendation on the basis of performance in professional courses, professional experiences in the major, and other approval areas.
3. Students intending to complete a program for a second endorsement requiring a second student teaching assignment within the four-year college program must have a minimum grade point average of 3.00 to qualify for the second assignment.
4. To qualify for Education 376, students must complete all requirements of the elementary program plus Education 301, 302, 305, 306, 309, and 327.

Application for student teaching must be approved by the Teacher Education Committee. Student teaching must be taken at Dordt College to receive graduation credit and recommendation for certification.

Requirements for Institutional Recommendation for Certification

To qualify for certification, a student must receive the recommendation of the Teacher Education Committee and must meet all requirements for the A.B. degree. To receive the recommendation of the Committee, elementary and secondary students must meet the following requirements:

1. Admission to the Teacher Education Program.
2. Completion of an approved program in teacher education.
3. Achievement of a minimum cumulative grade point average of 2.20 (2.50 for students entering fall, 1984).
4. Successful completion of a student teaching experience.

Course Requirements for Teacher Education Degrees

The requirements for degrees in education are listed below with the professional education courses in their recommended sequences.

A.B. – Secondary Education

General Education 14 courses

These courses are the same for all students.

Professional Education 8 courses

Education 201	Introduction to Education	Soph.
Education 202	Practicum in Education	Soph.
Education 215	Educational Psychology	Jr.
Methods		Sr.
Education 364	Issues in Education	Sr.
Education 374	Student Teaching—Secondary	Sr.

NOTE:

1. Education 374 is counted as three courses.
2. Iowa teachers need History 201, or 202, or Political Science 212 to be re-certified.
3. A human relations course or fifteen units of human relations credit is a professional requirement for Iowa certification.

Major 10-22 courses
The teaching majors, minors, and approval areas are identified in the alphabetical list of course descriptions in the catalog.

Electives 0-10 courses

Students may use their electives to earn a Secondary Teaching Minor (with its approval area). THE SECONDARY MINOR IS OPTIONAL.

Physical Education

Each student must complete Physical Education 10 and two semesters of physical education activities courses.

A.B. – Elementary Education

General Education 14 courses

These courses are the same for all students.

Professional Education

The professional education component is included in the major listed below.

Major 15 courses

Education 105	Elementary School Health and Physical Education	Fr.
---------------	---	-----

Education 201	Introduction to Education	Soph.
Education 202	Practicum in Education	Soph.
Education 221	Teaching Social Studies in the Elementary School	Soph.
Education 223	Teaching Bible in the Elementary School	Soph.
Education 215	Educational Psychology	Jr.
Education 211	Art for the Elementary Teacher	Jr./Sr.
Education 311	Materials of Elementary Music Education	Jr./Sr.
Education 322	Teaching Arithmetic in the Elementary School	Jr.
Education 323	Teaching Reading in the Elementary School	Sr.
Education 324	Teaching Language Arts in the Elementary School	Sr.
Education 325	Teaching Science in the Elementary School	Sr.
Education 364	Issues in Education	Sr.
Education 372	Student Teaching – Elementary	Sr.

Education 324, 325, 364, and 372 comprise the professional semester of the senior year. Education 324 and 325 are counted as one course toward graduation and student teaching is counted as three courses. In order to complete the major of fifteen courses, one elective must be selected from the following courses:

Communication 212	Oral Interpretation
Education 205	Children's Reading Material
Education 232	Interpersonal Communication for the Elementary Teacher
Education 262	Creative Dramatics for Children
Education 301	Introduction to Exceptional Individuals
Education 302	Introduction to Mental Retardation
Education 303	Introduction to Learning Disabilities
Education 330	Human Relations in Education
Education 343	History and Philosophy of Education
English 336	English Grammar
Geography 201	Introduction to Geography
History 201	American History
History 202	American History
Mathematics 109	Mathematics for the Elementary Teacher
Political Science 212	American Government and Politics
Psychology 205	Developmental Psychology I

NOTE:

1. The elective fifteenth course must not be a part of the teaching minor or one of the general education courses.
2. Iowa teachers need History 201, or 202, or Political Science 212 to be re-certified.
3. A human relations course or fifteen units of human relations credit is a professional requirement for Iowa certification.
4. Education 372 is counted as three courses.

Minor 6-8 courses

Each elementary education student must earn a minor in one of the fields listed as teaching minors in the course description section of the catalog.

NOTE:

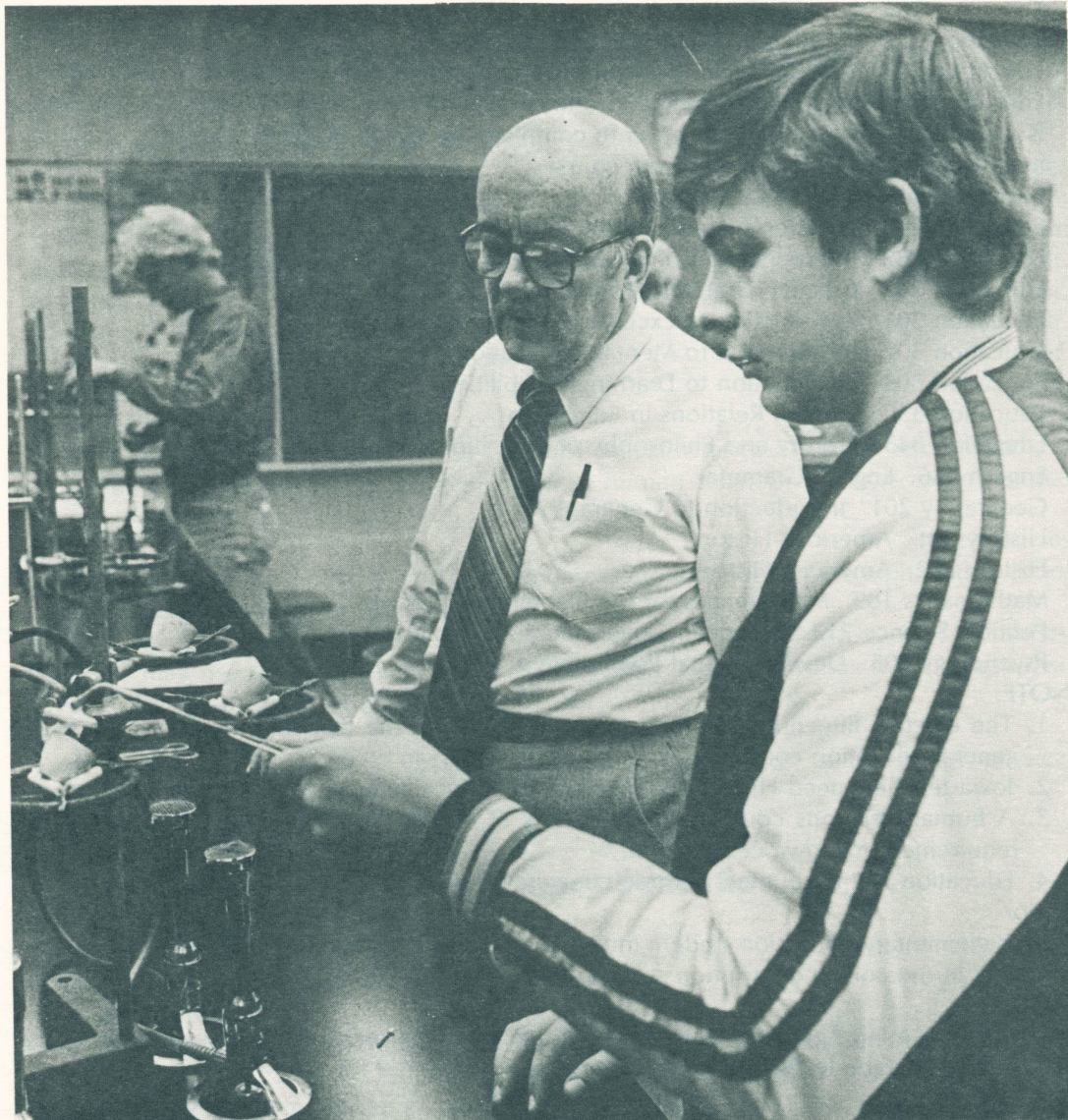
1. For most minors an approval area is awarded which permits the teaching of the subject at the ninth grade level. The approval area is not required for K-8.

2. The minors in general science, mathematics, language arts, and social science represent the basic curricular areas in the elementary school.
3. The minors in art, music, and physical education permit teaching the subject matter outside of the self-contained classroom.
4. Students completing the art minor may substitute Art 350 for Art 211 in their elementary education major.

Electives 4-7 courses

Physical Education

Each student must complete Physical Education 10 and two semesters of physical education activities courses.



OFF-CAMPUS PROGRAMS

American Studies Program

The American Studies Program in Washington, D.C. draws students from Christian colleges throughout the United States. Students participating in the program spend a semester in the nation's capital attending academic classes, serving as interns in government and nongovernmental agencies, and living in a unique Christian community. The program is open to students majoring in all fields. For application forms and more information contact Dr. Rockne McCarthy.

AuSable Institute of Environmental Studies

Dordt is one of 18 Christian colleges participating in the summer environmental studies programs offered at AuSable Institute near Mancelona, Michigan, an area rich in land, water, and biotic resources. As many as two courses can be taken at each of two summer sessions and applied toward meeting Dordt graduation requirements. Certification programs for Naturalist, Land Resources Analyst, Water Resources Analyst, and Environmental Analyst are also offered.

Course offerings for the summer sessions are as follows:

Session I

AuSable 301 Land Resources
 AuSable 303 Natural Resources Practicum
 AuSable 311 Field Botany
 AuSable 321 Animal Ecology
 AuSable 390 Directed Individual Study

Session II

AuSable 302 Water Resources
 AuSable 304 Natural Resources Practicum
 AuSable 312 Entomology
 AuSable 322 Aquatic Biology
 AuSable 332 Environmental Chemistry
 AuSable 391 Directed Individual Study

Interested students should contact Dr. Vander Zee or Mr. Hodgson at Dordt College for details regarding the AuSable program.

AuSable Fellowships and Scholarships are available to Dordt students (see scholarship section of the catalog).

Chicago Metropolitan Center Program

Selected juniors and seniors may register for a semester in the Chicago Metropolitan Center Program.

This program is under the supervision of Trinity Christian College. Each student spends several days in an on-the-job learning experience in such fields as business administration, social work, psychology, journalism, and government. In addition, each student participates in a metropolitan seminar, a values seminar, and a social research seminar.

German Overseas Program

During the spring semester, Dordt College sponsors an academic program in Germany in conjunction with Dordt's Netherlands Program and the Lessing Kolleg. The focus of the program is gaining facility in the German language. Applicants need a 2.50 grade point average and completion of German 201. The program is designed for sophomores, juniors, and seniors. A screening committee will review all applications.

Iowa Legislative Internship Program

Selected juniors and seniors may register for a semester in the Iowa Legislative Internship Program. The student is assigned to one of the Iowa legislators who is responsible for using him as an assistant. In addition to the work assigned by the legislator, each student completes an Individual Study project which capitalizes on his work experience and the many resources available in Des Moines.

Study Abroad Program in the Netherlands

Dordt College offers a unique opportunity to spend the spring semester off-campus in the Netherlands in a unique learning situation, while earning five courses of credit. Courses are offered in Dutch language and literature, Dutch art and architecture, Dutch culture and society, the history of the Low Countries, International Marketing, and Individual Studies.

Applicants need a 2.50 grade point average and completion of at least a semester of college Dutch or its equivalent. The program is designed for sophomores, juniors, and seniors. A screening committee will review all applications. Students should contact the program director, Dr. William Stronks, for information and application forms.

Summer Study Program in Mexico

High school and college students may apply to study at the Romance Language Institute of the University of Durango in Mexico. Dordt College students have the opportunity to serve as chaperons for the high school students. Classes are held at all levels, from beginning Spanish to an M.A. program. The Dordt College program in Mexico is for three weeks each summer. College students can earn one course credit (3 semester hours).

Preparation For Graduate Study

Dordt College, through its major departments, prepares students for graduate level work. Students who plan to do graduate work should consult faculty advisors in the major department when selecting courses in the major field of study or in related supporting subjects. Courses should be carefully selected to meet the specified scholastic requirements of the graduate school which the student plans to enter. The Counseling Center maintains a file of graduate school catalogs which may be used by faculty members and students.



Courses of Instruction

COURSE DESCRIPTIONS

Accounting

General Major— Business Administration 201, 202, 301, 302, 310, 311, 312, 313, 314, 315, 351; two elective courses from business administration; Economics 201, 202; one elective course from economics; Computer Science 101, 103, or 111; Mathematics 107.

Agriculture

General Major— Agriculture 101, 102, 201, 221, 232, 312, 313, 371; two elective courses from agriculture or Biology 319; Biology 115, 122; Business Administration 201, 206; Chemistry 101, 102; Economics 201, 202.

Area of Concentration (Associate of Arts)

Agriculture 101, 102, 201, 221, two elective courses from agriculture; Biology 122; Business Administration 201; Chemistry 101; Communication 110.

(General Education Requirements or Electives must be met by the following specific courses: Biology 101; Computer Science 101; English 101; History 100; Theology 101.)

Agri-Business

General Major— Agriculture 101, 102, 201, 221, 232, 312, 371; Biology 115, 122; Business Administration 201, 202, 205, 206, 301; Business Administration 302 or 315; Chemistry 101, 102; Economics 201, 202, 303.

101 Introduction to Animal Science (4)

Management, physiology, breeding, feeding and marketing of cattle, swine, sheep, poultry, and other animals. Three lectures and one laboratory period of three hours per week.

102 Introduction to Agronomy (4)

Principles of crop production. Emphasis is placed on the production of corn, soybeans, small grains and forages. The effect of soil and climate on plant growth and production is integrated into the various crop studies. Weeds and weed control are included. Three lectures and one laboratory period of three hours per week.

201 Nature and Properties of Soils (3)

A comprehensive introduction to the field of soil science with emphasis on scientific principles and their application in solutions of practical soil management problems. Two lectures and one laboratory of three hours per week. Prerequisites: Agriculture 102; Chemistry 101.

221 Farm Operation and Management (3)

A study of principles involved in farm organization, management and operation. The use of financial and production records and the application of business principles to the farm operation. Two lectures and one laboratory period of three hours per week. Prerequisites: Agriculture 101, 102.

- 232 Animal Nutrition (3)**
Function, values, and composition of common feed stuffs. Discussion of important components of diet. Formulation of beef, dairy, and swine rations. Two lectures and one laboratory of three hours per week. Prerequisites: Agriculture 101; Biology 115; Chemistry 101, 102.
- 241 Swine Production (3)**
A study of swine care and management, physiology, diseases, equipment, reproduction, and nutrition. Two lectures and one laboratory period of three hours per week. Prerequisite: Agriculture 101 or permission of the instructor.
- 251 Horticulture (3)**
An overview of the field of horticulture with emphasis on horticultural science, horticultural practices, and horticultural production methods. Lecture topics will include plant taxonomy, plant propagation, management of controlled environments, horticultural crop improvement, vegetable crops, pomology, and ornamental horticulture. Two lectures and one laboratory period of three hours per week. Prerequisite: Agriculture 102 or Biology 115, or permission of the instructor.
- 311 Soil Fertility and Soil Management (3)**
An integrated discussion of soil-crop yield relationships with emphasis on the soil as a source of mineral nutrients for crops and the role of fertilizers and manure in crop production. The course will also include a study of the principles and practices used in soil and water conservation, agronomic aspects of erosion control, water management, storage, drainage, and irrigation. Prerequisites: Agriculture 102, 201; Chemistry 101, 102.
- 312 Marketing Agricultural Products (3)**
The application of marketing principles to the agricultural industry. Farm support prices, marketing channels, futures and commodities will be discussed. Three lectures per week. Prerequisites: Agriculture 101, 102, 221.
- 313 Principles of Plant Protection (3)**
An introduction to the principles of plant pathology, economic entomology, and weed science. Attention will be given to identification, morphology, taxonomy, physiology, ecology, life cycles of pests and diseases, and control methods. Prerequisites: Agriculture 102, 201; Biology 115, 122; Chemistry 101, 102.
- 334 Physiology and Breeding of Farm Animals (3)**
An application of the principles of physiology and genetics to the major classes of livestock. Physiology of reproduction, milk production, and ruminant digestion will receive attention. Heritability, selection methods and mating systems are studied. Three lectures per week. Prerequisites: Agriculture 101, 232; Biology 213; Chemistry 201, 202.
- 341-348 Special Topics (3)**
These courses will vary from year to year, and are designed to meet special student interests and to utilize staff strengths and the talents of experts in the community. Each course will cover material not usually treated in regularly scheduled courses.
- 371-372 Practicum (3)**
Students will be given opportunity to apply the principles of agriculture and business in an off-campus assignment.
- 391 Individual Studies (3)**
Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.
- 392 Individual Studies (3)**
Same as Agriculture 391.

Art

General Major— Art 201, 202, 207, 208; one course from Art 216, 218, 220; one course from Art 225, 228, 230; one course from Art 216, 218, 220, 225, 228, 230;

- two courses from Art 302, 316, 318, 320, 325, 328, 330; one course from Art 341, 348, 391, 392; Art 370; one elective course in art; participation in an exhibit in the senior year.
- Teaching Major – Art 201, 202, 207, 208; one course from Art 216, 218, 220; one course (Secondary) from Art 225, 228, 230; one course from Art 216, 218, 220, 225, 228, 230; two courses from Art 302, 316, 318, 320, 325, 328, 330; Art 370; one elective course in art; participation in an exhibit in the senior year.
- Approval Area (For vertical certification Education 211 and 350 are also required.) 34–Art
- Teaching Minor – Art 201, 202; two courses from Art 216, 218, 220, 225, 228, 230; one (Secondary) course from Art 207, 208; two elective courses in art; Education 350.
- Approval Area
34–Art
-

201 Design Theory (3)

Discovery of two and three dimensional design through the use of the basic art elements: line, shape, value, color, texture, and space. The course is intended to develop a visual vocabulary and an imaginative approach to design. Required of all majors and minors.

202 Drawing (3)

Acquiring the basic skills of drawing through an objective investigation of reality. Common media and tools are used. Required of all majors and minors.

207 Art History (3)

An introduction to the history of the visual arts. A survey of the history of architecture, painting, and sculpture beginning with Ancient Cave Painting up to the Renaissance. Open to sophomores, juniors, and seniors.

208 Art History (3)

An introduction to the history of the visual arts. A continuation of Art 207 beginning with the Renaissance through the twentieth century. Open to sophomores, juniors, and seniors.

216 Sculpture (3)

An introduction to the various methods and materials used in developing three dimensional form including wood, metal, and plaster. The student becomes involved in both additive and subtractive methods of working. Class size is limited.

218 Ceramics (3)

An introduction to clay and the basic process of slab, pinch, coil and wheel-thrown constructions. Class size is limited.

220 Fibers (3)

An introduction to a variety of techniques and processes dealing with fibers and textiles from a creative point of view. Class size is limited.

225 Painting (3)

A study of the tradition in painting, emphasizing techniques and methods of communicating ideas visually. Work will give opportunity to experiment in various subjects and techniques including water-color, acrylics, and tempera. Open to sophomores, juniors and seniors.

228 Printmaking (3)

An introduction to some basic printmaking methods: serigraphy, linocuts, woodcuts, and collograph. Class size is limited.

230 Photography (3)

An exploration of black and white photography as an art form. The student must provide his own 35 mm camera. Class size is limited.

- 302 Advanced Drawing (3)**
- 316 Advanced Sculpture (3)**
- 318 Advanced Ceramics (3)**
- 320 Advanced Fibers (3)**
- 325 Advanced Painting (3)**
- 328 Advanced Printmaking (3)**
- 330 Advanced Photography (3)**
- 332 Advanced Studio (3)**
- 333 Advanced Studio (3)**

NOTE: Courses 302-330 are continuations of the introductory media courses. Each 300 level media course has the 200 level media course as its prerequisite.

341-348 Special Topics (3)

These courses vary each year and are intended to utilize various staff talents and communal expertise while involving the student in in-depth studies of art and art history.

370 Senior Seminar in Art (3)

A critical examination of contemporary problems and trends in the field of art. The course will include readings, discussions, a paper or presentation, critique of current exhibitions, and the senior art show.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Art 391.

Astronomy

Planetary Science

Minor— Astronomy 121; Geology 110, 220; three additional courses in astronomy.

121 Solar System Astronomy (4)

An advanced descriptive introduction to planetary astronomy, with emphasis upon recent discoveries concerning planets and satellites, and their implications for our improved understanding of our Earth. Theories concerning the origin of the Solar System will also be discussed. Three lectures a week, plus a weekly lab/discussion or observing session. Prerequisite: one year of high school algebra.

122 Stellar and Galactic Astronomy (4)

An advanced descriptive introduction to stellar and galactic astronomy. Discussion of the kinds of stars, their origins, energy production, and final collapse; the nature of nebulae, star clusters, black holes, galaxies and quasars; modern cosmology; extra-terrestrial life. Students will undertake a variable star observing project. Three lectures a week; occasional observing sessions (weather permitting).

310 The Giant Planets (3)

The nature and structure of the four giant hydrogen planets (Jupiter, Saturn, Uranus, Neptune), their rings and satellite systems. Conducted as a weekly evening seminar, offered every third spring semester. Prerequisites: Astronomy 121; Geology 110, 220.

320 The Planet Mars (3)

The nature and structure of Mars and its' satellites; phenomena of the Martian atmosphere; the possibilities of life on Mars. Frequent comparisons with Earth, Moon, and other planets will be made. Conducted as a weekly evening seminar, offered every third spring semester. Prerequisites: Astronomy 121; Geology 110, 220, or equivalent with instructor permission.

330 The Minor Planets (3)

The study of minor planets (asteroids) in terms of their orbital distribution, physical composition, and their value in the study of the history of the Solar System. Conducted as a weekly evening seminar, offered every third spring semester. Prerequisites: Astronomy 121; Geology 110, 220, or equivalent with instructor permission.

Biology

General Major— Biology 115, 122, 200, 213; six elective courses in biology numbered 200 or above; Chemistry 103, 104, 201, 202, 205.

Teaching Major—
(Secondary) Biology 115, 122, 200, 213, 391; five elective courses in biology numbered 200 or above; Chemistry 103, 104, 201, 202, 205.

Approval Areas

63—Biology

64—Chemistry

65—General Science (with Physics 115, 116)

Teaching Minor—
(Secondary) Biology 115, 122, 200, 213; two elective courses in biology numbered 200 or above.

Approval Area

63—Biology

101 Biological Science (3)

A study of the nature of organisms and their functioning based on an understanding of how the human body functions. Some bioethical questions (such as abortion and aging) are explored. The course also provides a brief survey of the plants and animals and a Christian perspective on the biotic world. A biology course designed for non-majors.

102 Biological Science (3)

A study of the functioning of organisms in the major terrestrial and aquatic environments. This ecological perspective emphasizes the interactions among the organisms and their physical environment. This includes the effect and responsibility man has in the ecosystem in which he has been placed. The biology of different types of organisms and the major biomes (environments) in which they can be found are studied. Past fossil communities and genetics are also covered. A biology course designed for non-majors.

115 General Botany (4)

An introductory study of the anatomy, physiology, taxonomy, and ecological importance of major plant groups. Three lectures and one laboratory period of three hours per week.

122 General Zoology (4)

A study of the anatomy, physiology, ecology, taxonomy, and economic importance of the invertebrate and chordate animals. Three lectures and one laboratory period of three hours per week.

200 Principles of Ecology and Field Biology (3)

An introduction to ecological studies including topics in ecosystem and community structure, nutrient cycling, energy flow, limiting factors, and population interrelationships. The laboratory will emphasize study of local flora and fauna via field work. At least two Saturday field trips. Two lectures and one laboratory period per week or three lectures per week. Prerequisite: one year of college biology.

201 Human Anatomy and Physiology (3)

An introduction to the study of human biology, with emphasis on the structures and functions of the organ systems of man. Two lectures and one laboratory period of two hours per week. Prerequisite: Biology 122. Freshman pre-nursing students with permission.

- 202 Human Anatomy and Physiology (3)**
A continuation of Biology 201.
- 204 Environmental Biology (3)**
A study of interrelationships within the biosphere between all components. A second level ecology course emphasizing stewardship and human impact on the biotic environment. Three meetings per week in seminar/discussion format. Laboratory or field work arranged occasionally. Prerequisite: Biology 200.
- 210 Nutrition (3)**
A study of the essential nutrients and their functions. Attention will be given to meal planning, weight control, and diets for special conditions. Three lectures per week. Open to pre-nursing students only.
- 211 Invertebrate Zoology (4)**
A study of the taxonomy, anatomy, life history, and ecology of major groups of invertebrates. Three lectures and one laboratory-field period of three hours per week. Prerequisite: Biology 122.
- 213 Genetics (3)**
An introduction to the principles of inheritance and variation in plants, animals, and man. Three lectures per week. Prerequisites: Biology 115, 122, or permission from the instructor.
- 214 Genetics with Laboratory (4)**
An introduction to the principles of genetics using the lectures of Biology 213, with additional experience in the laboratory with live organisms. This course is designed for students who intend to go on to graduate school, medical school, secondary education, or for those students who desire more work in genetics than what is offered in Biology 213. Prerequisites: Biology 115, 122.
- 217 Plant Morphology (4)**
A comparative study of the structure, reproduction, life habits, and relationships of the major plant groups. Three lectures and one laboratory period of three hours per week. Prerequisite: Biology 115.
- 301 Embryology (3)**
A study of the development of representative vertebrates such as the frog, chick, and pig. Two lectures and one laboratory period of three hours per week. Prerequisite: Biology 122.
- 302 Microbiology (3)**
A study of the form, structure and classification of various micro-organisms. Emphasis on bacteria, general laboratory technique, culture, media, sterilization, germicidal action of disinfectants, and staining methods. Includes information on antibodies and antigens, host-antigen reaction, bursal and thymic influences on lymphoid cells, humoral and cellular response mechanisms, and non-specific host defense mechanisms. Two lectures and one laboratory period per week. Prerequisites: Biology 115, 122, or permission from the instructor.
- 304 Histology (4)**
A study of the microscopic anatomy of animal tissues and organs, with emphasis on the relationship between structure and function. Two lectures and two laboratory periods of two hours per week. Prerequisite: Biology 122.
- 312 Comparative Chordate Anatomy (4)**
A comparative study of the anatomy of chordate animals. Two lectures and two laboratory periods of three hours per week. Prerequisite: Biology 122.
- 319 Plant Physiology (3)**
A study of the basic functional aspects of plant growth, development, and reproduction. Lecture topics will include water relations, nutrient relations, translocation, photosynthesis, flowering, fruiting, seed germination, growth, development and phyto-hormones. Two lectures and one three hour laboratory period per week. Prerequisites: Biology 115; Chemistry 103, 104.
- 335 Cell Biology (3)**
A study of the morphology and physiology of the cell, its organelles, and its constituents. Three lectures per week. Prerequisites: Biology 115, 122; Chemistry 103, 104.

341-348 Special Topics (3)

These courses will vary from year to year and are offered as student demand and instructor availability permit. They are designed to open additional areas of biological inquiry.

351 Evolutionism (3)

A study of the theories of origins, of the history and evidences of evolutionism, and analysis of contemporary ideology. Open to all junior and senior students.

355 Research (1)

Original laboratory, field or library research on an approved topic, supervised by the department staff. Open only to junior and senior majors.

356 Research (1)

A continuation of Biology 355.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Biology 391.

Business Administration

General Major— Business Administration 101, 201, 202, 205, 206, 301, 351; four elective courses in business administration; Economics 201, 202, 303; one elective course in economics.

101 Introduction to Business (3)

A survey of the dynamic economy of our nation and a study of the objectives and responsibilities of business. The course considers the ethical problems of business. A non-technical course designed to benefit all college students.

201 Principles of Accounting (3)

An elementary course in fundamental accounting theory and practice; a study of principles of accountability, record keeping, procedures, and preparation of financial reports.

202 Principles of Accounting (3)

An introduction to management accounting with primary emphasis on the record-keeping and internal reporting that forms the basis for management decisions. Prerequisite: Business Administration 201.

205 Principles of Management (3)

A basic course in management fundamentals as applied to business organizations as well as to school, church, and other organizations seeking to accomplish objectives through group activity; a Christian approach to management problems. Prerequisite: sophomore status.

206 Principles of Marketing (3)

A study of marketing institutions, channels of product distribution, problems of price determination, promotion methods, government influences, and ethical problems of the marketing man.

301 Business Law (3)

A study of law and its administration in business relationships, with primary emphasis on the law of torts, contracts, agency, property, and the Uniform Commercial Code.

302 Business Law (3)

A continuation of Business Administration 301 with emphasis on the law of bailments, negotiable instruments, sales, partnerships, corporations, secured transactions, bankruptcy, estate planning, and the Uniform Commercial Code.

305 Personnel Management (3)

A survey course which examines the role of personnel management and its contribution to the total management effort. Emphasis will be placed on recruitment and placement, developing human resources, labor relations, remuneration, and security. Prerequisites: Business Administration 205; junior or senior status.

308 Advertising (3)

A course in principles and practices of advertising, promotion, and public relations strategy, in Christian perspective. A study of legal and ethical aspects of advertising and promotion, and application of effective procedures. Prerequisites: Business Administration 206; junior or senior status.

310 Intermediate Accounting (3)

Analysis of financial accounting theory and current practice. Analysis of problems concerning valuation of assets, evaluation of liabilities and capital structure, communication and reporting of financial information. Prerequisite: Business Administration 202.

311 Intermediate Accounting (3)

Continuation of Business Administration 310, includes special financial reports and financial analysis.

312 Advanced Accounting (3)

A comprehensive study of accounting problems of partnerships, consolidations, branch operations, bankruptcies, estates, trusts, etc. Prerequisite: Business Administration 202.

313 Cost Accounting (3)

A study of measurement and evaluation of production costs, including job order costing, process costing, standard costing, quantitative methods of costing. Prerequisite: Business Administration 202.

314 Auditing (3)

A working knowledge of principles and procedures of professional auditing and accounting with special emphasis on A.I.C.P.A. standards, and on professional ethics. Prerequisites: Business Administration 311, 312.

315 Federal Income Tax (3)

A study of federal income tax regulations and forms, based on the Internal Revenue Code, with primary emphasis on tax problems for the individual. Prerequisite: Business Administration 201 or Business Education 203, or permission of instructor.

325 Corporation Finance (3)

An analysis of the financial structure and problems of the corporation, with emphasis on financial planning, analysis and control; includes discussion of a variety of financial assets, as well as the impact of inflation and interest rates on financial decision making. Prerequisites: Business Administration 202; Economics 202.

326 Investments Management (3)

The study of all types of investments with primary emphasis on stocks, bonds, and related securities. Includes a discussion of the function of securities markets and institutions, and portfolio management. Prerequisite: Business Administration 325 or permission of instructor.

330 International Business (3)

A study of the special problems involved in doing business across national boundaries, with emphasis on the economic basis for trade, and the impact of religious, cultural and political environments on business practice. Includes an evaluation of the management, marketing, and financial practices of multinational corporations from a Christian perspective. (Credit will be granted for either this course or the International Marketing course taught in the Netherlands—but not both.) Prerequisites: Business Administration 206; Economics 202; junior or senior status.

341-348 Special Topics (3)

Courses on different topics, designed to be special interest courses, utilizing individual instructor strengths, interests, and competencies. Each course selected will involve a topic not usually treated in depth in regularly scheduled courses.

351 Senior Business Seminar (3)

An integration of departmental courses involving student research and analysis on current topics in business and economics, with primary emphasis on Christian perspectives for the businessman. Required of all senior students in business administration.

371-373 Business Administration Practicum (3-9)

A course intended to provide the Business Administration major the opportunity to apply the knowledge, principles, and skills gained in the classroom in an actual business environment. Prerequisite: completion of 12 or more courses in the major area.

375-377 Accounting Practicum (3-9)

A course intended to provide the Accounting major the opportunity to apply the knowledge, principles, and skills gained in the classroom in an actual accounting environment. Prerequisite: completion of 12 or more courses in the major area.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Business Administration 391.

Business Education

Teaching Major –
(Secondary)

Business Administration 201, 202, 301, 302, 351; Business Education 105, 112, 113, 321; three elective courses from business administration and/or from business education; Economics 201, 202; one elective course in economics.

Approval Areas

35 – Accounting

36 – Business Law

37 – Basic Business

39 – Typewriting

101 – Office Skills

38 – Shorthand (if advanced course is included)

Teaching Minor –
(Secondary)

Alternative I

Business Administration 201, 202, 301, 302; Business Education 112, 113; Economics 201, 202.

Approval Areas

35 – Accounting

36 – Business Law

37 – Basic Business

39 – Typewriting

Teaching Minor –
(Secondary)

Alternative II

Business Administration 201, 202; Business Education 105, 112, 113, 211, 212, 323.

Approval Areas

35 – Accounting

37 – Basic Business

38 – Shorthand

39 – Typewriting

101 – Office Skills

Area of Concentration (Associate of Arts)

Secretarial Science: Business Education 105, 112, 113, 321, 322, 323; Business Education 211 and 212 or Computer Science 120 and 201;

Business Administration 101; Business Education 203 or Business Administration 201; one course from Business Education 211, 324, Business Administration 202, 301, 315, Computer Science 101, 102, 103 111, Economics 200; Communications 110. (General Education Requirements must be met by the following specific courses: English 101; English 200.)

Note: Medical Emphasis Option includes Biology 201, 202 and Business Education 324.

105 Calculating Machines/Records Management (3)

The development of job-level skill in the operation of the electronic calculator emphasizing the application to the solution of typical problems in business math. Includes an overview of the records control field—the structure of various filing systems and procedures (with practical applications), storage and retrieval systems, and equipment used in records control. (Open only to majors in Business Education and to students in the Associate of Arts program in Secretarial Science.)

112 Typewriting II (3)

Development of accuracy and speed. Application of skill to more complex tabulations, correspondence, reports, business forms, and composition at the typewriter. This course may be waived by passing a proficiency examination administered by the Business Education Department. For students who have had no previous typewriting training, arrangements can be made by the department for basic keyboard instruction. (Open only to majors in Business Education and to students in the Associate of Arts program in Secretarial Science and Data Processing.)

113 Typewriting III (3)

Development of skill to production level. Emphasis upon office-type work assignments with evaluation based upon high-level office standards of production. Prerequisite: Business Education 112 or equivalent.

203 Introduction to Accounting (3)

A one semester terminal course in accounting to provide exposure to basic accounting records and reports as to content and value for management. Designed for Secretarial Science students. Students who wish to complete additional accounting courses must begin with Business Administration 201.

211 Shorthand I (3)

A study of Gregg shorthand theory, including the shorthand alphabet, brief forms, principles of reading and writing shorthand, and taking dictation. (Open only to majors in Business Education and to students in the Associate of Arts program in Secretarial Science.)

212 Shorthand II (3)

A review of Gregg shorthand theory, building increased speed on new-matter dictation, and transcription skill development in the production of mailable copy; language arts skills necessary for transcription are also emphasized.

321 Office Procedures and Administration (3)

A study of procedures and duties essential to the efficient administration of an office by an executive secretary, including receiving, transmitting, duplicating, storing and retrieving business information, composing business letters, reports and memoranda. Prerequisite or corequisite: Business Education 112.

322 Advanced Secretarial Procedures and Communications (3)

A continuation of Business Education 321, with emphasis in human relations in communication, taking and giving dictation, financial and legal aspects of secretarial work, administrative and supervisory opportunities for the secretary, and general development of skills and secretarial ethics for the high-level secretary. Prerequisite: Business Education 321.

323 Automated Word Processing (3)

Identifying the changes made in the traditional office effected by word processing procedures and equipment. An introduction to the production of typewritten communications at top speed with maximum accuracy, minimum effort, and lowest cost, through the combined use of proper procedures and modern word processing equipment. Prerequisite: Business Education 112.

324 Advanced Word Processing (3)

A continuation of Business Education 323. Course emphasis will center on the following three areas: advanced techniques, specialized applications (e.g. medical, legal), and microcomputer word processing and communications applications. Prerequisite: Business Education 323.

Chemistry

General Major— Chemistry 103, 104, 201, 202, 301, 302, 311, 391; two courses from Chemistry 205, 312, 321; Mathematics 112, 113; Physics 115, 116 or 125, 126.

Teaching Major—
(Secondary) Chemistry 103, 104, 201, 202, 205, 301, 302; one course from Chemistry 311, 312, 321, 391; Mathematics 112; Physics 115, 116.

Approval Areas

64—Chemistry

88—Physical Science (with Astronomy 121, 122; Geology 110 or Physical Science 201)

Teaching Minor—
(Secondary) Chemistry 103, 104, 201, 202, 311, 205 or 312.

Approval Area

64—Chemistry

101 General Chemistry (4)

A course in the basic concepts of general chemistry. Atomic structures and chemical bonding, states of matter, chemical reactions, solutions, rates of reactions and equilibria, acids and bases, and oxidation reactions will be studied. Three lectures and one laboratory period of three hours per week. The laboratory will be the same as Chemistry 103.

102 Organic and Biological Chemistry (4)

A continuation of Chemistry 101. Organic molecules and their functional groups, biomolecules and their function in living cells will be studied. Three lectures and one laboratory period of three hours per week. The laboratory will include experiments in organic and biological chemistry.

103 General and Analytical Chemistry (4)

A course in the fundamental principles of chemistry. The laboratory consists of problems in quantitative analysis with both wet procedures and elementary instrumental procedures used. The intent of the laboratory part of the course is to prepare students who will either take more chemistry courses or upon completion of the course will work in a laboratory where analytical techniques are required. Three lectures and one laboratory period of three hours per week.

104 General and Analytical Chemistry (4)

A continuation of Chemistry 103.

201 Organic Chemistry (4)

A study of the chemistry of the hydrocarbons, including aliphatic, cyclic, and aromatic. An introduction to organic reaction mechanisms. Three lectures and one laboratory period of three hours per week. Prerequisite: Chemistry 104.

202 Organic Chemistry (4)

A study of the various organic functional groups. The study of organic reaction mechanisms is continued. Three lectures and one laboratory period of three hours per week. Prerequisite: Chemistry 201.

203 Introduction to Theoretical Chemistry (3)

The course will cover, on an elementary level: surface chemistry; radioactivity and its uses; aqueous solutions, with emphasis on pH and buffers; and elementary thermochemistry. The course is intended for those in disciplines in which chemical principles are used, especially in the life and health sciences. Prerequisite: Chemistry 104.

205 Biochemistry (3)

An introduction to the chemistry of living systems. Some topics discussed include: pH and buffers, carbohydrates, lipids, proteins, nucleic acids, and enzymes. This knowledge is then applied to a study of the metabolism of the major cell constituents and integrated through a consideration of the interrelations among the carbon, nitrogen and energy cycles. Three lectures per week. Prerequisite: Chemistry 202.

301 Physical Chemistry (4)

An introduction to thermodynamics with application to physical and chemical systems. This introduction includes a study of solution chemistry. Three lectures and one laboratory period per week. Open only to juniors and seniors. Prerequisites: Chemistry 103; Physics 115 or 125; Mathematics 112.

302 Physical Chemistry (4)

A continuation of Chemistry 301, quantum mechanics and kinetics. Three lectures and one laboratory period per week.

311 Advanced Inorganic Chemistry (3)

A survey of the chemistry of the elements based on the physical principles underlying the periodic arrangement of the elements. Three lectures per week. Prerequisite: Chemistry 104.

312 Instrumental Analysis (3)

Optical, electrical, and chromatographic methods of quantitative analysis and theoretical study. Two hours of lecture and one laboratory period per week. Prerequisite: Chemistry 104 or permission.

321 Advanced Organic Chemistry (3)

Advanced topics in organic chemistry, with an emphasis in reaction mechanism, kinetics, and other currently active areas of organic chemistry. Intended primarily for chemistry majors. Three lectures per week. Prerequisite: Chemistry 202.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Chemistry 391.

Classical Studies

General Major— Greek 201, 202, 301, 302; one elective course in Greek; History 203, 204, 205, 206; Philosophy, 301, 302.

Communication/Speech

General Majors—Communication: Communication 201, 220, 222, 228, 240, 241, 301, 313 or 315; three electives from communication courses numbered 200 or above.
Journalism emphasis: Communication 201, 220, 222, 240, 241, 242, 250, 301, 245 or 302, 313.

Radio/Television emphasis: Communication 201, 222, 240, 241, 245, 250, 258, 301, 313 or 315, 352.

Speech: Communication 201, 212, 220, 222, 311, 313, 315; three electives from communication courses numbered 200 or above.

Teaching Major-
(Secondary)

Speech: Communication 201, 212, 220, 222, 240, 311, 315; Theatre Arts 201; three elective courses from Communication 228, 250, 258, 312, 313, 341-348, 352, 391, 392, Theatre Arts 202, 203, 310, 340 (no more than two courses selected from theatre arts).

Approval Area

46-Speech

Teaching Minors—

(Secondary)

Journalism: Communication 240, 241, 242, 301, 302; two courses from Communication 201, 220, 222, 245, 250, 313, 315, English 304.

Approval Area

47—Journalism

Speech: Communication 201, 212, 220, 311, 315; two courses from Communication 222, 228, 240, 250, 258, 312, 313, 341-348, 352, 391, 392, Theatre Arts 201.

Approval Area

46—Speech

041-048 Student Publications Production (1)

Open to all who work on student publications— who submit, in advance, a learning activities contract listing the types of projects and learning experiences in which they will participate. (Graded on a P/No record basis.)

110 Fundamentals of Speaking and Listening (3)

The study of the basic concepts and designs of public speaking such as organization, style, content, and delivery. An important part of the course will concentrate on listening concepts and abilities. This course emphasizes the presentation of speeches and exercises in listening.

201 Principles of Communication (3)

A course designed to introduce the beginning communication student to some of the basic principles and thought in the study of communication such as communication models, variables, symbols, perception, intrapersonal communication, and semantic problems.

212 Oral Interpretation (3)

This course seeks to give students practice in the analysis and presentation of the various types of prose and poetry including the reading of the Holy Scriptures. An introduction to reader's theatre and choral reading will be presented.

220 Small Group Discussion and Communication (3)

Theory and practice of group problem-solving in cooperative face to face discussion; the development of awareness and understanding of group dynamics and the presentation of panels, symposiums, and dialogues.

222 Interpersonal Communication (3)

The study of concepts, problems, and responsibilities in personal communication between individuals, such as, conversation and informal discussions, with consideration of status, power, trust and other variables.

228 Organizational Communication (3)

The analysis of formal and informal communication in such organizations as corporations and institutions. Included will be considerations of communication problems related to grapevine, rumor, channels, perception, power, status, roles, structures, etc.

240 Introduction to Mass Communication (3)

This course is an introduction to the concept of mass communication and its application to electronic and written media. The course will survey the historical development of the technology, effects, and theory of the media through major issues.

241 Basic News Reporting (3)

An introduction to press and broadcast media news writing. The course includes extensive writing of many types of news stories for both written and broadcast media. It uses the DIAMOND as its laboratory. It stresses the Christian perspective in news coverage and writing.

242 Newspaper Writing, Design and Layout (4)

A continuation of Communication 241. Students will learn interviewing, in-depth reporting, critical and feature writing. Magazine writing and production will be introduced. Students will practice style, headlines, etc., using the DIAMOND as laboratory. Prerequisites: Communication 241 and a satisfactory grammar score.

243 Journalism Production (3)

A three-semester sequence in journalism production based upon working on the DIAMOND. The course will be designed for each individual, and learning contract requirements will be met by three enrollments, normally in three consecutive semesters. Prerequisite: Communication 241 or two units of Communication 041-048.

245 Broadcast Journalism (3)

This course focuses on journalism for radio and television. It deals with gathering, writing, editing, and presenting broadcast news. Issues relative to these processes are analyzed from a Christian perspective. Prerequisites: Communication 240, 241.

250 Introduction to Broadcasting (3)

This course provides an introductory exploration into the world of radio and television as communication media. Through a lecture-discussion format, the student is introduced to the complexities of sight and sound broadcasting and the electronic media's impact on society. Special emphasis is given to broadcasting in the United States with some overview of broadcasting in other countries. This course is designed as a practical, non-theoretical, non-philosophical approach to broadcasting.

258 Broadcast Announcing

A practical, introductory course in communicating to a broadcast audience through careful use of pronunciation, articulation, diction, and microphone technique. Exercises will include various types of broadcast speaking such as commercials, news, and music programs. Prerequisite: Communication 250.

301 Advanced Expository Writing I (3)

This course is designed to help the person who has trouble getting started writing and the person who feels his prose too wordy, too abstract, or too dead. In other words, the course will stress writing and rewriting, vision and revision. It will be geared for all students, regardless of their major. We will study how to use description, narration, and analogy to aid in exposition, how to describe a process, how to compare and contrast, how to classify. There will also be assignments in analysis, inductive writing, deductive writing, and in definition.

302 Advanced Expository Writing II (3)

This course will get at some of the same principles as Communication 301, but will make more use of prose models. Students will work on clarifying the writer's stance, establishing the writer's tone, and gaining force by way of syntax.

311 Advanced Public Speaking (3)

An emphasis upon proper speech construction, and delivery with application of communication concepts. Includes analysis of some public addresses. Prerequisite: Communication 110 or consent of instructor.

312 Ensemble Interpretation (3)

Development and presentation of dramatic production which include pieces of poetry, prose, and drama. Utilization of props, lights, sound effects, and slide projections. Emphasis on developing original scripts comprised of pieces written by Christians. Prerequisite: Communication 212.

313 Persuasion (3)

The analysis and study of modern research regarding various types of persuasive appeals and of theories of persuasion with particular emphasis upon Christian theory and ethics.

315 Argumentation (3)

Basic principles of argumentation and their application in debate. Consideration of analysis of issues, evidence and reasoning, refutation, ethics, and various types of debate.

341-348 Special Topics (3)

This course will consist of topics not normally covered in other communication courses. Specially designed to focus on more specific topics utilizing instructor strengths and consideration of student needs.

352 Radio Production (3)

Training in equipment use and control room procedures; uses and functions of microphones and video tape recorders. Classroom and studio instruction in radio programming and production skills. Prerequisite: Communication 250.

371-373 Communication Internship (3-9)

A supervised work experience designed to provide the student with the opportunity to apply principles and skills gained through course work. Open to qualified juniors and seniors.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Communication 391.

Computer Science

General Major— Computer Science 111, 112, 120, 201, 202, 205, 208, 301; Mathematics 112, 113, 212; three mathematics courses from 203, 204, 206, 209, 304; Engineering 204.

Area of Concentration (Associate of Arts)

Data Processing: Computer Science 101, 111, 115, 120, 201; Mathematics 107; Business Administration 201; Business Education 112, 321, 323.

101 Introduction to Computing (3)

This course deals with the use of computers in society. Topics include computer design and use, simple BASIC programs, and applications programs in word processing, data management, statistics, and graphics. Discussion and study will also deal with developing proper attitudes and perspectives toward computing technology. (Note: no two of Computer Science 101, 102, and 103 may be taken for credit.)

102 Programming for the Natural Sciences (3)

An introduction to the methods and nature of problem solving and computer programming in the natural sciences using BASIC and FORTRAN programming languages. (Note: no two of Computer Science 101, 102, and 103 may be taken for credit.)

103 Programming in Basic (3)

This course is an introduction to the methods and nature of problem solving using the BASIC programming language. Data management, graphics, and file development are introduced along with proper programming practice and methods. The history of the development of computers and the impact of computer technology on society are included as elements of this course. (Note: no two of Computer Science 101, 102, and 103 may be taken for credit.)

111 Structured Programming I (3)

An introduction to systematic and analytical methods of problem solving. Three basic phases of problem solving are emphasized: the analysis of the problem; the stepwise refinement of the algorithm; and the implementation in a computer language. Basic notions of computer programming, elementary composition principles, and the fundamental data structures are introduced.

112 Structured Programming II (3)

A continuation of Computer Science 111. Advanced programming and problem solving methods are introduced. The topics include string manipulation, linked lists, file handling, recursion, program modularity and programming style. Prerequisite: Computer Science 111.

115 Programming for Business (3)

An introduction to COBOL computer language, and programming in this language. Topics include file development and maintenance with emphasis on business applications. Prerequisite: Computer Science 111.

120 Information Systems Design (3)

An introduction to the nature of information systems; the conceptual foundations and use of such systems. Topics include information system planning, system flowcharts, input/output design and data dictionaries. Prerequisite: Computer Science 102 or 111.

201 Database Systems Design (3)

A study of the design, development and implementation of an information system for management. Topics include database architecture, data file construction, data file maintenance and linkage, and report generation. Prerequisite: Computer Science 120.

202 Data Structures (3)

A study of the various types of information forms handled by a computer. This includes the format of data and how data is manipulated. Prerequisites: Computer Science 112 or 115; Mathematics 112.

205 Computer Architecture and Assembly Language Programming (3)

The topics of this course cover the design of a computer, how data is converted and represented, CPU organization, addressing, relocatability, use of base registers, operating systems, decimal arithmetic and programming in machine language. Prerequisite: Computer Science 102 or 111 or permission of instructor.

208 Programming Language Concepts (3)

A study of syntax and design of programming languages, programming language structures, structured programming and recursive programming. Prerequisite: Computer Science 112 or permission of instructor.

210 Information Systems for Decision Support (3)

A study of decision support systems for organization planning and management. Topics include modeling and simulation methods for problem solving and decision making. Prerequisite: Computer Science 201.

301 Computer Technology and Society (3)

An examination and critique of the relationship of technology to other areas of Western society. During the first half of the course a Christian philosophy of technology is carefully studied and application is made to such problems as the role of the computer, technocracy, and the historical two-culture dualism. During the second half, the course focuses on the question of engineering ethics, with particular emphasis on such questions as safety and risk, professional responsibility and authority, whistleblowing, responsible salary structures, and morality in career choice. This course requires the student to write and present orally a significant research paper. Open to juniors and seniors who have taken Philosophy 201 and at least two 200 level Computer Science courses.

341-348 Special Topics (3)

These computer science courses cover different topics which maximize individual instructor strengths, interests, and competencies. Each course will deal with a topic in computer science not usually treated to any great extent in regularly scheduled courses.

371 Practicum (3)

Students will be given opportunity to apply the principles of Management Information Systems in an on-campus or off-campus assignment. Prerequisites: Computer Science 210, senior status.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Computer Science 391.

Dutch

General Major— Dutch 201, 202, 206, 302; Linguistics 201; five courses from Dutch 101, 102, 207, 208, 301, 341-348, 391, 392; four semesters of Dutch conversation 251-258. Study abroad courses are recommended.

101 Elementary Dutch (4)

Emphasis on the basic structure of the language, core vocabulary, and pronunciation. Assigned work in the language laboratory.

102 Elementary Dutch (3)

Continuation of 101. Prerequisite: Dutch 101 or its equivalent.

104 Elementary Dutch (3)

A course intended to serve students who already have some conversational ability, but lack the grammar. The course covers the same content as Dutch 101 and 102, but is taught in an accelerated manner.

201 Intermediate Dutch (3)

A review of the grammatical structure of Dutch, with an emphasis on the nature of language. Attention is given to listening, speaking, reading, and writing skills, vocabulary, and culture. Prerequisites: two years of high school Dutch, Dutch 102 or Dutch 104.

202 Literary and Cultural Readings (3)

This course is designed to develop the reading skill and an appreciation for Dutch culture and literature. Emphasis upon contemporary literature. Permission will be granted for individual readings in academic areas of interest to the student. Prerequisite: Dutch 201 or departmental approval.

206 Dutch Culture (3)

This course is designed to cover many aspects of the Dutch way of life. There will be an emphasis on listening and speaking skills. Prerequisite: Dutch 201 or departmental approval.

207 World Literature (3)

See English 207. Students who wish this course to be listed as a Dutch course will be assigned their paper based on Dutch readings.

208 World Literature (3)

See English 208. Students who wish this course to be listed as a Dutch course will be assigned their paper based on Dutch readings.

251-258 Conversation (1)

A conversation course will be offered each year. The course is designed to give the student practice in listening and speaking. The content of the course will be altered each year. The class will meet two times each week; one hour of preparation per week. Prerequisite: Dutch 102.

301 Dutch Phonology (3)

See Linguistics 301. The principles and universals of phonology will be studied. A direct application will be made to the Dutch language.

302 Advanced Dutch Grammar (3)

This course is designed for those who desire a better understanding of the structure of the language. The scope of grammar will be approached systematically. Prerequisite: Dutch 201 or its equivalent.

341-348 Special Topics (3)

The topics for these courses will be chosen from the areas of literature, advanced language studies, culture, or teaching methods. The offering of the courses as well as the content will reflect student interest and need. Prerequisite: departmental approval.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Dutch 391.

Earth Science

Teaching Minor—

(Secondary)

Astronomy 121; Chemistry 101, 102; Geology 110, 200; one course from astronomy or Environmental Studies 151.

Approval Area

89—Earth Science

Economics

Teaching Minor—
(Secondary)

Business Administration 201, 202, 301, 302; Economics 201, 202; two courses from Economics 303, 305, 309, 315.

Approval Areas

35—Accounting

36—Business Law

37—Basic Business

69—Economics

200 **Economics and Christian Stewardship (3)**

This course seeks to expose students who are **not** majoring in Business Administration, Business Education or Accounting to a wide variety of principles, policies, institutions and problems within the field of economics. It includes the discussion of concepts such as property, value, work, wages, prices, profits, Christian stewardship in the marketplace and comparative economic systems. Credit will not be given for both Economics 200 and Economics 201 or 202.

201 **Principles of Economics: Macro (3)**

An introduction to the study of human choice in the allocation of scarce resources, concentrating on the aggregate or national level. Economic systems, national income accounts and analysis, income distribution, fiscal and monetary policy, banking systems, economic growth, and selected economic policy problems are covered. Christian views on the origin and nature of economic resources and man's stewardship responsibilities.

202 **Principles of Economics: Micro (3)**

The study of allocation of scarce resources at the level of the individual, the household and the firm. Included are human motivation and preferences, the market, the function of prices, supply, demand, perfect and imperfect competition, selected policy questions. Also studied are Christian views on the nature of humanity, human motivation, and the market.

303 **Money and Banking (3)**

An analysis of the nature and function of money, the operation of the financial system, the organization of commercial banking, and the Federal Reserve System. Also included is a study of the principles of monetary policy and their application in our economy. Prerequisites: Economics 201, 202.

305 **Labor Economics (3)**

A study of the labor force and market, organized labor, collective bargaining, labor legislation, and regulatory institutions. Christian views on the responsibilities of labor and management are studied as well as Christian norms on appropriate labor policies. Prerequisite: Economics 202.

309 **Economic History of the United States (3)**

A history of the development of the United States from the economic point of view. Also studied are the economic causes and effects of major historical events, with contemporary economic thought. Prerequisite: Economics 202 or permission of instructor.

315 **Government Finance (3)**

This course covers government taxing and spending at the local, state, and federal levels. Christian and secular views on governmental economic activity, benefit-cost analysis, forms of taxation and their effects, debt financing, budget processes and problems are studied. Prerequisite: Economics 201.

Education

Students may prepare for teaching in the Elementary or in the Secondary school. To be eligible for recommendation for certification students must be admitted to the Teacher Education Program and must complete the requirements for the Bachelor of Arts Degree in Elementary Education or in Secondary Education. For information on requirements for admission to the Teacher Education Program, see the section of the catalog entitled TEACHER EDUCATION PROGRAM.

Elementary Education – Teaching Minors

1. **ART** (Approval Area 34)
Art 201, 202; one course selected from Art 207, 208; one course selected from Art 216, 218, 220, 225, 228, 230; three courses selected from Art 200 or above.
2. **BIOLOGY** (Approval Area 63)
Biology 115, 122, 200, 213; two selected courses in biology numbered 200 or above.
3. **CHEMISTRY** (Approval Area 64)
Chemistry 103, 104, 201, 202, 311; one course selected from Chemistry 205, 312.
4. **COMMUNICATION-JOURNALISM** (Approval Area 47)
Communication 240, 241, 242, 301, 302; two courses selected from Communication 201, 220, 222, 243, 250, 313, 391, English 304.
5. **COMMUNICATION-SPEECH** (Approval Area 46)
Communication 212, 220, 311, 312, 315; Education 232, 262.
6. **ECONOMICS** (Approval Areas-Accounting 35, Business Law 36, Economics 69, Basic Business 37)
Business Administration 201, 202, 301, 302; Economics 201, 202; two selected courses from Economics 303, 305, 309, 315.
7. **ENGLISH** (Approval Area 45)
English 200, 201, 202, 336; one course selected from English 301, 302; one course selected from English 312, 314, 315, 316; two courses selected beyond the English 200 level, or one upper level English course and either Theatre Arts 364 or 365.
8. **ENGLISH AS A SECOND LANGUAGE (ESL)** (No Approval Area)
Linguistics 201, 301, 371; English 336; Education 355; Foreign Language 201; one course from Foreign Language 202, 206; two semesters of foreign language conversation 251-258.
9. **GENERAL SCIENCE** (Approval Area 65)
Biology 101 and 102 (or Biology 115 and 122, recommended), 200; Physical Science 201; two courses selected from astronomy, chemistry, physics, physical science; two courses from any science.
10. **GERMAN** (Approval Area 55)
German 201, 202, 206, 301, 302; one course selected from German 102, 341-348, 391; two semesters of German conversation 251-258. Study abroad courses are recommended.
11. **HISTORY** (Approval Areas 72 and 73)
History 100, 200, 201, 202; two 300-level American History courses; two selected courses from History 203, 205, 207, 209, 210, 211, 215, 303, 307, 341-348.
12. **LANGUAGE ARTS** (No Approval Area)
Education 205 or 206/326, 232, 262; English 336; three courses selected from English 201, 202, 221, 222, Communication 212, 220, Linguistics 201.

13. **MATHEMATICS** (Approval Area 58)
Mathematics 107, 109, 112, 207, 208, 210; one course from computer science. (Mathematics 110 must also be taken if the student has had fewer than four years of high school mathematics.)
14. **MUSIC** (Approval Area 60)
Music 103, 104, 308, 312, 315, 323; three courses selected from Music 203, 204, 207, 208, 210, 211, 212, 305, 307; two semesters from Music 316-319.
15. **PHYSICAL EDUCATION** (Approval Area 62) (Coaching Endorsement 55)
Physical Education 10, 25, 201, 203, 204, 205, 207, 212, 304, 305; three activities selected from Physical Education 11-28.
16. **PHYSICAL SCIENCE** (Approval Area 88)
Astronomy 121, 122; Chemistry 103, 104; Physics 125, 126; Astronomy 110 or Physical Science 201; one course selected from Chemistry 201, 202, 203, 301, 302, 311, 312, Physics 206, 215, 216.
17. **PHYSICS** (Approval Area 66)
Physics 115, 116, 206, 215, 216; one course selected from astronomy or physics.
18. **POLITICAL SCIENCE** (Approval Area 71)
Political Science 201, 212, 214, 220, 222; two courses from Political Science 233, 310, 311, 312.
19. **PSYCHOLOGY** (Approval Area 87)
Psychology 201, 205, 210, 302; two courses from Psychology 225, 303, 315; one additional course in psychology.
20. **READING** (Approval Area 91)
Education 205, 303, 323, 324, 327; Linguistics 201, 301.
21. **SOCIAL SCIENCE** (No Approval Area)
Geography 201; Sociology 201; Sociology 215 or 216; two history courses other than History 100; three courses selected from Economics 201, 202, Political Science 201, 212.
22. **SOCIOLOGY** (Approval Area 74)
Sociology 201, 207, 210; Sociology 215 or 216; three courses selected from Sociology and/or Social Work 225, 303, 304.
23. **SPANISH** (Approval Area 57)
Spanish 201, 202, 206, 301, 302; one course selected from Spanish 102, 341-348, 391; two semesters of Spanish conversation 251-258. Study abroad courses are recommended.
24. **SPECIAL EDUCATION I** (No Approval Area)
Education 301, 302, 303, 304, 305, 306; one course from Psychology 205, 225, 302.
25. **SPECIAL EDUCATION II** (Approval Area 81: Mentally Handicapped)
Education 301, 302, 303, 304, 305, 306, 309, 327, 376; Psychology 205. Students selecting this minor must be carefully advised of course sequencing. Extra course work beyond the typical four-year program is required and students should plan an additional semester or summer.
26. **THEATRE ARTS** (No Approval Area)
Theatre Arts 201, 202; Education 262; one course selected from Theatre Arts 207, 208; one course selected from Theatre Arts 371, 373, 377; two courses selected from Communication 110, 212, 220, 313, Theatre Arts 203, 340; two units selected from Theatre Arts 014-051.
27. **THEOLOGY** (No Approval Area)
Two courses from Theology 201, 202, 204; Theology 210; four courses selected from theology other than Theology 101.

Associate of Arts – Areas of Concentration

EARLY CHILDHOOD EDUCATION

Education 105, 201, 202, 203, 301; Communication 110; Psychology 205; two Physical Education activities; four courses selected from Education 205, 211, 215, 221/223, 232, 262, 322, Mathematics 109, Geography 201, Physical Education 207; one additional elective.

SPECIAL EDUCATION AIDE

Education 201, 202, 301, 302, 304, 305, 306; Communication 110; Psychology 205; two Physical Education activities; one course from Education 105, 205, 211, 215, 221/223, 232, 262, 322, Mathematics 109, Geography 201, Physical Education 207; one additional elective.

TEACHER AIDE

Education 105, 201, 202, 301; Communication 110; Psychology 205; two Physical Education activities; five courses from Education 205, 211, 215, 221/223, 232, 262, 322, Mathematics 109, Geography 201, Physical Education 207; one additional elective.

The General Education Requirements for ~~all three~~ programs include Physical Education 10, General Studies 10, computer literacy, and eight courses, four of which must be English 101, Philosophy 201, Psychology 201, and Theology 101.

105 Elementary School Health and Physical Education (3)

Provides general background and information needed for formulating and teaching a suitable program in health and physical education for elementary school children.

201 Introduction to Education (3)

An introduction and orientation to the teaching professions and to Dordt's Teacher Education Program. Consideration is given to formulating a Christian profession of education as well as investigating the contemporary scene with its historical antecedents. Human relations, career education, curriculum planning, basic pedagogical approaches, and teaching as a profession are covered.

202 Practicum in Education (3)

Provides an early in-depth experience in a school environment, a study of tests and measurements, and a study of audiovisual media and microcomputer as effective means for achieving educational objectives. Emphasis is on the use of equipment and the development of materials. Students must supply materials that are available at the bookstore.

203 Organization and Management of a Preschool Program (3)

A course designed to introduce students to the basic elements of a preschool program: curriculum, facilities, equipment, financial planning, record-keeping, and the roles of both professional and paraprofessional personnel in preschool settings. Part of the course is a practicum experience. Registration is limited to students in the Associate of Arts Program in Early Childhood Education.

205 Children's Reading Material (3)

A reading and examination of a wide selection of children's books and magazines useful in enriching the subject areas of the elementary school curriculum and in providing good reading habits. Criteria for judging such material is considered and practice in storytelling is provided.

206 Adolescent Reading Interests (2)

Reading and examination of a selection of books that could be used on the junior and senior high school levels with criteria for judging such materials. An introduction to different approaches for outside and in-class reading, and the planning of a thematic unit on the adolescent level. Paired with Education 326 to comprise a one-course equivalent.

211 Art for the Elementary Teacher (3)

Methods and techniques of organizing and motivating art instruction for elementary school children. Creative work with material for the young child: crayon, cut paper, water color, and poster paint. Open only to juniors and seniors.

215 Educational Psychology (3)

An application of psychology to the educational environment. Includes units of study on cognitive and affective development, on learning theories and their application to teaching, on teaching exceptional children, on classroom management, and on human relations. Prerequisite: Psychology 201.

221 Teaching Social Studies in the Elementary School (2)

An introduction to a basic framework for social studies and to the use of an inquiry approach to teaching the basic concepts and skills of social studies. The focus is on selected strategies of teaching, unit planning, understanding maps and globes, and curriculum materials. Paired with Education 223 to comprise a one-course equivalent.

223 Teaching Bible in the Elementary School (2)

A course designed to discuss the role of Bible in the Christian school, to examine curriculum materials available for the teaching of Bible on the elementary level, to develop pedagogical skills for teaching Bible, and to involve students in the designing of their own curriculum materials for teaching Bible. Paired with Education 221 to comprise a one-course equivalent.

232 Interpersonal Communication for the Elementary Teacher (3)

Major emphasis is placed upon communication between student and teacher with attention given to the development of a speech model on the part of the teacher. Linguistics 201 is recommended. Open only to juniors and seniors.

262 Creative Dramatics for Children (3)

An introduction to informal dramatics for the classroom, especially elementary and junior high. Emphasis on dramatic activity requiring minimal equipment and facilities. Field experience required in area schools.

301 Introduction to Exceptional Individuals (3)

A study of the various categories of exceptionalities. This course will examine the education, sociological and philosophical implications of being exceptional. Emphasis will be placed on implications for teachers and classrooms.

302 Introduction to Mental Retardation (3)

A study of classification, etiology, and diagnosis of the mentally retarded with emphasis upon the educational implications, programming, special teaching procedures, and life adjustment for the mentally retarded. Prerequisite: Education 301.

303 Introduction to Learning Disabilities (3)

An introduction to the area of learning disabilities with an emphasis on the types of learning problems encountered in the regular classroom. Cause, diagnosis, and prescription constitute the body of this course. Prerequisite: Education 201 or Psychology 201.

304 Introduction to Behavior Disorders (3)

A course dealing with characteristics, causes, definitions and treatment of children considered to be behavior disordered. An examination of various theoretical approaches and strategies with an emphasis on implications for the regular class. Prerequisite: Education 201 or Psychology 201.

305 Methods and Materials for Mental Retardation (3)

A study of curriculum designs for individuals who are mentally handicapped. Specialized materials are examined. Emphasis is given to techniques of adapting general teaching principles and practices to meet the needs of the handicapped. Prerequisite: Education 302 or 303.

306 Assessment and Diagnosis in Special Education (3)

An introductory course in the use of assessment techniques in special education. This course will examine various formal and informal techniques and the use of these to identify and develop educational programs for exceptional students. Prerequisite: Education 301.

309 Supervised Practicum in Special Education (1)

A supervised field experience that will allow the student to aide/observe in a special education classroom. Students seeking a mental disabilities approval should complete this experience with mentally disabled students. Prerequisite or corequisite: Education 302.

- 311 Materials of Elementary Music Education (3)**
Provides background skills and materials necessary for the prospective elementary teacher. Not open to those majoring or minoring in music.
- 322 Teaching Arithmetic in the Elementary School (3)**
Mathematics for the student who plans to teach in the elementary school. Mathematics foundation, the number systems, and different methods of calculation are taught. Time is spent with methods, materials, goals, and means of evaluating the teaching of arithmetic.
- 323 Teaching Reading in the Elementary School (3)**
A course designed to cover basic principles involved in the teaching of reading, plus suggested techniques, approaches, and materials to be used in teaching reading in the elementary school.
- 324 Teaching Language Arts in the Elementary School (2)**
A basic course in the principles, techniques, materials, and methods of evaluating English grammar and composition, spelling, handwriting, listening, and speaking. Part of the professional semester and taken after student teaching.
- 325 Teaching Sciences in the Elementary School (2)**
A basic course in the principles and techniques of teaching the natural sciences. The primary focus is on the development of materials for use in the elementary science classroom. Part of the professional semester and taken after student teaching.
- 326 Reading in Content Areas (2)**
A study of ways in which materials and reading skills can be adapted to specific content areas in secondary education. Demonstrations are given of functional techniques for incorporating reading and study skills into subject matter instruction. Paired with Education 206 to comprise a one-course equivalent.
- 327 Diagnosis and Remediation of Reading Difficulties (3)**
A study of the causes of reading difficulties in the elementary and secondary school, their diagnosis and correction. Includes a practicum which will emphasize case study techniques involving administration of various formal and informal tests and the interpretation of the test results along with practice in applying remediation procedures. Prerequisite: Education 323 or 326.
- 330 Human Relations in Education (3)**
A course designed to develop an awareness of the responsibility of educators to establish educational programs that attempt to develop a sensitivity to and understanding of the different cultural/ethnic groups found in a pluralistic society. This course will include a history of the discrimination that many minority groups have encountered in North America and possible educational strategies for dealing with problems minority groups have encountered in the educational process.
- 350 Methods of Teaching Art (3)**
Methods and techniques of organizing and motivating art on the secondary school level. Media explored depends on the needs and interests of the class.
- 351 Methods of Teaching Biology (3)**
A review of recent trends in biology teaching. Use of audio-visual materials pertinent to biology, methods of evaluation, laboratory techniques, and textbook evaluations are included. Students give several class presentations and observe actual teaching situations.
- 352 Methods of Teaching Business Education (3)**
Examination of the role of business education in the curriculum and current concerns in business education. Study of methods and materials for courses in business education at the secondary and higher education levels.
- 353 Methods of Teaching Chemistry (3)**
A review of recent trends in chemistry teaching. Use of audio-visual materials pertinent to chemistry, methods of evaluation, laboratory techniques, and textbook evaluations are included. Students give several class presentations and observe actual teaching situations.

354 Methods of Teaching English (3)

Discussion of a Christian approach to the teaching of English. Methods and approaches to teaching literature, language, and composition, as well as micro-teaching in these areas. Attention is given to lesson, unit, course, and curriculum planning and to the use of audio-visual materials.

355 Methods of Teaching a Second Language (3)

Presentation of various methods of teaching a second language. This course will include teaching of listening, speaking, reading, and writing skills. Phonetics, morphology, syntax, meaning, vocabulary, culture, and literature will also be emphasized. A survey of ESL and foreign language materials will be included. Prerequisite: Linguistics 201 or departmental approval. (Offered alternate years.)

356 Methods of Teaching History (3)

Discussion of a Christian approach to the teaching of history. Emphasis is on current methods of teaching history and consideration of practical suggestions in classroom procedure.

357 Methods of Teaching Mathematics (3)

Methods of effective teaching of mathematics on the secondary level. Prospective teachers attain understanding of the basic mathematics taught at the secondary level.

358 Methods of Teaching Speech (3)

A study of the concerns of the speech teacher in the secondary school: developing speech courses, preparing objectives, constructing units, evaluating textbooks, and coaching and directing forensic activities. Previous experience or course work in oratory, oral interpretation, and debate is desirable. Students lacking this experience do additional study or reading.

359 Methods of Teaching Physics (3)

A review of recent trends in physics teaching. Use of audio-visual materials pertinent to physics, methods of evaluation, laboratory techniques, and textbook evaluations are included. Students give several class presentations and observe actual teaching situations.

364 Issues in Education (3)

Critical examination of contemporary problems and trends in education and discussion and critique of the effect of traditionally defined philosophies of education on the present educational system.

372 Student Teaching – Elementary (9)

Students work full days with qualified teachers in the elementary schools. Activities include observing, teaching and participating in the schools' activities. Prerequisites: requirements as stated in the TEACHER EDUCATION PROGRAM section of the catalog.

374 Student Teaching – Secondary (9)

Same as the above except that teaching is done in the secondary schools.

376 Student Teaching – Mental Disabilities: Elementary (6)

Students who have completed prescribed course work for the minor in special education as well as the major in elementary education, work full days with qualified teachers in special education. A seminar in counseling parents of exceptional children is included.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Education 391.

430 Human Relations in Education (3)

A course designed to develop an awareness of the responsibility of educators to establish educational programs that attempt to develop a sensitivity to and understanding of the different cultural/ethnic groups found in a pluralistic society. This course will include a history of the discrimination that many minority groups have encountered in North America and possible educational strategies for dealing with the problems minority groups have encountered in the educational process. (For graduates only.)

Elementary Education

Teaching Major— Education 105, 201, 202, 211, 215, 221, 223, 311, 322, 323, 324, 325, 364, 372; one elective selected from Communication 212, Education 205, 232, 262, 301, 302, 303, 330, 343, English 336, Geography 201, History 201, 202, Mathematics 109, Political Science 212, Psychology 205.

For complete listing of education courses by titles see the TEACHER EDUCATION PROGRAM section of the catalog.

Engineering, Electrical

Core (common to both emphases)—

Mathematics 112, 113, 201, 203, 204; Physics 125, 126, 215; Chemistry 103, 104; Computer Science 102; Economics 201; Engineering 101, 105, 202, 204, 205, 206, 207, 304, 305, 306, 326, 328, 362, 365, 390.

Electronics Emphasis—

Core; Engineering 360, 363.

Computer Emphasis—

Core; two advanced courses in computer science approved by the Engineering Department.

Engineering, Mechanical

General Major— Mathematics 112, 113, 201, 204; one course from Mathematics 203, 206, 209, 309, 311, 315; Physics 125, 126, 215; Chemistry 103, 104; Computer Science 102; Economics 201; Engineering 101, 105, 202, 206, 208, 209, 211, 212, 299, 300, 302, 303, 311, 312, 313, 320, 390.

Engineering Science

Core (common to all emphases)—

Mathematics 112, 113, 201, 204; one course from Mathematics 203, 206, 209, 309, 311, 315; Physics 125, 126, 215; Chemistry 103, 104; Computer Science 102; Economics 201; Engineering 101, 105, 202, 208, 209, 212, 390.

General Major—

Core; three engineering courses providing a coherent sequence as approved by the Engineering Department; three courses chosen from the natural sciences and having approval of the Engineering Department.

Agriculture Emphasis—

Core; Agriculture 101, 102, 201, 221; two elective courses in agriculture; three engineering courses providing a coherent sequence as approved by the Engineering Department.

Business Administration Emphasis—

Core; Business Administration 201, 202, 205, 313, 325; one elective course in business administration; Economics 202, 305; three engineering courses providing a coherent sequence as approved by the Engineering Department.

Chemistry Emphasis –

Core; Chemistry 201, 202, 301, 302, 311, 391; two courses from Chemistry 205, 312, 321; three engineering courses providing a coherent sequence as approved by the Engineering Department.

Computer Emphasis –

Core; Computer Science 111, 112, 202, 205, 208; Mathematics 212; four engineering courses providing a coherent sequence as approved by the Engineering Department.

Physics Emphasis –

Core; Chemistry 301; Physics 216, 335, 336; three courses from Physics 206, 325, 326, Chemistry 302; three engineering courses providing a coherent sequence as approved by the Engineering Department.

101 Engineering Drawing (3)

This course covers descriptive geometry (including orthographic projection and auxiliary views), isometric and oblique pictorials, sections, dimensions, tolerances as elements of working drawings, graphical analysis methods (including graphical calculus and nomography), and an introduction to computer graphics.

105 Engineering Principles (3)

An introductory course for freshmen students in engineering dealing with Christian perspectives of technology, the profession of engineering, engineering design, calculations and problem solving, as well as a review of basic principles of chemistry and physics.

202 Elements of Materials Science (3)

An introductory course in the chemistry and physics of engineering materials including crystalline, amorphous ceramic and polymeric materials. Introductory metallurgy includes examination of the effects of processing (heat treatment and manufacturing) and service environment on microstructure and properties. Prerequisite: Chemistry 104.

204 Introduction to Digital Circuits and Microprocessors (3)

A lecture and laboratory course covering basic digital building blocks (gates, decoders, latches, flip-flops, counters), digital coding, basic boolean algebra and truth tables, and microprocessor fundamentals (architecture, instruction set, operation and programming). The lab gives students practical experience using a modern microprocessor-breadboarding kit. This course is intended to serve computer science as well as engineering students. Two lectures and one laboratory period of three hours per week.

205 Circuit Analysis I (4)

This introductory class and laboratory course in linear DC/AC analysis deals with the basic laws governing electrical circuit behavior. Topics covered are: Kirchoffs voltage and current laws; node/loop analysis; network reduction theorems (Superposition Thevenin, maximum power transfer) with dependent/independent sources; transient analysis of RL, RC, RLC circuits; sinusoidal (steady state) response, phasor methods, impedance/admittance; power concepts: instantaneous, complex power, power factor; balanced 3-phase circuits, wye-delta connections, 3-phase power measurement. Laboratory work experimentally reinforces the lecture topics. Prerequisite: Mathematics 113.

206 Electronics I (4)

A basic electronic circuit design course intended to develop a student's ability to rapidly analyze the design of analog (and some digital) circuits using discrete and integrated circuit components. Familiarity with the basics of circuit analysis is assumed. The topics covered in detail are: operational amplifier applications and limitations; using op-amps and diodes; biasing, small signal models and applications of junction field effect transistors (JFETs), metal oxide semi-conductor field effect transistors (MOSFETs) and bipolar junction transistors (BJTs). Weekly laboratory periods stress practical design techniques and principles. Prerequisite: Physics 126.

207 Circuit Analysis II (4)

A study of circuit analysis techniques suitable for predicting the time and frequency domain performance of complex circuits. Topics covered in detail: complex frequency concept, series-parallel resonance, magnetically coupled circuits (mutual inductance), two-port networks, Fourier analysis, Fourier and Laplace transform techniques. Laboratory experiments focus on testing the new concepts. Prerequisites: Engineering 205; Mathematics 204.

208 Statics (3)

A first course in engineering mechanics which studies the equilibrium of forces and moments applied to particles and rigid body systems including trusses, frames and machines. Further topics include shear forces and bending moments in beams, friction, moments of inertia, and the principle of virtual work. Prerequisites: Mathematics 113; Physics 125.

209 Dynamics (3)

The second course in the engineering mechanics series. This course deals with analysis of the kinematics and kinetics of particles and rigid bodies in motion, including the work-energy method, the impulse-momentum method, and an introduction to vibration analysis. Prerequisite: Engineering 208.

210 Statics and Dynamics (4)

Includes in one semester much of the subject matter of Engineering 208 and 209, with the exception of the principle of virtual work and the introduction to vibration analysis. (Not offered in 1984-85.) Prerequisite: Mathematics 113.

211 Kinematics and Dynamics of Machinery (3)

A design oriented course covering theory of machines, and design and analysis of machine elements such as four-bar mechanisms, cams, gears, gear trains and planetary gear systems. The course makes heavy use of computer methods for both design and analysis techniques. Graphical methods are used to check on computer solutions. Prerequisite: Engineering 209.

212 Strength of Materials (3)

An analysis of the types of stress and deformation in materials. The course uses the methods of mechanics to examine the reactions of materials under a variety of loading conditions, including shear and bending in beams, torsion, and loading of columns. Theories of failure are introduced. Prerequisite: Engineering 209 or 210.

299 Thermodynamics I (3)

An introduction to thermodynamic principles including work, heat, properties of pure substances, the first and second laws, entropy, availability, and thermodynamic relations. Prerequisites: Physics 126; Mathematics 113.

300 Thermodynamics II (3)

Applied engineering thermodynamics: a study of power and refrigeration cycles, mixtures and solutions, chemical reactions, and some fluid flow applications. Prerequisite: Engineering 299.

301 Thermodynamics (3)

A one-semester course in thermodynamics fundamentals. Topics include work, heat, the first and second laws, entropy, power and refrigeration cycles, and air-water vapor mixtures. (Not offered in 1984-85.) Prerequisites: Mathematics 113; Physics 126.

302 Fluid Mechanics (3)

A comprehensive, introductory course in fluid mechanics covering hydrostatics; control volume approach to the continuity, momentum, and energy equations; dimensional analysis, similitude, and modeling; introductory boundary layer theory; fluid drag and lift; flow through conduits, pumps and compressors; and introductory compressible flow. Prerequisites: Mathematics 204; Physics 126.

303 Heat Transfer (3)

A study of the three modes of heat transfer: conduction, convection and radiation; with application to heat exchangers. Computer methods of solution are used extensively. Prerequisites: Engineering 302; Computer Science 102.

304 Microprocessor Interfacing (4)

This course deals with the task of interfacing the microcomputer to the physical devices it is meant to control. Topics include: studies of interface components and their characteristics, interfacing to standard buses peripherals, designing interface circuits, interface software design and implementation, analog to digital and digital to analog converters, along with associated laboratories to implement some of the designs discussed. Prerequisites: Engineering 204, 206.

305 Electronics II (4)

This second course in electronics covers the design and analysis of discrete and integrated circuits of varying complexity which perform a wide variety of functions in the area of signal and information processing. Major topics are: Bipolar and MOSFET transistor amplifiers, feedback principles, analog integrated circuits, filters and oscillators, logic circuit families, and memory circuits. A weekly laboratory will focus on practical design principles and techniques. Prerequisite: Engineering 206.

306 Electronics III (4)

This senior course in the electronics sequence will deal with large signal amplifier design, high frequency circuit design techniques, as well as state of the art issues in the field of electronics, both analog and digital. A significant design project will be assigned as the laboratory portion of the course. Prerequisite: Engineering 305.

311 Instrumentation and Analysis (4)

A laboratory and lecture course in instrumentation, measurements, and engineering analysis, primarily for mechanical engineering students. Programming and interfacing a microcomputer with such instruments as temperature transducers, flow meters, strain gages, and robotic manipulators are included. Prerequisites: Engineering 212, 302.

312 Mechanical Engineering Design Lab I (4)

This course combines a study of machine design (same as Engineering 315) with a three hour per week laboratory course for mechanical engineering students. The laboratory component emphasizes the primary areas of mechanical engineering: fluid flow, thermodynamics, heat transfer, strength of materials, metallurgy, and instrumentation. Prerequisites: Engineering 299, 302, 311; Corequisite: Engineering 320.

313 Mechanical Engineering Design Lab II (4)

This course combines a study of solar energy engineering (same as Engineering 350) with a three hour per week advanced laboratory project course. Prerequisite: Engineering 312.

315 Machine Design (3)

A senior level design course covering the fundamentals of mechanical design and the design of machine elements. The student is assumed to have a basic knowledge of statics, strength of materials, and kinematics of machine elements. The first half of the course is an in-depth analysis of stress, static strength and fatigue strength; while the second half of the course utilizes those analytical tools to establish design procedures for such machine elements as springs, screws and fasteners, bearings, gears, shafts, clutches, brakes and flexible drive elements. Prerequisites: Engineering 202, 211, 212.

320 Metallurgy (3)

The metallurgical fundamentals of structure at the grain, crystal and atomic levels are considered in relation to material behavior, including deformation and failure mechanisms. The metallurgy of heat treatments and manufacturing methods are studied, and the methods of metallography and materials testing are covered prior to their use in a concurrent mechanical engineering laboratory course. Prerequisite: Engineering 202.

328 Network Synthesis (3)

This is a study of the concepts involved in synthesizing networks which is the inverse problem of network analysis. When both an excitation and a desired response are specified and one is asked to find a network having a specified response to the given excitation, then we have a problem in network synthesis. Topics include: synthesis of one port RC and RL networks, synthesis and realization of RC and RL two ports, and passive filter design. Prerequisites: Engineering 207; Mathematics 203.

341-348 Special Topics in Mechanical Engineering (3)

Elective courses designed to treat particular topics in greater detail than would be done in any of the above courses. Topics will depend on the mutual interest of students and staff.

350 Solar Energy Engineering (3)

A senior level design course focusing on solar energy as an alternative form of energy for meeting distillation, space heating, domestic hot water, air conditioning, and industrial needs. The thermal processes by which solar radiation is transmitted to and absorbed by a surface, converted into heat, and stored and distributed will be studied. Auditing of building energy loads, conservation procedures, and design of appropriate passive or active solar energy systems are explored. The F-Chart method is studied in detail, with heavy use being made of computer methods, both for load determination and system design. Prerequisite: Engineering 303.

360 Elements of Power Systems Analysis (3)

This course presents methods of analysis of power systems, transmission lines and electrical generators. It deals with load and stability studies, fault analysis and principles of economic dispatch which affect the design and operation of our national power system and the selection of apparatus for its control. Topics include: transmission line theory, system modeling, network calculations, multiphase faults, system protection and stability. Prerequisites: Engineering 207; Mathematics 203.

362 Control Theory (3)

A study of linear control system analysis and design for electrical engineering students. Topics include: writing system equations for various physical control systems, solution methods, system representation through block diagrams and transfer functions, control system stability criterion, types of feedback systems, frequency response, closed-loop performance, and compensation techniques. Prerequisite: Engineering 207.

363 Introduction to Communication Systems (3)

A study of modern communication systems performance and theory with applications in radio, satellite and telephone systems. Topics include: frequency response of linear systems, digital communications, pulse code and delta modulation techniques, bandwidth and spectrum considerations, AM and FM methods, demodulation, and noise limitations. Prerequisite: Engineering 207.

365 Advanced Digital Design (4)

Some of the advanced topics to be covered in this senior course are the design and analysis of asynchronous sequential circuits, how to deal with hazards in digital circuits, arithmetic logic units, detailed analysis of D/A and A/D converters, and topics in the area of integrated circuit design. A significant design project will be assigned as the laboratory portion of the course. Prerequisite: Engineering 304.

390 Technology and Society (3)

An examination and critique of the relationship of technology to other areas of Western society. During the first half of the course a Christian philosophy of technology is carefully studied and application is made to such problems as the role of the computer, technocracy, appropriate technology, and the historical two-cultures dualism. During the second half the course focuses on the question of engineering ethics, with particular emphasis on such questions as safety and risk, professional responsibility and authority, whistleblowing, responsible salary structures, and morality in career choice. This course requires the student to write and orally present a significant research paper. Open to third and fourth year students who have taken Philosophy 201.

391 Individual Studies (3)

Open to third and fourth year students with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Engineering 391.

English

General Major – English 201-202, or 207-208; five courses from English 312, 314, 315, 316, 317, 318; Theatre Arts 364 or 365 and three courses beyond English 200 or four courses beyond English 200.

Teaching Major –
(Secondary)

English 201-202; one course from English 301, 302; four courses from English 312, 314, 315, 316, 317, 318; English 336, 391; Theatre Arts 364 or 365 and one course beyond English 200 **or** two courses beyond English 200; Education 206/326.

Approval Area

45 – English

Teaching Minor –
(Secondary)

English 201-202; one course from English 301, 302; one course from English 312, 314, 315, 316, 317, 318; English 336; Theatre Arts 364 or 365 and one course beyond English 200 **or** two courses beyond English 200.

Approval Area

45 – English

101 Grammar and Composition (3)

Instructors aim to review traditional grammar so that (1) students will have a vocabulary with which to discuss their writing, and (2) students will understand the principles of crafting sentences to express themselves clearly and forcefully. Students will practice these principles and other principles of good writing in writing paragraphs, essays, and in a research paper.

200 Responding to Literature (3)

This course deals with selected fiction, poetry, and drama from American and world literature. It stresses appreciation and evaluation of, and response to, these significant works.

201 American Literature (3)

Selected prose and poetry of the Puritans and Neo-Classicals, and an extensive study of the American Romantics: Poe, Hawthorne, Emerson, Thoreau, and Whitman.

202 American Literature (3)

A study of the rise of early American realism (Howells, James, Twain) naturalism (Crane, Dreiser) and early twentieth century fiction and poetry (Hemingway, Faulkner, Eliot, Frost).

203 American Literature (3)

A study of fiction and poetry since the 1930's (O'Connor, Updike, Malamud, Lowell, Roethke, etc.).

205 Canadian Literature (3)

A study of major Canadian fiction writers and poets since 1945, with particular attention paid to recurring themes in modern Canadian literature.

207 World Literature (3)

The literature studied is from the Greek, Roman, Medieval, and Renaissance periods. All writings are studied in English translation. A paper is required.

208 World Literature (3)

In this course, masterpieces of European authors from the seventeenth to the twentieth century will be read and discussed. All readings are in English. A paper is required.

221 The Short Story (3)

Analysis and evaluation of American, British, and Continental stories within the historical framework of the developing genre.

222 Themes in Literature (3)

The aims of this course are to see how various writers of different cultures and eras expressed themselves on selected universal themes such as love, justice, religious experiences, and man's inhumanity to man.

301 Advanced Expository Writing I (3)

This course is designed to help both the person who has trouble getting started writing and the person who feels his prose is too wordy, too abstract, or too dead. In other words, the course will stress writing and rewriting, vision and revision. It will be geared for all students, regardless of their major. We will study how to use description, narration, and analogy to aid in exposition, how to describe a process, how to compare and contrast, how to classify. There will also be assignments in analysis, inductive writing, deductive writing, and in definition.

302 Advanced Expository Writing II (3)

This course will get at some of the same principles as English 301, but will make more use of prose models. Students will work on clarifying the writing's stance, establishing the writer's tone, and gaining force by way of syntax.

303 Reading and Writing of Poetry (3)

Student writing and evaluation of various types of poetry. The workshop serves as the basic format.

304 Fiction Writing (3)

The course will consist of a special project in fiction, which the student will work at in personal consultation with the instructor.

312 Shakespeare and Elizabethan Drama (3)

Primary emphasis on a study of Shakespeare's plays: comedies, histories, and tragedies. Some attention to Shakespeare's sonnets, to other Elizabethan playwrights, and to background. One paper.

314 Medieval, Renaissance and Metaphysical Literature (3)

Using the historical approach, the course will deal with Beowulf, Chaucer, Sidney, Spenser, Marlowe, Donne, Herbert, Herrick, Jonson, Crashaw, etc.

315 Restoration and Eighteenth Century Literature (3)

This course emphasizes the major poetry and prose of the Restoration period (1660-1700) and the Eighteenth Century. Excluding the novel, the authors discussed include Milton, Dryden, Bunyan, Pope, Swift, and Samuel Johnson, and the notions of this period as the "Age of Satire" and the "Age of Reason" are examined.

316 Literature of English Romanticism (3)

This course deals with the poetry and prose of Burns, Blake, Wordsworth, Coleridge, Lamb, Hazlitt, DeQuincey, Byron, Shelley, and Keats (historical approach).

317 Literature of the Victorian Age (3)

This course deals with the poetry, prose, and drama of Carlyle, Newman, J.S. Mill, Tennyson, Browning, Ruskin, Morris, Arnold, the Rossetis, Pater, Wilde, Thompson, Kipling, Dowson, and Hopkins (historical approach).

318 Modern British Literature (3)

This course deals with the poetry, prose, and drama of Hardy, Shaw, Conrad, Housman, Yeats, Forster, Woolf, Joyce, Lawrence, Eliot, Leavis, Orwell, Beckett, Pinter, Auden, and Thomas (historical approach).

321 The American Novel (3)

This course is a study of the American novel beginning with Charles Brockden Brown and extending through the nineteenth and twentieth centuries. Such authors as Hawthorne, Melville, Crane, Lewis, Hemingway, Faulkner, and Steinbeck will be studied. Lectures, discussions, papers are required.

322 The English Novel (3)

The study of the beginning of the English novel with Defoe, Richardson and Fielding, followed by a survey of nineteenth and early twentieth century novelists such as Bronte, Thackeray, Trollope, Dickens, Conrad, and Forster.

323 Modern and Contemporary English and American Novels (3)

The study of selected contemporary novels, American and English. Novelists include Bellow, Malamud, Potok, Updike, Burgess, and O'Connor.

333 History and Theory of Literary Criticism (3)

In this course we will analyze major works of literary criticism and theory of criticism, both classic works from Plato through Eliot and key works drawn from the ferment of contemporary theory, with the aim of formulating clearer Christian theories of literature.

335 History of the English Language (3)

The course surveys the Indo-European languages, the emergence, development and flowering of the Anglo-Saxon language, the seven English dialects, the Chaucerian dialect and the contributions of the Greek, Latin, and French language and cognate words.

336 English Grammar (3)

This course will review traditional grammar and demonstrate how the teaching of writing makes use of grammatical concepts. It will also review standard usage in English and introduce transformational grammar.

341-348 Special Topics (3)

These literature courses cover a different topic each year and each is designed to be a special interest course maximizing individual instructor strengths, interests, and competencies. Usually each course will study in-depth the works of two or three literary figures normally not covered as intensively.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as English 391.

English as a Second Language

Teaching Minor—

(Secondary)

Linguistics 201, 301, 371; English 336; Education 355; Foreign Language 201; Foreign Language 202 or 206; two semesters of foreign language conversation 251-258.

Environmental Studies

NOTE: An Environmental Studies program is presently pending, with adoption likely in the near future. Interested students should contact Mr. Hodgson for details.

151 Introduction to Environmental Studies (3)

An introduction to contemporary environmental studies, with emphasis upon class discussion of relationships between human population, resource use, and pollution, in the light of biblical teaching about environmental stewardship.

French

101 Elementary French (4)

Emphasis on the basic structure of the language, core vocabulary, and pronunciation. Assigned work in the language laboratory.

102 Elementary French (3)

Continuation of French 101. Prerequisite: one year of high school French or French 101.

201 Intermediate French (3)

A review of the grammatical structure of French, with an emphasis on the nature of language. Attention is given to listening, speaking, reading and writing skills, vocabulary, and culture. Prerequisite: two years of high school French or French 102.

207 World Literature (3)

See English 207. Students who wish this course to be listed as a French course will be assigned their paper based on French readings.

208 World Literature (3)

See English 208. Students who wish this course to be listed as a French course will be assigned their paper based on French readings.

251-258 Conversation (1)

A conversation course will be offered each year. The course is designed to give the student practice in listening and speaking. The content of the course will be altered each year. The class will meet two times a week; one hour of preparation per week. Prerequisite: French 102.

General Education

Area of Concentration (Associate of Arts)

General Studies:

Option A: Any six courses from a single department.

Option B: Any three courses from one department plus any three courses from a second department in the same division.

Option C: Any four courses from one department plus three courses from a department in another division.

Option D: An individualized concentration of eight courses which has been designed in consultation with and approved by the Associate Academic Dean to meet a specific need of the student.

NOTE: IN ALL OPTIONS (A-D), COURSES TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS MAY ALSO BE USED TO MEET THE REQUIREMENTS OF THE CONCENTRATION OPTION.

010 Introduction to College (Cr.)

An introduction to the purposes and procedures of the academic, cultural, and social activities at Dordt College.

200 Introduction to the Arts (3)

This course is specifically designed for meeting the general education requirement. The design allows for considerable flexibility. Students choose from a variety of sub-courses in art, drama, and music topics which are of interest to them. Students also fulfill requirements by attending special arts events and lectures.

Geography

201 Introduction to Geography (3)

A basic introductory course in cultural geography.

Geology

110 The Earth: Geology and Oceanography (3)

A descriptive survey of the Earth as a planet. Designed primarily for science majors. Primary emphasis on basic concepts of geology and oceanography. Special attention to Earth's crust, submarine geology, plate tectonics, and interior structure. The history of planet Earth will be discussed in Christian perspective. This course may not be used to meet the two-semester science requirement.

220 Physical Geology (3)

An intermediate level study of the nature and structure of planet Earth. Chief attention given to surface processes such as erosion, deposition, glaciation, landforms, and the role of plate tectonics. Prerequisite: Geology 110 or equivalent with instructor permission.

German

-
- General Major – German 201, 202, 206, 302; Linguistics 201; five courses from German 101, 102, 207, 208, 301, 341-348, 391, 392; four semesters of German conversation 251-258. Study abroad courses are recommended.
- Teaching Major –
(Secondary) German 201, 202, 206, 301, 302, 391; Linguistics 201; two courses, one of which must be in the area of literature from German 102, 207, 208, 341-348, 392; four semesters of German conversation 251-258. Study abroad courses are recommended.
Approval Area
55 – German
- Teaching Minor –
(Secondary) German 201, 202, 206, 301, 302; one course from 102, 341-348, 391; two semesters of German conversation 251-258. Study abroad courses are recommended.
Approval Area
55 – German
-

101 Elementary German (4)

Emphasis on the basic structure of the language, core vocabulary, and pronunciation. Assigned work in the language laboratory.

102 Elementary German (3)

Continuation of German 101. Prerequisite: one year of high school German or German 101.

201 Intermediate German (3)

A review of the grammatical structure of German, with an emphasis on the nature of language. Attention is given to listening, speaking, reading and writing skills, vocabulary, and culture. Prerequisite: two years of high school German or German 102.

202 Literary and Cultural Readings (3)

This course is designed to develop the reading skill and an appreciation for German culture and literature. Emphasis upon contemporary literature. Permission will be granted for individual readings in academic areas of interest to the student. Prerequisite: German 201 or its equivalent.

206 German Culture (3)

This course is designed to cover many aspects of the German way of life. There will be an emphasis on listening and speaking skills. Prerequisite: German 201 or its equivalent.

207 World Literature (3)

See English 207. Students who wish this course to be listed as a German course will be assigned their paper based on German readings.

208 World Literature (3)

See English 208. Students who wish this course to be listed as a German course will be assigned their paper based on German readings.

251-258 Conversation (1)

A conversation course will be offered each year. The course is designed to give the student practice in listening and speaking. The content of the course will be altered each year. The class will meet two times each week; one hour of preparation per week. Prerequisite: German 102.

301 German Phonology (3)

See Linguistics 301. The principles and universals of phonology will be studied. A direct application will be made to the German language.

302 Advanced German Grammar (3)

This course is designed especially for those who will be teaching the language or who desire a better understanding of the structure of the language. The scope of grammar will be approached systematically. Prerequisite: German 201 or its equivalent.

341-348 Special Topics (3)

The topics for these courses will be chosen from the areas of literature, advanced language studies, culture, or teaching methods. The offering of the course as well as the content will reflect student interest and need. Prerequisite: departmental approval.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as German 391.

Greek

101 Elementary Greek (4)

Basic structures of the language are dealt with; the relation to Latin and other Indo-European languages is considered. Simple prose readings are considered.

102 Elementary Greek (4)

Continuation of Greek 101.

201 Intermediate Greek (4)

The course includes a comprehensive review of syntax and forms and readings from various classical authors.

202 Intermediate Greek (3)

Continuation of Greek 201. Readings from Plato's **Apology** are used.

301 New Testament Greek (3)

This course gives an introduction to **Koine Greek**, works on vocabulary building, and readings from the Synoptic Gospels.

302 New Testament Greek (3)

Continuation of Greek 301. Readings from Acts and The Epistles are used.

341-348 Special Topics (3)

Courses under this title are designed by the department from year to year to reflect student demand and need. The content of the course will be from the areas of literature, philosophy, theology, archaeology, language, and art.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Greek 391.

Hebrew

101 Elementary Hebrew (4)

Introduction to the basic structure of the language; survey of the historical development of Hebrew in the context of other Semitic languages; simple readings.

102 Elementary Hebrew (4)

Continuation of Hebrew 101. Orientation in reading the Hebrew Bible.

History

General Major—	History 200, 201, 202; seven history courses beyond History 100.
Teaching Major—	
(Secondary)	History 200, 201, 202, 391; two 300-level American history courses; four history courses beyond History 100. <i>Approval Areas</i> 72—American History 73—World History
Teaching Minor—	
(Secondary)	History 100, 200, 201, 202; two 300-level American history courses; two elective courses in history. <i>Approval Areas</i> 72—American History 73—World History NOTE: if the Social Science teaching minor is also completed, the student will be eligible for 75—All subjects in History and Social Studies.

100 Western Civilization Since the Renaissance (3)

A survey of the highlights in the growth and development in western civilization from the Renaissance to the present day.

200 The Non-Western World (3)

This course examines the roots of contemporary problems in the post-imperial non-Western world. The era from 1875 to the present, the period in which these regions have emerged to new importance, is emphasized, and the connection between the current world situation and pre-imperial/imperial eras is demonstrated.

201 American History (3)

Colonization and its antecedents, the Revolution and the development of nationalism, westward expansion, Jacksonian Democracy, the rise of sectionalism, the slavery controversy and the Civil War.

202 American History (3)

Continuation of History 201. Reconstruction era, the problems of industrialization, the farm revolt, politics of the Gilded Age, the reform movement, the politics of prosperity and of depression, the United States as a great power, and the United States as leader of the Free World.

203 Ancient History (3)

The history of ancient Greece and Rome from the Minoan Age to the end of the Empire in the West, with special attention to the interaction of the Hellenic, Hellenistic, and Roman civilizations.

205 Medieval Europe (3)

History of Europe from the height of the Roman Empire in the second century to approximately 1300. The decline of the Roman Empire, the rise of Islam, the development of medieval institutions and the rise of cities will be emphasized.

207 Renaissance and Reformation Eras (3)

History of Europe from approximately 1300 to 1648. Such themes as humanism, the cultural renaissance, the rise of Protestantism, the Counter-Reformation, and the development of the modern secular state will be studied.

209 Nineteenth Century Europe (3)

History of Europe from the Congress of Vienna to approximately 1890, with most emphasis on Western Europe. Stress will be on political, cultural, and social factors that have influenced European history since 1815. Attention will also be given to outstanding figures such as Metternich, Cavour, Bismarck, Marx, and Darwin.

210 Twentieth Century Europe (3)

Continuation of History 209. History of Europe from approximately 1890 to the present, with most emphasis on Western Europe. Focus will be upon such areas as the underlying causes of World War I, the political-social-economic-cultural upheavals between the wars, the impact of World War II, and the problems which face present-day Europe.

211 History of Canada (3)

A survey of Canada's history from the age of discovery and exploration to the present. The various forces and individuals which contribute to the making of Canadian nationhood will be stressed, but due time will also be devoted to the racial and sectional issues that have worked against national unity.

215 History of Mexico (3)

A survey of the history of Mexico from the time of the Spanish conquest to the present. Attention will be given to colonial life, to the reform era of the early republic, and to twentieth century revolutions. Emphasis will also be given to the interaction, development and change of political, economic and social institutions in Mexico.

303 Modern Russia (3)

Study of Russia in the nineteenth and twentieth centuries with concentration on internal developments. The revolutionary movements leading to the Communist revolution receive particular emphasis. Includes an examination of the Soviet system as it has evolved since 1917. Prerequisite: junior or senior standing or permission of the instructor.

305 American Problems (3)

A course designed to pursue in-depth domestic relations that have had an important bearing upon the course of American history. The approach will be a combination of lectures, discussions, and reports emphasizing especially the historiographical material pertinent to each issue studied. Prerequisites: History 201-202 or permission of the instructor.

307 Historiography (3)

This course concerns itself with the nature and meaning of history and the nature of the historian's task and responsibilities. There will be an emphasis upon review and evaluation of the various schools of history and of the philosophies of leading historians. Prerequisites: History 100, 200, 201, 202. Recommended for the senior year.

309 Economic History of the U.S. (3)

See Economics 309. This course may be taken for either history or economics credit. Prerequisite: permission of instructor.

341-348 Special Topics (3)

Each of these courses is devoted to a different topic and each is designed to be a special interest course utilizing individual instructor strengths, interests, and competencies. Each course will be concerned with a topic or period of history not usually treated to any great extent in regularly scheduled courses.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as History 391.

Individual Studies

391 Individual Studies (3)

Individual study of a topic which is interdepartmental or which falls within a department which does not have an individual study option. Permission must be granted by the Associate Academic Dean.

392 Individual Studies (3)

Same as Individual Studies 391.

NOTE: For more information refer to pages 42-43 of the catalog.

Latin

101 Elementary Latin (4)

This course covers the basic structures of Latin with introductory prose readings.

201 Intermediate Latin (4)

Continued work in basic skills, stress on vocabulary. Reading of classical prose, some attention given to the nature of language and the relation of Latin to English and the Romance languages. Prerequisite: two years of high school Latin or Latin 101.

Linguistics

201 Introduction to Linguistics (3)

A study of the nature of language as it relates to linguistic theories and speakers of languages. Using data taken from English and a variety of other languages, primary attention is given to the sounds and forms of language. Opportunity is provided for students to research a variety of cultural topics related to their major field or personal interest. Prerequisite: Foreign Language 102 or its equivalent. The course is open to freshmen with permission of the language department.

301 Phonology (3)

A study of the human speech sounds and sound systems. In the beginning of the course the universal aspects of human speech will be emphasized; then, various applications will be developed in the English language or in various modern languages offered by the foreign language department. (See e.g., German 301).

371 Practicum of English as a Second Language (ESL) (3)

This course will offer students the opportunity to practice the principles and methods of teaching ESL. Emphasis will be given to the following areas: pronunciation, conversation, reading, and composition. Prerequisite: departmental approval.

Management Information Systems

General Major – Computer Science 111, 115, 120, 201, 202, 210, 301, 371; Mathematics 107, 112; Business Administration 201, 202, 205, 206; Economics 201.

Mathematics

General Major – Mathematics 112, 113, 200, 201, 203, 304, 311; three mathematics courses numbered 200 or above or Computer Science 102 or 111.

Teaching Major –
(Secondary) Mathematics 112, 113, 200, 201, 203, 304, 311, 391; two mathematics courses numbered 200 or above; Computer Science 102 or 111.
Approval Area
58 – Mathematics

Teaching Minor –
(Secondary) Computer Science 102 or 111; Mathematics 112, 113; three mathematics courses numbered 200 or above.
Approval Area
58 – Mathematics

106 Elements of Mathematics (3)

An introduction to the contents and methods of mathematics, including some discussion of its historical development.

- 107 Elementary Statistics (3)**
An elementary course in probability theory, statistical techniques and methods, and the application of these techniques to a variety of fields.
- 109 Mathematics for the Elementary Teacher (3)**
An elementary study of sets, cardinal numbers, the integers, logic, mathematical systems, and the real numbers as basic concepts of elementary school arithmetic. Prerequisite: Mathematics 106 or two years of high school mathematics.
- 110 College Algebra (3)**
This course covers standard topics in algebra. The study of functional notation is emphasized in preparation for calculus. Prerequisite: three semesters of high school algebra.
- 112 Analytic Geometry and Calculus (4)**
A review of analytic geometry and an introduction to the basic concepts of calculus: limits, derivatives, integrals, differentiation and integration, and applications. Prerequisite: Mathematics 110 or equivalent.
- 113 Calculus and Analytic Geometry (4)**
Continuation of Mathematics 112; a study of definite integrals, formal differentiation and integration, transcendental functions, sequences, series, and applications. Prerequisite: Mathematics 112.
- 200 Calculus Theory (3)**
An introductory study of logic and the various methods of proof in mathematics, with application to and development of the theory of single variable calculus. Prerequisite: Mathematics 113.
- 201 Multivariable Calculus (3)**
A study of the algebra and calculus of vector-valued functions, three dimensional analytic geometry, differential and integral calculus of functions of several variables, line and surface integrals. Prerequisite: Mathematics 113.
- 203 Elementary Linear Algebra (3)**
An introductory study of vector spaces, linear transformations, matrices, and determinants, with particular emphasis upon solving systems of linear equations. Prerequisite: Mathematics 113.
- 204 Differential Equations (3)**
An introduction to the theory and techniques of solving elementary differential equations and the use of these techniques in applied problems. Prerequisite: Mathematics 113.
- 206 Statistical Methods (3)**
An introduction to the basic concepts and techniques of statistical analysis; the mathematical development of these techniques and their application to data analysis. Prerequisite: Mathematics 112.
- 207 Number Theory (3)**
An introduction to number theory including congruences, residues, Diophantine equations, prime numbers and their distribution, and properties of number-theoretic functions. Prerequisite: Mathematics 112 or permission of instructor.
- 208 Modern Geometry (3)**
A study of the basic concepts of modern geometry, both Euclidean and non-Euclidean, with some attention given to finite and projective geometry as well. Prerequisite: Mathematics 112 or permission of the instructor.
- 209 Numerical Analysis (3)**
A study of numerical methods for integration, differentiation, calculus of finite differences, and applications, using the computer. Prerequisites: Mathematics 112; Computer Science 102 or 111.
- 210 History of Mathematics (3)**
A survey of the history of mathematical thought and institutions from ancient times through the seventeenth century, supplemented by a study of various topics chosen from the eighteenth-twentieth centuries. Prerequisite: Mathematics 112 or permission of the instructor.

212 Discrete Structures (3)

A course relating discrete mathematical structures to computing. Topics included are: sets, relations, functions, equivalence and congruence relations, Boolean algebra, graph theory and matrices. Prerequisite: Mathematics 112 or permission of the instructor.

304 Abstract Algebra I (3)

An introduction to algebraic structures: groups, rings, integral domains, and fields. Prerequisite: Mathematics 203 or permission of the instructor.

305 Abstract Algebra II (4)

Continuation of Mathematics 304. A more extensive study of algebraic structures. Prerequisite: Mathematics 304.

309 Probability Theory (3)

An introduction to classical and measure-theoretic foundations of probability, random variables, distribution, functions, moments, and central limit problems. Prerequisite: Mathematics 201.

311 Real Analysis I (3)

An introduction to the content and methods of single variable real analysis: infinite sets, the real number system, sequences, limits, series, continuity, differentiation, and integration. Prerequisite: Mathematics 200 or permission of the instructor.

312 Real Analysis II (3)

A rigorous study of the theory of real-valued functions of several variables: differentiability, multiple integrals, line and surface integrals, infinite series of functions. Prerequisites: Mathematics 201, 311.

315 Complex Analysis (3)

A study of the complex number system, functions of complex numbers, integration, differentiation, power series, residues and poles, and conformal mappings. Prerequisite: Mathematics 311.

317 Topology (3)

The definition and study of various topologies and their applications in real analysis. Includes the following topics: bases, subbases, connectedness, compactness, completeness, and separation. Prerequisite: Mathematics 200 or 203.

341-348 Special Topics (3)

These mathematics courses cover different topics which maximize individual instructor strengths, interests, and competencies. Each course will deal with a topic in mathematics not usually treated to any great extent in regularly scheduled courses.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Mathematics 391.

Music

General Major— Music 103, 104, 203, 204, 207, 208, 308, 309, 315; six semesters in one area from 241-276; six ensemble credits; Music 19; two elective courses in music selected from one of the following areas:

1. *History-Literature*: Music 210; one elective course in music.
2. *Theory-Composition*: Music 307; Music 391 or 392.
3. *Organ*: Music 211 or 212; Music 360, 361.
4. *Piano*: Music 350, 351.
5. *Voice*: Music 340, 341.
6. *Instruments*: Music 370, 371.
7. *Church Music*: Music 210, 211, 212.

NOTE: Performance majors (3-6) must audition for acceptance into the program by the end of the sophomore year. Performance majors will be required to present a full senior recital and a half junior recital.

Teaching Major—
(Choral)

Music 103, 104, 203, 204, 207, 208, 309, 312, 313, 315, 323; two semesters from Music 316-319; one course from Music 210, 211, 212, 305, 307, 308; Music 241-244; two semesters from Music 245-246, 251-252, 261-262, 271-272; six ensemble credits; Music 19.

Approval Area

60—Music

Teaching Major—
(Instrumental)

Music 103, 104, 203, 204, 207, 208, 305, 309, 312, 314, 315, 316-319, 271-274; two semesters from Music 241-242, 251-252, 261-262, 275-276; one semester of class voice (Music 14); six ensemble credits; Music 19.

Approval Area

60—Music

Teaching Minor—

Music 103, 104, 308, 315; one course from Music 313, 314; two courses from Music 203, 204, 207, 208; two semesters of private lessons; four ensemble units; Music 19.

Approval Area

60—Music

Church Music
Minor—

Music 103, 104, 210, 211, 212, 315; four semesters of private lessons or ensembles.

10 Chorale (1)

11 Concert Band (1)

12 Concert Choir (1)

13 Wind Ensemble (1)

14 Private and Class Voice – For Non-Majors (1)

15 Private Piano – For Non-Majors (1)

16 Private Organ – For Non-Majors (1)

17 Private Instruments - For Non-Majors (1)

19 Piano Proficiency (0)

20 Orchestra (1)

103 Music Theory I (4)

A basic course in music theory with application to developing perception in listening to music. This course lays the foundation for basic musicianship and further studies in music theory through the development of notation skills, a functional musical vocabulary, and practical aural skills.

104 Music Theory II (4)

Continuation of Music 103. Prerequisite: Music 103.

203 Music Theory III (4)

The study of altered chords and ninth, eleventh, and thirteenth chords. Contemporary theories and compositional practices with some actual composing. Meets four times per week. Prerequisite: Music 104.

204 Music Theory IV (4)

An examination of the dissolution of the major-minor tonal system and the resulting new theoretical bases of twentieth-century music. Aural skills related to the analytical and written skills will be pursued. Prerequisite: Music 203.

- 207 Music History (3)**
The development of the art of music, showing the cumulative values of music progress through the great eras in history and the relationship of music to the political, economic, and cultural conditions of these areas.
- 208 Music History (3)**
Continuation of Music 207.
- 210 History of Music in the Church (3)**
A study of church music from ancient times to the present. Special attention will be given to the development of American hymnody.
- 211 Worship and Liturgy (3)**
Inquiry into the relationship of music to principles, patterns, and practices of worship. Biblical-historical perspectives will be applied in analysis of current worship patterns and in building worship and liturgy models.
- 212 Church Music Organization and Literature (3)**
A study of the organization of the church music program and appropriate music literature for organ, voice, and instruments.

Private Instruction

Semesters of private instruction for music majors are numbered consecutively from 1-6. Each semester of private instruction is a prerequisite for the following semester, i.e. a student must successfully complete semester 1 before registering for semester 2, etc. One hour of credit is awarded for each semester. Six semesters of private study is the equivalent to two courses towards graduation. Music majors may take a maximum of six semesters from the following:

- 241-246 Private and Class Voice (1 credit hour per semester)**
- 251-256 Private Piano (1 credit hour per semester)**
- 261-266 Private Organ (1 credit hour per semester)**
- 271-276 Private Instruments (1 credit hour per semester)**
- 305 Arranging (3)**
A detailed study of orchestral, band, and choral arranging.
- 307 Composition (3)**
A study of compositional methods, with an emphasis on contemporary techniques.
- 308 Music Literature (3)**
This course is designed for the music major, but open to the non-major by consent of the instructor. Intensive and extensive listening will be required. A basic repertory background in several media will be explored. The compositions will be examined and discussed in terms of salient style features and form. Individual projects will be assigned.
- 309 Form and Analysis (3)**
A practical and analytical course in the structure of music forms.
- 312 Teaching Music in the Elementary School (3)**
A course designed to provide a detailed study of methods and materials of music education in the elementary school.
- 313 Vocal Music Education in the Secondary School (3)**
Teaching techniques and materials for the prospective vocal music educator, including advanced choral conducting.
- 314 Instrumental Music Education in the Secondary School (3)**
Teaching techniques and materials for the prospective instrumental music educator, including advanced instrumental conducting.
- 315 Conducting (3)**
A study of choral and instrumental conducting with corresponding literature. Meets three times per week.

Pedagogy

Completion of 316-319 is the equivalent of one course toward graduation for instrumental music majors. Completion of 323 plus two semesters of 316-319 is the equivalent of one course toward graduation for choral music majors and elementary education music minors.

316 Brass Pedagogy (1)

Methods of teaching brass instruments.

317 Woodwind Pedagogy (1)

Methods of teaching woodwind instruments.

318 String Pedagogy (1)

Methods of teaching string instruments.

319 Percussion Pedagogy (1)

Methods of teaching percussion instruments.

323 Vocal Pedagogy (2)

Methods of teaching voice.

340 Advanced Voice Study (3)

Advanced voice literature and recital preparation. (By audition only.)

341 Advanced Voice Study (3)

Continuation of Music 340.

342-348 Special Topics (3)

These courses will vary from year to year, and are designed to meet special student interests and to utilize staff strengths and the talents of experts in the community. Each course will cover material not usually treated in regularly scheduled courses.

350 Advanced Piano Study (3)

Advanced piano literature and recital preparation. (By audition only.)

351 Advanced Piano Study (3)

Continuation of Music 350.

360 Advanced Organ Study (3)

Advanced organ literature and recital preparation. (By audition only.)

361 Advanced Organ Study (3)

Continuation of Music 360.

370 Advanced Instrumental Study (3)

Advanced instrumental literature and recital preparation. (By audition only.)

371 Advanced Instrumental Study (3)

Continuation of Music 370.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Music 391.

Natural Science

General Major— Biology 115, 122, 200, 213, 335; two elective courses in biology; Chemistry 103, 104, 201, 202, 203, 205, 311; Physics 115, 116; Mathematics 112.

Teaching Major–
(Secondary)

Biology 115, 122, 200, 213, 335; one course in biology numbered 200 or above; Chemistry 103, 104, 201, 202, 203, 205, 311; Physics 115, 116; Mathematics 112; one course from Biology 391, Chemistry 391.

Approval Areas

63–Biology

64–Chemistry

65–General Science

88–Physical Science (With Astronomy 121, 122; Geology 110 or Physical Science 201.)

Philosophy

General Major– Philosophy 201, 302, 303, 304, 309; five elective courses in philosophy, which may include Engineering 390 and one course selected from Political Science 310, 311, 312, Theology 347.

201 Perspectives in Philosophy (3)

An introduction to the nature, task, and basic problems of philosophy, with special examination of its role in contemporary society.

202 Logic (3)

An introduction to the principles of right reasoning with work in both the deductive and inductive methods of logic.

302 History of Ancient and Medieval Philosophy (3)

A historical survey of philosophical problems and movements from the early Greeks to the Renaissance. Readings in primary sources and a research paper.

303 History of Modern Philosophy (3)

A survey of philosophical problems and movements in the Western world from the end of the fifteenth century to the middle of the nineteenth century. Readings in primary sources.

304 History of Contemporary Philosophy (3)

A survey of philosophical problems and movements in the Western world from the middle of the nineteenth century to the present. Readings mainly in primary sources.

306 Aesthetics (3)

A study of general aesthetic theory, its application to the various art forms and the relation of aesthetic values to other values, particularly moral values.

309 History and Development of Christian Philosophy (3)

Analysis of the development of Reformational Philosophy within the context of the history of Western thought, particularly since the Reformation. Prerequisite: Philosophy 201. Philosophy majors should complete the history of philosophy sequence before taking Philosophy 309.

310 Systematics of Christian Philosophy (3)

An in-depth study of selected topics in the systematic philosophy of mainly Dooyeweerd, Vollenhoven, and Stoker. Specific attention will be given to differences between Christian thought and various influential non-Christian systems of thought.

330 Philosophy of Method (3)

A study of the nature of method and its role in contemporary society, particularly as it manifests itself in scientific, technological, and societal activity. Prerequisite: Philosophy 201.

341-348 Special Topics (3)

Each of these courses is designed to be a special interest course utilizing individual instructor strengths, interests, and competencies. Each topic will be concerned with material not usually treated to any great extent in regularly scheduled courses.

350 Philosophical Anthropology (3)

A survey of the dominant non-Christian views about the nature and role of man. The study includes the main features of an integral Christian theory of man. Open to juniors and seniors. Prerequisite: Philosophy 201.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Philosophy 391.

Physical Education

General Major— Physical Education 201, 203, 204, 205, 207, 208, 209, 304, 305; two courses from Physical Education 206, 210, 211, 212, 213, 306.

Teaching Major—
(Secondary) Physical Education 25, 201, 203, 204, 205, 207, 208, 209, 212, 304, 305, 391; one course from Physical Education 206, 210, 211, 213, 306. (For vertical certification Education 105 is also required.)

Approval Areas

62—Physical Education

(Coaching Endorsement 55)

Teaching Minor—
(Secondary) Physical Education 25, 201, 203, 204, 205, 207, 212, 304; one course from Physical Education 209, 213, 305, 306, 391.

Approval Areas

62—Physical Education

(Coaching Endorsement 55)

Recreation Minor—
Physical Education 206, 207, 210; Business Administration 101, 205; Psychology 210; Political Science 214.

10 Concepts in Physical Education (1) P/F

A study of the concept of fitness and health from a Christian view of humankind. Designed to help students evaluate their own physical needs and strengths. This course assists students in developing their personal exercise and activity program. Preferably should be taken in the freshman year.

11 Adaptive Program (Cr.)

Restricted activity for students with physical disabilities. Prerequisite: recommendation by a medical doctor.

12 Aerobic Dance (Cr.)

An opportunity for students to work on a personal fitness program through vigorous exercises to music.

13 Badminton (Cr.)

Development of skills, techniques and participation in beginning badminton.

14 Bicycling (Cr.)

Emphasis will be placed on bicycle safety and recreational use of bicycling.

15 Bowling (Cr.)

Development of skills and knowledge in bowling necessary for the recreational purposes of the beginner.

16 Cross-Country Skiing (Cr.)

The skills and techniques of this popular sport will be taught and practiced.

17 Golf (Cr.)

Beginning golf in which students will be taught the skills of the sport. Students must furnish their own clubs. No green fees for class work.

- 18 Gymnastics-Floor Exercise (Cr.)**
Development of beginning and intermediate skills and techniques in gymnastics and tumbling, including work in free exercise.
- 19 Gymnastics-Apparatus (Cr.)**
Development of beginning and intermediate skills in gymnastics. Course will include parallel bars, balance beam, sidehorse, vaulting, rings and uneven bars.
- 20 Personalized Program (Cr.)**
A student may earn credit in a unique skill area that is not taught at Dordt. Examples: Judo, Karate, Scuba diving, etc.
- 21 Physical Fitness (Cr.)**
Knowledge, development and maintenance of personal physical fitness through the use of aerobics, calisthenics, the "exergenie", etc.
- 22 Racquetball (Cr.)**
Skills and techniques of racquetball.
- 23 Slow Pitch Softball (Cr.)**
Development of skills in softball and the opportunity to participate in a currently popular sport.
- 24 Square and Folk Dance (Cr.)**
An opportunity for students to participate in square dance and folk dances from various countries.
- 25 Swimming (Cr.)**
Several sections are offered each semester. Each section is divided for non-swimmers, intermediate, and advanced swimmers. Senior Life Saving and WSI certificates can be earned through special arrangements.
- 26 Tennis (Cr.)**
Development of skills and knowledge in tennis.
- 27 Volleyball (Cr.)**
Development of skills and techniques, and participation in power volleyball.
- 28 Weight Training (Cr.)**
A well-rounded weight training program with carry-over recreational emphasis.
- 201 Introduction to Physical Education (3)**
Intended to orient the student to professional work in the field of physical education. Acquaints the student with outstanding leaders and their contributions, the history and the changing philosophies of physical education.
- 203 Anatomy and Kinesiology (3)**
A study of the skeletal system, nervous and muscular systems, with special emphasis on the mechanics of body motion and the relationship of anatomic structure to principles of physical education.
- 204 Physiology of Physical Activity (3)**
A study of muscles, blood, heart, blood vessels, lungs and respiratory mechanism. Detailed study will be focused on the chronic and acute adjustments of these organs to exercise of varying intensities. Prerequisite: Physical Education 203.
- 205 Organization of Physical Education and Intramurals (3)**
This course will provide the student with the necessary background in organizing and administering a desirable curriculum in physical education (elementary through high school) including intramurals.
- 206 Recreational Leadership (3)**
Methods and materials suitable for use in adult recreation, municipal and school playgrounds, community centers and camps.
- 207 Care and Prevention of Athletic Injuries (3)**
A study of accepted methods used to prevent athletic injuries. Instruction in administering first aid practices in emergencies. First semester with an emphasis on the elementary school child, second semester focusing on participants in interscholastic sports. (This course is not open to freshmen. It is intended during the second semester for physical education majors and minors only.)
- 208 Tests and Measurements in Physical Education (3)**
A study which includes elementary statistical procedures; the preparation and administration of skills, physical fitness, body mechanics, growth, motor ability, and written tests; and the use of these and other evaluative materials in the field.

209 Personal and Community Health (3)

A study of the physical, mental, and social dynamics of health with attention to the development of wholesome attitudes and habits of living; the recognition of problems requiring group action; and the methods of solving community health problems.

210 Community and School Recreation (3)

The development of the principles, history, and philosophy governing recreation in the school and community along with the place of the agencies that are involved in community recreation will be studied.

211 Nutrition and Physical Fitness (3)

A study of the essential nutrients and their functions. Attention will be given to meal planning, weight control, and diets for special conditions.

212 Coaching Theory of Basketball and Track and Field (3)

Eight weeks will be devoted to each sport. Emphasis on coaching skills, philosophies, and modern techniques of basketball and track. (Open to juniors and seniors only. Taught second semester. Student has option of taking second half of Physical Education 213.)

213 Coaching Theory of Volleyball and Baseball/Softball (3)

Eight weeks will be devoted to each sport. Emphasis on coaching skills, philosophies, and modern techniques of volleyball and baseball/softball. (Open to juniors and seniors only. Taught second semester. Student has option of taking second half of Physical Education 212.)

304 Skills and Methods I (3)

This course has a fourfold purpose. 1) To study the methodology associated with the teaching of team and individual sports in physical education. 2) To allow each student to experiment with the various methods in a laboratory setting. 3) To develop skill in the analysis of teaching in physical education. 4) To develop personal participation skills. The following activities will be taught: tennis, soccer, gymnastics, weight training/jogging, and movement education. Major and minor students only.

305 Skills and Methods II (3)

This course is a continuation of Physical Education 304. It is to be taken in the second semester of the same year in which Physical Education 304 is taken. Additional activities to be taught are: rhythmic, floor hockey, volleyball, new games, and speedball. Major and minor students only. Prerequisite: Physical Education 304.

306 Skills and Methods III (3)

This course, open only to professional physical education students, will place emphasis on how to teach the following activities: bowling, golf, racquetball, badminton, and wrestling/self-defense. Major and minor students only. Prerequisite: Physical Education 304.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Physical Education 391.

Physical Science

Teaching Minor—
(Secondary)

Astronomy 121, 122; Chemistry 103, 104; Physics 115, 116; one course from Geology 110, Physical Science 201; one course from Chemistry 201, 202, 203, 301, 302, 311, 312, Physics 206, 215, 216.

Approval Area

88—Physical Science

107 Introduction to Physical Science (3)

An introductory survey of the physical sciences (astronomy, chemistry, geology and physics) for non-science majors with particular attention given to the relationship between scientific discovery and theory in these sciences and the Christian faith. This course meets three hours a week.

201 Perspectives in Physical Science (3)

The coherence existing in the physical aspect of creation is used to develop a Christian attitude toward physical science. Various schools of thought are examined; differences between Christian and non-Christian approaches are included. Prerequisite: one year of high school physical science or a college course in one of the sciences. Open only to upperclassmen.

Physics

General Major— Physics 125, 126, 215, 216, 335, 336; Chemistry 301; Mathematics 112, 113, 201, 204; three courses from Physics 206, 325, 326, Chemistry 302.

Teaching Major—
(Secondary) Physics 125, 126, 206, 215, 216, 335, 336; Chemistry 301; Mathematics 112, 113, 201, 204; one course from Physics 301-305, 325, 326, 391.

Approval Areas

66—Physics

88—Physical Science (With Astronomy 121, 122; Geology 110 or Physical Science 201.)

Teaching Minor—
(Secondary) Physics 125, 126, 206, 215, 216; one course from physics or astronomy.

Approval Area

66—Physics

115 General Physics (4)

An introduction to the study of the physical aspect of reality. Topics covered include mechanics, kinetic theory, heat, thermodynamics, waves, and sound. Three lectures and one laboratory period per week.

116 General Physics (4)

Continuation of Physics 115. Light, electricity and magnetism, and topics in modern physics, e.g. quantum theory, relativity, physics of the atomic nucleus. Three lectures and one laboratory period per week.

125 Introductory Physics I: Mechanics, Waves, Sound (4)

An introduction to the study of the physical aspect of reality for students intending to continue in the physical sciences or engineering. Statics, dynamics, fluid mechanics, and waves will be covered. Three lectures and one laboratory period per week. Prerequisite or corequisite: Mathematics 112.

126 Introductory Physics II: Heat, Electricity, Magnetism (4)

Continuation of Physics 125. Topics covered include temperature, kinetic theory of gases, thermodynamics, electricity, and magnetism. Three lectures and one laboratory period per week. Prerequisite: Physics 125.

206 Electronics (4)

The course acquaints the student with the basic physics of electrons in matter, individual electronic components, and electronic circuits such as power supplies, amplifiers, and oscillators. Three lectures and one laboratory period per week. Prerequisite: Physics 116 or 126.

215 Introductory Physics III: Electromagnetic Waves, Optics, Modern Physics (3)

Continuation of Physics 126. Electromagnetic waves, geometrical and physical optics, quantum physics, atoms, solid state, and nuclei will be covered. Three lectures per week. Prerequisite: Physics 126.

216 Mechanics (4)

A study of methods in classical mechanics; dynamics of a particle, harmonic oscillator, central force motion, systems of particles, rotational dynamics, Lagrange's equations. Three lectures and one problem solving session per week. Prerequisites: Physics 116 or 126 and registration in Mathematics 204.

301-305 Research (1)

Original research in experimental or theoretical physics on an approved topic supervised by departmental staff. Prerequisites: Physics 116 or 126 and permission of department.

325 Theoretical Mechanics (3)

Lagrangian, and Hamiltonian dynamics, general rigid body motion, theory of vibrations and waves, relativistic particle mechanics are studied. Three lectures per week. Prerequisites: Physics 216; Mathematics 201.

326 Electromagnetic Theory (3)

A course in the mathematical theory of electricity and magnetism. Three lectures per week. Prerequisites: Physics 215; Mathematics 201, 204.

335 Modern Physics (4)

Developments in modern physics: special relativity, atomic nature of matter and electricity, wave and particle aspects of electrons and light, quantum theory. Three lectures and one laboratory period per week. Prerequisites: Physics 116 or 126; Mathematics 113.

336 Modern Physics (3)

Continuation of Physics 335. A study of atomic and molecular structure, solid state physics, quantum statistics and nuclear physics. Three lectures per week. Prerequisites: Physics 335; Mathematics 201, 204.

341-348 Special Topics (3)

These courses cover areas in physics not already discussed in other courses. They are special interest courses offered on the basis of student demand and instructor competency and availability. The prerequisite(s) will depend on the topics covered.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Physics 391.

Political Science

General Major— Political Science 201, 212, 220, 233, 370; five elective courses in political science.

Teaching Minor—
(Secondary)

Political Science 201, 212, 214, 220, 222; two courses from Political Science 233, 310, 311, 312.

Approval Area

71—American Government

201 Introduction to Politics (3)

An introduction to the political dimension of life from a biblically oriented perspective. This course examines the components (e.g. political culture, ideology, institutions, etc.) which shape and direct the principles and practice of politics in the contemporary world. Special attention is given to a major world issue (e.g. nuclear arms) to stimulate students to think Christianly about politics.

210 International Relations (3)

An introduction to the contemporary relations among nations with a consideration of the issues of war and peace, international organizations, law, integration, economic interdependence and relations among the superpowers.

212 American National Politics (3)

A general introduction to the American political process—its foundations, external influences, institutions, political actors and policies.

214 Community Politics (3)

This course provides a basic introduction to the political process at the state and local level, examining the role of the individual citizen, various groups, and governmental institutions. Attention is given to the special policy demands at the state and community level, their links with the federal government and the particular character of small-town politics.

220 Parties, Elections and Voting Behavior (3)

An examination of contemporary forms of political participation in the United States with focus on the party system, voting patterns, campaigns, the role of special interests and electoral processes.

222 Public Policy (3)

This course introduces the public policy process in the United States: exploring the socio-cultural context, the defining characteristics of the political system, the phases of the policy process and examining several selected policy areas (e.g. education, the environment, energy, health care).

- 233 Comparative Government and Policy (3)**
An introduction to the politics and government of Western Europe with an emphasis on the relationship between the political system and its policy output. Special consideration is given to consociational democracy as an alternative to the dominant majoritarian model.
- 310 Foundations of Political Thought (3)**
A study of the emergence and development of political thought, examining the contributions of Plato, Aristotle, Augustine, Aquinas and others through the use of both primary and secondary sources.
- 311 Modern Political Thought (3)**
The emergence and triumph of secular humanism as the foundation of a new conception of politics considered by an investigation of the work of Machiavelli, Hobbes, Locke, Rousseau, Hegel, Marx, and others through the nineteenth century.
- 312 Contemporary Political Ideologies (3)**
This course explores the competing views of the social order and the state embodied in the major ideologies and movements of the twentieth century, including communism, socialism, liberalism, fascism, anarchism, nationalism and the New Left. These contrasted with Dooyeweerd's theory of public justice and the political community.
- 322 American Constitutional Law (3)**
The American Constitution as interpreted by the Supreme Court. An analysis of leading cases contributing to an understanding of both the historical development of constitutional law and the recent developments in constitutional law in reference to civil liberties.
- 332 Canadian Government and Politics (3)**
The institutions, ideologies, and processes of Canadian political life will be studied, with special attention given to the federal structure, parliamentary system, political parties, and cultural diversity.
- 341-348 Special Topics (3)**
Courses designed to be of special interest and value to students utilizing strengths and skills of the individual instructor. Topics cover material not regularly treated in depth in regularly scheduled courses, and have included American Political Thought and Urban Studies.
- 370 Advanced Seminar in Political Science (3)**
A course required of all majors and open to upper-level students from other departments interested in exploring selected issues, institutions, or characteristics of contemporary American politics in light of a biblical view of justice, the state, and responsible Christian citizenship. Topics have included the Presidency, interest-group liberalism, the Christian Right, foreign policy and the welfare state, and may vary according to interests and requirements of students and staff.
- 391 Individual Studies (3)**
Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.
- 392 Individual Studies (3)**
Same as Political Science 391.

Psychology

General Major— Psychology 201, 207, 301, 310; six courses in psychology.
Teaching Minor—
(Secondary) Psychology 201, 207, 210; four courses in psychology.
Approval Area
87—Psychology

- 201 General Psychology (3)**
An introduction to the field of psychology. The course surveys the areas of motivation, perception, learning, personality, and development. Consideration is given to various philosophical presuppositions and underlying contemporary psychology, and an attempt is made to understand the various problems in terms of a biblical view of man.

205 Developmental Psychology I (3)

The study of the growth and development of the individual from conception through adulthood, focusing on personality, cognitive, moral, and social development. This is the first course in a two course sequence with particular emphasis on the prenatal through early adolescent development stages. Prerequisite: Psychology 201.

206 Developmental Psychology II (3)

A continuation of Psychology 205 with particular emphasis on the adolescent through adult stages of development. Prerequisite: Psychology 201. Recommended: Psychology 205.

207 Elementary Statistics (3)

An elementary course in probability theory, statistical techniques and methods, and the application of these techniques to the field of psychology.

210 Social Psychology (3)

The study of individual psychological processes as they influence and are influenced by socio-cultural situations, with extended treatment given to impression formation, nonverbal communication, attitudes and persuasion, conformity and commitment, group processes, interpersonal attraction and sexuality, social motives, and the problems of prejudice, and discrimination. Prerequisite: Psychology 201.

221 Physiological Psychology (3)

An introduction to the physiological/biological processes involved in human psychology. Primary emphasis will be on relating brain and nervous system functioning with basic psychological processes, such as motivation, emotion, sleeping, learning, memory, and abnormal behavior. In addition, several topical areas will be addressed including alcoholism, drug addiction, homosexuality, physiology of sexual differences, psychosomatic disorders, and a Christian perspective on the mind-body-soul dilemma. Prerequisite: Psychology 201.

225 Abnormal Psychology (3)

A study of the development and symptoms of emotional and behavioral problems. Topics covered will include: neurosis, schizophrenia, sexual deviations, affective disorders, personality disorders, psychosomatic disorders, and the process of adjustment to stress. Attention will be given to personality, social and religious factors, and their role in mental health. Prerequisite: Psychology 201.

301 Experimental Psychology (4)

Application of experimental methodology to primarily the areas of learning and perception. Exercises in laboratory research and formal written reports will be required. The experimental method itself will be evaluated in light of current studies of experimenter bias and experimenter effects and the relationship between the experimental method and the Christian faith discussed. Three lectures and one laboratory period per week. Prerequisites: Psychology 201, 207.

302 Learning and Behavior Modification (3)

The study of the basic processes of learning along with the major theories and research which have been used to investigate the learning process. The major positions in the field to be examined will include: classical conditioning, operant conditioning, and cognitive approaches to learning. A major emphasis will be to compare behavioristic and cognitive approaches to learning, assessing both in the light of God's Word. Extensive consideration will also be given to the use of behavior modification techniques and biofeedback in clinical and educational settings and how Christians should approach such techniques.

303 Theories of Personality (3)

Study of the structure and nature of personality as viewed by Freud, Jung, Adler, Fromm, Horney, Sullivan, Murray, Lewin, Allport, Rogers, behavioristic theories and several Christian-oriented theories. Prerequisite: Psychology 201.

310 History and Systems of Psychology (3)

A brief study of the historical development of psychological theories from the ancient world to the present, with extended treatment given to major contemporary movements or perspectives in psychology (especially psychoanalysis, behaviorism, humanism, and phenomenology) and to recent attempts by Christians to "integrate" theology and psychology. Prerequisites: Psychology 201; Philosophy 201.

315 Introduction to Counseling (3)

Introductory course in counseling theory emphasizing the dynamics of the counseling process and characteristics of the counseling relationship in the light of biblical directives concerning human nature, purpose, responsibility and conduct. Prerequisites: a minimum of three courses in psychology and junior or senior status.

341-348 Special Topics (3)

Each of these courses is designed to be a special interest course utilizing individual instructor strengths, interests, and competencies. Each topic will be concerned with material not usually treated to any great extent in regularly scheduled courses.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Psychology 391.

Reading

Teaching Minor –

(Secondary) Education 206/326, 303, 327; Linguistics 201, 301, 371; English 301.

Approval Area

91 – Reading

Social Science

General Major – History 201, 202; four history courses numbered 200 or above; Economics 201, 202; Political Sciences 201, 212; Sociology 201, 207, 210; Sociology 215 or 216; three courses from economics, history, political science, and sociology.

Teaching Major –

(Secondary) Economics 201, 202; Geography 201; History 100, 200, 201, 202, 391; Political Science 201, 212; Sociology 201, 207; Sociology 215 or 216; two courses from History 305, 309, 311, 312; two courses from History 203, 205, 207, 209, 210, 211, 215, 303, 341-348; two courses from Economics 303, 305, 315; two courses from Political Science 214, 220, 233, 310, 311, 312, 333; one course from Sociology 210, 211, 215, 216, 301, 302.

Approval Areas

72 – American History

73 – World History

75 – All subjects in History and Social Science

Teaching Minor – (taken with history major)

(Secondary) Economics 201, 202; Political Science 201, 212; Sociology 201; Sociology 215 or 216; Geography 201; one course from Economics 303, 305, 315; one course from Political Science 214, 220, 233, 310, 311, 312; one course from Sociology 207, 210, 211, 215, 216, 301, 302.

Approval Area

*75 – All subjects in History and Social Science

*If combined with a history major

Social Work

NOTE: See Social Work Program, pages 43-45 for general information about the Social Work Program and the requirements for application to the program.

General Major— Psychology 205, 210; Social Work 225, 226, 303, 304, 310, 312, 315, 325, 374; Sociology 207, 307; Sociology 215 or 216; one course from economics, political science, psychology, or sociology.

225 Introduction to Social Work (3)

A survey of the major fields of social work practice and of the problems with which they deal. It will include agency field visits. Overarching this survey will be a concern for the Christian's individual and collective responsibility for the health and welfare of his neighbor and community.

226 The History and Theory of Social Welfare and Social Work (3)

This course will examine the history and development of social welfare; and the philosophy, theory, and practice of social work as a response to the health and welfare needs of society.

303 Child and Family Welfare Policy (3)

A study of child and family welfare policy and practice including an analysis of how society's ideological, political, and economic concerns affect agency organization and practice.

304 Aging and Social Work (3)

This will be a three-part study of aging including an overview of the sociological and social-psychological aspects of aging; major social problems of later life; and social work with older adults.

310 Practice Methods I (3)

An overview of general systems theory as a basis for developing an integrated social work practice model. Special emphasis will be given to the development of student interactional skills on individual and group levels. (Open to junior social work majors or by permission of instructor.)

312 Practice Methods II (3)

A continuation of Social Work 310 with an emphasis on practice on the institution and community levels. (Open only to senior social work majors.)

315 Social Welfare Policy (3)

A study of the dimensions of choice in social welfare design and an analysis of the process and stages of social welfare policy development.

325 Integrative Seminar in Social Work (3)

An opportunity for students to reflect on and tie together the academic and field work experience with a special emphasis on discussion regarding major practice and value dilemmas confronted by the student. (Open only to senior social work majors.)

374 Field Work Experience (9)

The field work course is designed to provide the student with the opportunity to learn to apply and use the knowledge, principles, and skills gained in the classroom in a helping situation toward the development of the student as a social worker. (Open only to senior social work majors.)

Sociology

General Major— Sociology 201, 207, 210, 301, 307; five courses from sociology and/or Social Work 303, 304, 315.

Teaching Minor—
(Secondary)

Sociology 201, 207, 210; Sociology 215 or 216; three courses from sociology and/or Social Work 225, 303, 304.

Approval Area

74—Sociology

201 Principles of Sociology (3)

Sociology focuses on the social landscape which shapes how we think, feel and behave. The course introduces the field of sociology and provides an overview of major sociological topics, such as culture, socialization, deviance, minorities, sex roles, the family, religion and population. Students are encouraged to critique sociological theory from a biblical basis and build a Christian sociological perspective.

207 Elementary Statistics (3)

An elementary course in probability theory, statistical techniques and methods, and the application of these techniques to the field of sociology.

210 Social Psychology (3)

A study of the individual in relation to social situations including treatment of social motivation, attitude development and change, conscience formation, conformity, and small group interaction. Prerequisite: Psychology 201 or Sociology 201.

212 Sociology of Rural Life (3)

A study of the structural and functional aspects of rural American society. Changing characteristics of rural life, values and institutions are critiqued in light of population trends, new technology and innovative agricultural practices. Prerequisite: Sociology 201 or permission of instructor.

214 Urban Sociology (3)

A study of factors in the growth of cities, urban population, the ecology of the city, urban institutions, urban disorganization and planning for urban renewal and reformation considered in the light of a biblical perspective. Prerequisite: Sociology 201 or permission of instructor.

215 Sociology of Deviance (3)

An analysis of the extent, pattern and causes of deviancy in modern society in the light of the biblical view of man. Major attention is given to behavior which differs from social expectations in the areas of crime and delinquency, drug use, alcoholism, mental disorders, and sexual deviance. Prerequisite: Sociology 201.

216 Racial and Ethnic Minorities in Society (3)

A course designed to examine in depth the patterns and ideology of intergroup relations, particularly in America. The approach will be a combination of lectures on key sociological concepts, discussions, speakers, and reports emphasizing material pertinent to each issue or group studied. At least one field experience is planned.

240 Sociology of Mass Communication (3)

This course is an introduction to the concept of mass communication and its application to electronic and written media. The course will survey the historical development of the technology, effects, and theory of the media through major issues. Prerequisite: Sociology 201.

301 Sociological Theory and History (3)

The development of sociology with emphasis on its European background and formative stage in twentieth century United States. Appraisal of the major schools of sociological thought with special emphasis upon the theoretical development in contemporary sociology in Europe and North America. Prerequisite: Sociology 201.

302 Marriage and Family (3)

A study of contemporary marriage and family, which includes an analysis of how society impacts on family and marriage. The course actively seeks to place current issues and themes within a Christian perspective (sex roles, sexuality, work and marriage, divorce, remarriage). Prerequisites: Sociology 201 or Psychology 201; junior or senior standing.

307 Methods of Social Science Research (3)

An introduction to the research process as applied to the study of problems/issues in social science. Problem selection, research design, measurement, methods of observation and data collection, data analysis and interpretation and report-writing will be emphasized. A module on microcomputer utilization and the application of descriptive statistics is presented for application in student projects. Prerequisites: Sociology 207; Math 107; Psychology 207; junior or senior standing.

341-348 Special Topics (3)

Each of these courses is designed to be a special interest course utilizing individual instructor strengths, interests, and competencies. Each topic will be concerned with material not usually treated to any great extent in regularly scheduled courses.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Sociology 391.

Spanish

General Major—	Spanish 201, 202, 206, 302; Linguistics 201; five courses from Spanish 101, 102, 207, 208, 301, 341-348, 391, 392; four semesters of Spanish conversation 251-258. Study abroad courses are recommended.
Teaching Major— (Secondary)	Spanish 201, 202, 206, 301, 302, 391; Linguistics 201; two courses (one of which must be in the area of literature) from Spanish 102, 207, 208, 341-348, 392; four semesters of Spanish conversation 251-258. Study abroad courses are recommended. <i>Approval Area</i> 57—Spanish
Teaching Minor— (Secondary)	Spanish 201, 202, 206, 301, 302; one course from Spanish 102, 341-348, 391; two semesters of Spanish conversation 251-258. Study abroad courses are recommended. <i>Approval Area</i> 57—Spanish

101 Elementary Spanish (4)

Emphasis on the basic structure of the language, core vocabulary, and pronunciation. Assigned work in the language laboratory.

102 Elementary Spanish (3)

Continuation of Spanish 101. Prerequisite: one year of high school Spanish or Spanish 101.

201 Intermediate Spanish (3)

A review of the grammatical structure of Spanish, with an emphasis on the nature of language. Attention is given to listening, speaking, reading, and writing skills, vocabulary, and culture. Prerequisite: two years of high school Spanish or Spanish 102.

202 Literary and Cultural Readings (3)

This course is designed to develop the reading skill and an appreciation for Spanish literature and culture. Emphasis upon contemporary literature. Permission will be granted for individual readings in academic areas of interest to the student. Prerequisite: Spanish 201 or equivalent.

206 Spanish Culture (3)

This course is designed to present various aspects of the way of life of the Hispanic people. Listening and speaking skills will be developed through the classroom activities. Prerequisite: Spanish 201 or equivalent.

207 World Literature (3)

See English 207. Students who wish this course to be listed as a Spanish course will be assigned their paper based on Spanish readings.

208 World Literature (3)

See English 208. Students who wish this course to be listed as a Spanish course will be assigned their paper based on Spanish readings.

251-258 Conversation (1)

A conversation course will be offered each year. The course is designed to give the student practice in listening and speaking. The content of the course will be altered each year. The class will meet two times a week; one hour of preparation per week. Prerequisite: Spanish 102.

301 Spanish Phonology (3)

See Linguistics 301. The principles and universals of phonology will be studied. A direct application will be made to the Spanish language.

302 Advanced Spanish Grammar (3)

This course is designed especially for those who will be teaching the language or who desire a better understanding of the structure of the language. The scope of grammar will be approached systematically. Prerequisite: Spanish 201 or equivalent.

341-348 Special Topics (3)

The topics for these courses will be chosen from areas of literature, advanced language studies, culture or teaching methods. The offering of the course as well as the content will reflect student interest and need. Prerequisite: departmental approval.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Spanish 391.

Theatre Arts

General Major— Theatre Arts 201, 202, 203, 207, 208, 340; Communication 212, 312; two courses from English 312, Theatre Arts 364, 365; one course from Theatre Arts 371, 373, 375, 377, 380; four units from Theatre Arts 011-051.

011 Light/Sound Design and Tech (1)**013 Properties Master (1)****015 Production Design (1)****017 Makeup Design and Application (1)****019 Costuming (1)****021 Voice Instruction (1)****023 Individual Acting (1)****025 Ensemble Acting (1)****027 Stage Movement (1)****029 Music Performance (1)****031 Directing (1)****033 Stage Management (1)****035 House Management (1)****051 Choral Theatre (1)****201 Introduction to Theatre (3)**

An introduction to the history and literature of theatre, with half the course devoted to workshops in acting, lighting, set design and construction, costuming, publicity, and makeup. Designed to benefit students who will direct programs in performance of skits, plays, or pageants.

202 Fundamentals of Acting (3)

Studies of and practices in the art and craft of acting. Concentration, physicalization, textural analysis, text and character analysis, vocalization, control, use of space, stage geography, approaches to acting, and acting styles.

203 Essentials of Stage Scenery (3)

An overview of the various components of technical theatre and an introduction to the artistic skills necessary for the technical theatre artist. Course includes theoretical grounding and a practicum.

207 Theatre History, Greek through Neoclassical (3)

History of the theatre, from Sophocles to Goethe, in all of its dimensions (stage design, acting, conventions, professionalism, etc.). Readings in dramatic works.

208 Theatre History, Romantic to Present (3)

A continuation of Theatre Arts 207 with an emphasis on the rise of realism in the late nineteenth century, and the reaction in the twentieth century. Readings in dramatic works.

302 Advanced Acting (3)

A study of acting styles and various approaches to character development, through analysis of character and application of acting techniques. Selected scenes to be enacted. Prerequisite: Theatre Arts 202.

310 Directing (3)

A study of some of the problems which are part of the directing process and some of the theories which have shaped that process. Selected one-act plays to be directed and performed. Prerequisite: Theatre Arts 201.

340 Voice Production, Pedagogy, and Performance (3)

A study of the physiology, psychology, and acoustics of producing laryngeal sound for the stage actor and singer.

364 Modern Drama 1880-1920 (3)

A study of the dramatic literature which gave definition to realism. Included: Ibsen, Strindberg, Hauptmann, Chekhov, Gorki, Shaw, and Synge.

365 Modern Drama Since 1920 (3)

A course in contemporary dramatic literature from North America and Europe. Included: Kaiser, Pirandello, O'Neill, Giraudoux, Genet, Anouilh, Sartre, Brecht, Miller, Osborne, Beckett, Durenmat, Albee, and Pinter.

371 Applied Theatre – Directing (3)

The course content in directing will be designed for each individual in consultation with a departmental supervisor. The course requirements will be met by three enrollments, normally in three consecutive semesters. Open only to majors, teaching minors, and elementary education minor students.

373 Applied Theatre – Acting (3)

The course content in acting will be designed for each individual in consultation with a departmental supervisor. The course requirements will be met by three enrollments, normally in three consecutive semesters. Open only to majors, teaching minors, and elementary education minor students.

375 Applied Theatre – Design (3)

The course content in design will be designed for each individual in consultation with a departmental supervisor. The course requirements will be met by three enrollments, normally in three consecutive semesters. Open only to majors, teaching minors, and elementary education minor students.

377 Applied Theatre – Technical Theatre (3)

The course content in technical theatre will be designed for each individual in consultation with a departmental supervisor. The course requirements will be met by three enrollments, normally in three consecutive semesters. Open only to majors, teaching minors, and elementary education minor students.

380 Playwriting Workshop (3)

This course provides basic instruction in playwriting and a context in which students may explore their skills in dramatic scripting. Registration by permission of the department and only after a minimum of one semester of work in the workshop setting.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Theatre Arts 391.

Theology

General Major— Theology 210; two courses from Theology 211, 212, 215, 216; one course from Theology 201, 202, 204; two courses in theology numbered 300 or above; four courses in theology beyond Theology 101.

101 Perspectives in Biblical Theology (3)

A survey of biblical revelation in its progressive unfolding of key ideas and institutions against their cultural-historical background and within their covenant setting. Emphasis is placed on the normativity of Scripture, which reaches its fullness and fulfillment in Christ, for all academic work.

201 History of Christian Confessions (3)

A study of the history of the Church's response to God's Word as this response comes to expression in the significant ecclesiastical confessions. Emphasis is placed on the historical context in which the confessions, particularly those of the Reformed churches, were made.

202 History of Western Christianity (3)

This course attempts to create a better understanding of the origin, nature, and history of Western Christianity. Emphasis will be placed on crises that have threatened and shaped Christianity in our civilization. In tracing forces of reformation and deformation that have been operative in Western Christendom, special notice will be taken of peculiar features of Calvinistic Christianity.

204 Calvin's Institutes (3)

A study and discussion of the mature thought of John Calvin as found in the 1559 edition of his **Institutes of the Christian Religion**.

210 The Scriptures (3)

The chief objective of this course is to gain insights into the nature and role of Scripture. By way of introduction, such topics as the origin, inspiration, canonicity, translations, and basic principles of the interpretation of the Bible will be covered. By way of application, we will study specific passages and/or books of the Bible in order to demonstrate the relevance of the Bible for our day to day living.

211 Historical Writings of the Old Testament (3)

An in-depth study of the Pentateuch and historical writings of the Old Testament. The course will deal with the nature of the historical writings and their interpretation in terms of the history of redemption.

212 Wisdom and Prophecy (3)

An in-depth study of the main features of Old Testament wisdom and prophecy. An analysis will be made of the content, structure, and applications of specific Old Testament writings.

215 New Testament Theology I – The Gospels (3)

This course studies the message of the gospels in the light of such factors as principles for their correct interpretation, their cultural-historical context, their place in redemptive history, and theological issues which have been raised with respect to them.

216 New Testament Theology II – The Epistles (3)

Using Acts as a historical framework for the epistles of the New Testament, this course analyzes the contents of the letters in the light of sound hermeneutical principles, their place in redemptive history, and theological issues raised with respect to them.

301 History of Reformed Theology (3)

This course consists of a review of basic terms and issues in Reformed systemic theology, which in turn forms the basis for assigned readings from various Reformed theologians since Calvin. Discussion is focused on major issues and figures in the history of Reformed theology. Students may opt to write a term paper. It is advised that students take Theology 204 before enrolling in this course.

302 Mission and Evangelism (3)

This course develops a biblical theology of mission and evangelism, by which it tests major movements and issues in past and contemporary mission and evangelism, and to which it relates both problems and career opportunities in this field.

305 North American Protestantism (3)

Mainly an orientational and partly an in-depth study of outstanding characteristics of Protestantism in Canada and in the United States. Attention will be given to such movements as Puritanism, Revivalism, Social Gospel, Fundamentalism, Evangelicalism, Presbyterianism, and Reformed Christianity.

307 Major World Religions (3)

A study of major non-Christian religions of the world including Animism, Hinduism, Shinto, Buddhism, and Islam. Of special concern is the world and life view advanced by each religion and its manifestations in culture and society.

309 Inter-Testamentary Studies (3)

A study of Israel and its surrounding nations between Judah's Fall in 586 B.C. and the Fall of Jerusalem in A.D. 70. Emphasis will be placed on a study of Jewish Dispersion, Maccabees, Zealots, Pharisees, Sadducees, Apocryphal Books, and the coming of Christ in the fullness of time.

311 Heresies and Sects (3)

A survey of various confessional aberrations and consequent rise of different sects. Special attention will be given to the connections between all of this and the implied anthropologies and views of reality, in general, and culture and society, in particular.

341-348 Special Topics (3)

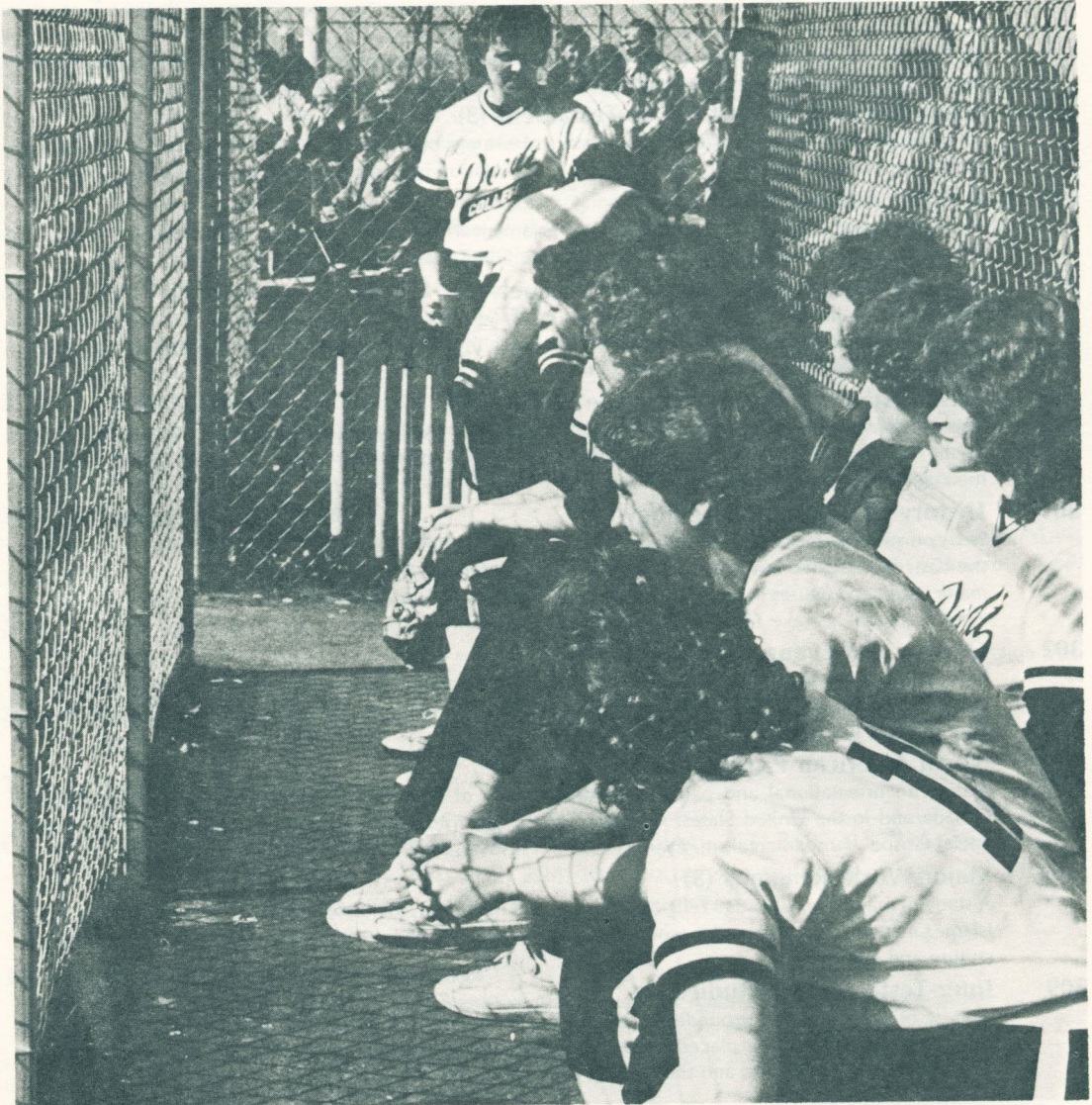
These courses will cover a different topic each semester and each is designed to be a special interest course utilizing individual instructor strengths, interests, and competencies. Each course will cover a topic in theology not usually treated in-depth in regularly scheduled courses.

391 Individual Studies (3)

Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for application procedures and policies governing individual studies.

392 Individual Studies (3)

Same as Theology 391.



College Personnel

BOARD OF TRUSTEES

OFFICERS

Chairman	Rev. Tom Vanden Heuvel
Vice Chairman	Mr. Cornie Broek
Secretary	Rev. Duane Tinklenberg
Treasurer	Mr. Bernard De Wit
Adjunct	Mr. Allen Vis

MEMBERS

Mr. Don Ahrenholz	Renville, Minnesota
Mr. Paul Anema	Sanborn, Iowa
Mr. Cornie Broek	Sioux Center, Iowa
Mr. Delbert Broek	Sioux Center, Iowa
Mr. Harold De Vries	Lynnville, Iowa
Mr. Wayne Graves	Dike, Iowa
Rev. Norman Haan	Worthington, Minnesota
Rev. John Hellinga	Sioux Center, Iowa
Rev. Duane Tinklenberg	Sioux Center, Iowa
Mr. Charles Vaandrager	Ocheyedan, Iowa
Rev. Tom Vanden Heuvel	Orange City, Iowa
Rev. Peter Vander Weide	Oskaloosa, Iowa
Rev. William Van Hal	Holland, Iowa
Mr. Allen Vis	Edgerton, Minnesota



ADMINISTRATIVE PERSONNEL

OFFICE OF THE PRESIDENT

JOHN HULST (1968), *College President.*

A.B., Calvin College; B.D., Calvin Theological Seminary; Th.M., Calvin Theological Seminary; Th.D., Iliff School of Theology.

OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS

ABRAHAM BOS (1962), *Associate Professor of German; Associate Academic Dean.*

A.B., Calvin College; A.M., University of South Dakota.

DOUGLAS RIBBENS (1955), *Professor of Education; Vice President for Academic Affairs; Registrar.*

A.B., Calvin College; A.M., University of Chicago; Ed.D., Colorado State College.

OFFICE OF ADMISSIONS AND FINANCIAL AID

DONNA DE VRIES (1973), *Assistant Director of Financial Aid.*

MICHAEL EPEMA (1978), *Associate Director of Financial Aid.*

A.B., Dordt College.

HOWARD HALL (1970), *Director of Admissions and Financial Aid.*

A.B., Calvin College; A.M., University of South Dakota.

PETER HAMSTRA (1981), *Associate Director of Admissions.*

A.B., Dordt College.

JEFF PASTOOR (1984), *Admissions Counselor.*

A.B., Dordt College.

OFFICE OF THE BUSINESS MANAGER

BERNARD DE WIT (1966), *Vice President for Business.*

A.B., Augustana College.

MARVIN DE YOUNG (1958), *Professor of Physics; Director of Auxiliary Services.*

A.B., Calvin College; A.M., University of South Dakota; Ph.D., University of the Pacific.

FRED HAAN (1978), *Director of Printing.*

DARREL RAIH (1979), *Comptroller.*

A.B., Dordt College; M.B.A., University of South Dakota.

CORNELIUS RYLAARSDAM (1972), *Assistant to the Vice President for Business.*

A.B., Calvin College.

OFFICE OF STUDENT AFFAIRS

JOHN DE JAGER (1983), *Director of Resident Life.*

A.B., Calvin College; M.A., University of Michigan.

KAREN HELDER (1979), *Counselor.*

A.B., Dordt College; M.S., Eastern Michigan University.

QUENTIN VAN ESSEN (1979), *Career Counselor and Director of the Counseling Center.*

A.B., Dordt College; M.S., St. Cloud State University.

MARION VAN SOELEN (1977), *Dean of Students.*

B.S., University of Iowa; M.A., University of Iowa; M.A., University of South Dakota.

OFFICE OF DEVELOPMENT

HAROLD DE WIT (1976), *General Representative.*

VERLYN DE WIT (1975), *Director of Financial Planning.*

A.B., Dordt College.

LYLE GRITTERS (1969), *Vice President for Development.*

B.S., University of South Dakota.

DALE WALVORT (1979), *Development Representative.*

A.B., Dordt College.

LIBRARY

LOUISE HULST (1968), *Librarian.*

A.B., Calvin College; M.A., University of South Dakota.

EMMA VANDEN BERG (1967), *Reference Assistant.*

THE FACULTY

CHARLES ADAMS (1979), *Associate Professor of Engineering.*

B.S., New Jersey Institute of Technology; M.S., Rensselaer Polytechnic Institute; M.A., Montclair College.

JOANNE ALBERDA (1967), *Assistant Professor of Art.*

A.B., Calvin College; M.S., Montana State University.

WILLIS ALBERDA (1964), *Professor of Mathematics.*

A.B., Calvin College; M.S., Montana State University; Ph.D., Montana State University.

SYNE ALTENA (1968), *Professor of Physical Education.*

A.B., Westmar College; A.M., Michigan State University; M.A., Central Michigan University; Ed.D., University of Arkansas.

DALLAS APOL (1965), *Professor of Foreign Language.*

A.B., Calvin College; A.M., University of Michigan; Ph.D., University of Minnesota.

ARTHUR ATTEMA (1980), *Instructor in Business Education.*

A.B., Dordt College.

DUANE BAJEMA (1977), *Instructor in Agriculture.*

B.S., University of Minnesota.

KORNELIS BOOT (1969), *Associate Professor of Linguistics.*

A.B., Dordt College; M.A., University of North Dakota; M.A., University of Washington.

ABRAHAM BOS (1962), *Associate Professor of German; Associate Academic Dean.*

A.B., Calvin College; A.M., University of South Dakota.

GERALD BOUMA (1969), *Professor of Music.*

A.B., Northwestern College; M.M., Arizona State University; Ed.D., Arizona State University.

KENNETH BUSSEMA (1974), *Professor of Psychology.*

B.S., Northern Arizona University; M.A., Northern Arizona University; Ed. D., Northern Arizona University.

DAVID CAMPBELL (1982), *Instructor in Communication.*

A.B., Covenant College; M.A., University of Maryland.

PAO-FANG CHANG (1982), *Instructor in Computer Science.*

M.A., Chen-Chi University; M.S., University of Iowa; M.A., University of Iowa.

DOUGLAS DE BOER (1984), *Instructor in Engineering.*

B.S.E. University of Michigan; M.S.E., University of Michigan.

FRED DE JONG (1982), *Assistant Professor of Sociology and Social Work.*

A.B., Dordt College; M.S.W., University of Minnesota; M.P.A., University of Minnesota.

MARTIN DEKKENGA (1969), *Associate Professor Communication.*

A.B., Calvin College; A.M., University of Northern Iowa; A.M., University of South Dakota.

KAREN DE MOL (1984), *Associate Professor of Music.*

A.B., Calvin College; M.M., University of Michigan.

HENRY DE VRIES (1978), *Assistant Professor of Agriculture.*

A.B., Calvin College; M.S., Cornell University.

MARVIN DE YOUNG (1958), *Professor of Physics; Director of Auxiliary Services.*

A.B., Calvin College; A.M., University of South Dakota; Ph.D., University of the Pacific.

RICHARD EIGENBROOD (1982), *Instructor in Education.*

A.B., Dordt College; M.Ed., University of Washington.

DANIEL EISMA (1984), *Instructor in Business Administration.*

A.B., Dordt College; C.P.A.

GEORGE FABER (1974), *Professor of Education.*

A.B., Calvin College; M.A., Western Michigan University; Ph.D., Western Michigan University.

EDWIN GEELS (1965), *Professor of Chemistry.*

B.S., Calvin College; Ph.D., Iowa State University.

DALE GROTENHUIS (1959), *Professor of Music.*

A.B., Calvin College; M.M., Michigan State University.

MERLYN GULKER (1982), *Assistant Professor of Business Administration.*

B.S., Central Michigan University; M.A., Michigan State University.

HOWARD HALL (1970), *Director of Admissions and Financial Aid.*

A.B., Calvin College; A.M., University of South Dakota.

ROBERT HILBELINK (1979), *Instructor in Accounting.*

B.S.B.A., University of Denver; C.P.A.

RICHARD HODGSON (1969), *Associate Professor of Astronomy.*

A.B., Swarthmore College; M.Div., Union Theological Seminary; Th.M., Westminster Theological Seminary.

JOHN HOFLAND (1983), *Lecturer in Theatre Arts.*

A.B., Dordt College; M.Ed., University of Minnesota; M.F.A., Trinity University.

BERYL HUGEN (1984), *Instructor in Sociology and Social Work.*

A.B., Calvin College; M.S.W., Western Michigan University.

MARVIN HUISMAN (1983), *Assistant Professor of Computer Science.*

A.B., Calvin College; M.S., George Washington University.

JOHN HULST (1968), *College President.*

A.B., Calvin College; B.D., Calvin Theological Seminary; Th.M., Calvin Theological Seminary; Th.D., Iliff School of Theology.

LOUISE HULST (1968), *Librarian.*

A.B., Calvin College; M.A., University of South Dakota.

CALVIN JONGSMA (1982), *Associate Professor of Mathematics.*

B.S., Calvin College; M.A., Western Michigan University; Ph.D., University of Toronto.

DONALD KING, JR. (1982), *Assistant Professor of Political Science.*

A.B., Gordon College; M.A., Tufts University; A.B.D., Tufts University.

WAYNE KOBES (1973), *Assistant Professor of Theology.*

A.B., Dordt College; B.D., Calvin Theological Seminary; Th.M., Calvin Theological Seminary.

ARNOLD KOEKKOEK (1964), *Associate Professor of History.*

A.B., Calvin College; A.M., University of Iowa.

JOHN KOK (1983), *Assistant Professor of Philosophy.*

A.B., Trinity Christian College; Dr.S., Free University of Amsterdam.

JAMES KOLDENHOVEN (1962), *Associate Professor of Theatre Arts.*

A.B., Calvin College; A.M., University of South Dakota.

JASPER LESAGE (1984), *Assistant Professor of Economics.*

A.B., Brock, University; M.A., University of Toronto; Ph.D., University of Toronto.

EDWARD LOTTERMAN (1982), *Instructor in Business Administration.*

A.B., University of Minnesota-Minneapolis; M.S., University of Minnesota-St. Paul.

RUSSELL MAATMAN (1963), *Professor of Chemistry.*

A.B., Calvin College; Ph.D., Michigan State University.

JAMES MAHAFFY (1979), *Assistant Professor of Biology.*

A.B., Dordt College; M.S., University of Illinois.

NORMAN MATHEIS (1977), *Associate Professor of Art.*

B.S.D., University of Michigan; M.F.A., University of Michigan.

NOBUYA MATSUDA (1984), *Studies Institute Fellow in Music.*

B.A., American Conservatory of Music; M.A., American Conservatory of Music.

ROCKNE McCARTHY (1979), *Professor of Political Science and Coordinator of the Dordt College Studies Institute.*

A.B., Grinnel College; B.D., Covenant Theological Seminary; Ph.D., St. Louis University.

AALDERT MENNEGA (1964), *Professor of Biology.*

A.B., Calvin College; A.M., Michigan State University; Ph.D., Michigan State University.

VERNE MEYER (1977), *Associate Professor of Theatre Arts.*

A.B., Calvin College; M.A., Marquette University.

PAUL MOES (1982), *Assistant Professor of Psychology.*

A.B., Dordt College; M.S., Montana State University; Ph.D., Texas Christian University.

LARRY REYNOLDS (1969), *Professor of Education.*

A.B., Calvin College; M.A.T., Seattle University; Ed.D., University of Northern Colorado.

LEONARD RHODA (1970), *Professor of Physical Education.*

A.B., Calvin College; A.M., Michigan State University; Ed.D., Brigham Young University.

DOUGLAS RIBBENS (1955), *Professor of Education; Vice President for Academic Affairs; Registrar.*

A.B., Calvin College; A.M., University of Chicago; Ed.D., Colorado State College.

JOAN RINGERWOLE (1967), *Professor of Music.*

A.B., Calvin College; M.M., Eastman School of Music; D.M.A., University of Iowa.

JAMES SCHAAP (1976), *Associate Professor of English.*

A.B., Dordt College; M.A., Arizona State University.

- MARY SCHUTTEN** (1984), *Instructor in Physical Education*.
A.B., Calvin College; M.A., California State University.
- JAMES SKILLEN** (1978), *Adjunct Professor of Political Science*.
A.B., Wheaton College; M.A., Duke University; Ph.D., Duke University.
- MICHAEL STAIR** (1977), *Instructor in Theatre Arts*.
A.B., Bethel College; M.A., University of Wisconsin.
- GLORIA GORIS STRONKS** (1979), *Associate Professor of Education*.
A.B., Calvin College; M.A., Western Kentucky University; Ed.D., Northern Illinois University.
- WILLIAM STRONKS** (1979), *Professor of Foreign Language*.
A.B., Calvin College; M.A.T., Vanderbilt University; Ph.D., Vanderbilt University.
- JOHN STRUYK** (1969), *Professor of Foreign Language*.
A.B., Calvin College; A.M., University of Waterloo; Ph.D., University of Waterloo.
- WAYNE TINGA** (1983), *Associate Professor of Engineering*.
B.S., University of Alberta; M.S., University of Alberta; Ph.D., University of Alberta.
- JACK VANDEN BERG** (1967), *Associate Professor of English*.
A.B., Calvin College; A.M., University of Iowa.
- MARLIN VANDEN BOSCH** (1968), *Professor of English*.
A.B., Calvin College; A.M., University of Iowa; Ph.D., University of Iowa.
- MARIAN VANDER ARK** (1970), *Professor of Education*.
A.B., Calvin College; M.S., Montana State University; Ed.D., University of Denver.
- RICHARD VANDER BERG** (1977), *Instructor in Physical Education*.
A.B., Northwestern College; M.A., South Dakota State University.
- DARYL VANDER KOOI** (1971), *Professor of Communication*.
A.B., Calvin College; M.S., Montana State University; Ed.D., Montana State University.
- RANDALL VANDER MEY** (1980), *Assistant Professor of English*.
A.B., Calvin College; M.A., University of Pennsylvania; M.F.A., University of Iowa.
- JOHN VANDER STELT** (1968), *Professor of Theology and Philosophy*.
A.B., Calvin College; B.D., Free University of Amsterdam; Th.D., Free University of Amsterdam.
- DELMAR VANDER ZEE** (1969), *Professor of Biology*.
A.B., Dordt College; M.A., Western Michigan University; M.S., Iowa State University; Ph.D., Washington State University.
- JOHN VAN DYK** (1966), *Professor of Philosophy*.
A.B., Calvin College; A.M., University of Michigan; Ph.D., Cornell University.
- LOUIS Y. VAN DYKE** (1963), *Professor of History*.
A.B., Calvin College; M.A., University of Washington; D.A.T., University of North Dakota.
- NOLAN VAN GAALEN** (1983), *Instructor in Engineering*.
B.S., Calvin College and University of Michigan; B.S.E., University of Michigan; M.S., University of Alberta.
- MARION VAN SOELEN** (1977), *Associate Professor of Physical Education; Dean of Students*.
B.S., University of Iowa; M.A., University of Iowa; M.A., University of South Dakota.
- CHARLES VEENSTRA** (1976), *Professor of Communication*.
A.B., Dordt College; M.A., Northern Illinois University; Ph.D., University of Nebraska.

ARNOLD VELDKAMP (1971), *Associate Professor of Mathematics.*

A.B., Calvin College; M.Ed., Western Washington State; M.A., University of Illinois.

KENNETH VENHUIZEN (1977), *Associate Professor of Sociology and Social Work.*

A.B., Calvin College; M.S.W., University of Washington; ACSW.

TOM VISKER (1978), *Assistant Professor of Physical Education.*

A.B., Calvin College; M.A., Western Michigan University.

JOHN VISSER (1976), *Assistant Professor of Business Administration.*

B.S., University of Illinois; M.B.A., DePaul University.

EUGENE WESTRA (1984), *Guest Instructor in Education.*

A.B., Calvin College; M.S.T., Wisconsin State University.

HELEN WESTRA (1984), *Associate Professor of English.*

A.B., Calvin College; M.A., University of Michigan; Ph.D., University of Notre Dame.

JAMES WOULDSTRA (1984), *Instructor in Physical Education.*

B.S., Northwestern College; M.S., South Dakota State University.

JOHN ZINKAND (1958-1965, 1969), *Professor of Classical Languages and Theology.*

A.B., Wheaton College; A.M., John Hopkins University; B.D., Westminster Theological Seminary; Th.M., Westminster Theological Seminary; Ph.D., Brandeis University.

JOHN ZWART (1983), *Instructor in Physics.*

A.B., Calvin College; M.S., Michigan State University; Ph.D., Michigan State University.



DEGREES GRANTED 1984

Bachelor of Arts

Delwyn H. Allsach, Parkersburg, Iowa
 Zachary G. Anderson, Colorado Springs, Colorado
 Jack Thomas Andringa, Sanborn, Iowa
 Steven Mark Anema, Ripon, California
 Jacob Atsma, Mt. Angel, Oregon
 Sharon Irene Bakker, St. Catharines, Ontario
 Joann Beenen, Vergennes, Vermont
 LeRoy Berentschot, Inwood, Iowa
 Kenneth W. Beukelman, Blomkest, Minnesota
 Terry Alan Boer, Ocheyedon, Iowa
 Donna Sue Bolkema, Hull, Iowa
 Leon Jay Bolkema, LeMars, Iowa
 Veronica F. Bos, Redcliff, Alberta
 Rosalie Fay Bosma, Granger, Washington
 Bette Jo Bouma, Edgerton, Minnesota
 Jon Eric Broek, Orange City, Iowa
 Kevin Jay Broek, Sioux Center, Iowa
 Michael S. Broekhuis, Sioux Falls, South Dakota
 Garret Jacob Brouwer, Escondido, California
 Kristen Sue (Kramer) Brouwer, Lynden, Washington
 Vance Joel Brower, Luverne, Minnesota
 John A. Buikema, Winnipeg, Manitoba
 Wendel Buys, Melvin, Iowa
 Kimberly Jean (Kosters) Bylsma, Denver, Colorado
 Timothy Bylsma, Denver, Colorado
 Sharon Kay Danielson, Armona, California
 Bradley Peter De Boer, Sioux Falls, South Dakota
 Lenore Lea De Boer, Littleton, Colorado
 Clarence A. Deelstra, Wyoming, Ontario
 Cheryl Ann De Groot, Lismore, Minnesota
 Marlene Rae De Jong, Orange City, Iowa
 Lynn Michelle De Kruyf, Puyallup, Washington
 Kelvin Dale Den Boer, Reading, Minnesota
 Kevin Dean Den Boer, Reading, Minnesota
 Nancy (Grevengoed) DeNooy, Hull, Iowa
 Douglas De Stigter, Sioux Center, Iowa
 Judy Renee De Wit, Doon, Iowa
 Cheryl Lynn De Young, Clinton, Mississippi
 Graeme S. Dondale, Ottawa, Ontario
 Robert Drenten, Zeeland, Michigan
 Kathleen (Arends) Druvenga, Ackley, Iowa
 Sandra Jean Dykhouse, Volga, South Dakota
 Clarice Jean Dykstra, Orange City, Iowa
 Michael Tim Dykstra, Sioux Falls, South Dakota
 Wendy Ann Dykstra, Burdett, Alberta
 Bradley Dean Eisma, Ireton, Iowa
 Sharla Jone Eisma, Ireton, Iowa
 Jill Renee Elgersma, Sanborn, Iowa
 Sharon Elgersma, Surrey, British Columbia
 Rosalind Kay Epema, Kerkhoven, Minnesota
 Ken Faber, Winnipeg, Manitoba
 Patricia Fisher, Wyckoff, New Jersey

Rudolph Homer Folkerts, Chilliwack, British Columbia
 Franklin J. Folkertsma, Everson, Washington
 Ruby Gietema, Abbotsford, British Columbia
 Theresa Carolyn Gietema, Salem, Oregon
 Crystal Marie Greiman, Garner, Iowa
 Kenneth J. Griffioen, Fenelon Falls, Ontario
 William Grisnich, Picture Butte, Alberta
 Brenda Sue Gritters, Hull, Iowa
 Lyndon Scott Gritters, Sioux Center, Iowa
 Troy Nathan Groeneweg, Sheldon, Iowa
 Jerry Todd Haak, Outlook, Washington
 Bruce Jon Hagen, Orange City, Iowa
 Elizabeth Anne Hall, Manassas, Virginia
 Sandra Elaine Harmelink, Sheboygan, Wisconsin
 Reg Harris, Lethbridge, Alberta
 Robert A. Helder, Grand Rapids, Michigan
 Mark Heystek, Lynden, Washington
 Teresa Ann Hiemstra, George, Iowa
 Judith Lynn Hilbelink, Sioux Center, Iowa
 Frederick Holwerda, Jr., Hudsonville, Michigan
 Calvin R. Hoogendoorn, Westbrook, Ontario
 Carla (Groenendyk) Hoogendoorn, Oskaloosa, Iowa
 Jean Iris Hop, Rock Rapids, Iowa
 David James Horstman, Sioux Center, Iowa
 Jay Horstman, Sanborn, Iowa
 Judith Ann Huitsing, Highland, Indiana
 Tom H. Huizenga, Brandon, Manitoba
 Albertena Paula Huls, Chatham, Ontario
 Edward Jager, Calgary, Alberta
 Sylvia Jager, Calgary, Alberta
 Rex Janssen, Steamboat Rock, Iowa
 Robert J. Johnson, Schaumburg, Illinois
 Daryl E. Kats, Long Island, Kansas
 Koreen Kay Kelley, Ideal, South Dakota
 Jeanne Denise Koekkoek, Sioux Center, Iowa
 Brent L. Kok, Corsica, South Dakota
 Mary Sue Koll, Grand Rapids, Michigan
 Darryl Dean Kooiman, Rock Valley, Iowa
 Pamela Mae Kooistra, Inwood, Iowa
 Bradley Arlo Kraayenbrink, Ireton, Iowa
 Brenda Kragt, Milaca, Minnesota
 Steve Kramer, Worthington, Minnesota
 Robert Jay Kroese, Sioux Center, Iowa
 Dennis G. Kroll, Edgerton, Minnesota
 David G. Kroon, Waupun, Wisconsin
 Karen Ranae Kruid, Hawarden, Iowa
 Philip S. Kruis, Gallup, New Mexico
 Kent Leon Kuipers, Platte, South Dakota
 Kurt Alan Kuipers, Platte, South Dakota
 Stan Kuperis, Barrhead, Alberta
 Don Lammers, Denver, Colorado
 Sarah Lorraine Larson, Livermore, Iowa

Oune Van Lo, Hull, Iowa
 Betty Lotterman, Sioux Center, Iowa
 Cindy Lou Lourens, Ottumwa, Iowa
 John D. Maas, Lynden, Washington
 Leanne Maas, Corsica, South Dakota
 Kamella Lynne (Venhuizen) Manus, Sioux Center, Iowa
 Kerry Eugene Manus, German Valley, Illinois
 Andrew J. Marcus, San Ysidro, California
 Enno J. Meijers, Sioux Center, Iowa
 John A. Meyer, St. Thomas, Ontario
 Brian Lynn Meyerink, Platte, South Dakota
 Douglas Miedema, Hospers, Iowa
 Grace Dianne Moes, Calgary, Alberta
 Rochelle Joy Molenaar, Tempe, Arizona
 Joseph Paul Mulder, Waupun, Wisconsin
 Loren Jay Mulder, Orange City, Iowa
 Melody Mulder, Pipestone, Minnesota
 Sandra Kay (Van Beek) Mulder, Randolph, Wisconsin
 Joyce (Ebberts) Nagel, Sheboygan, Wisconsin
 Dawn Nagelkirk, Fremont, Michigan
 Peggy Jo (Gifford) Nieuwenhuis, Delavan, Wisconsin
 Karen Ruth Niewenhuis, Platte, South Dakota
 Peter Noteboom, Orange City, Iowa
 Jeffrey W. Pastoor, Kohler, Wisconsin
 Leroy Dale Plagerman, Lynden, Washington
 Lynn Renae Postma, Orange City, Iowa
 Myron Postma, Orange City, Iowa
 Mary Reitsma, Ingersoll, Ontario
 Sally Katherine Reitsma, Lombard, Illinois
 Bruce A. Rens, Sheldon, Iowa
 Frank Riewald, Hagersville, Ontario
 Cynthia Lynne Ripperdan, Vinton, Iowa
 Kevin Roozing, Sioux Center, Iowa
 James E. Rosendale, Evergreen Park, Illinois
 Russell Rowenhorst, Orange City, Iowa
 Aljean Schaap, Ackley, Iowa
 Diane Kae Scholten, Inwood, Iowa
 Marla Beth Scholten, Hull, Iowa
 James Schuller, Sibley, Iowa
 Lydia Ann Schuurman, Clinton, Ontario
 Katherine N. Smit, Brandon, Manitoba
 Russell W. Smith, Englewood, Colorado
 Sherrie Lynn Sudenga, Sunnyside, Washington
 Jacquelyn Bernice Swets, Delavan, Washington
 Bradley Tebben, Clara City, Minnesota
 Kathleen Jo Theune, Sheboygan, Wisconsin

Carol Lynn Tiemeyer, Charlotte, Michigan
 Don Top, Everson, Washington
 David W. Vaags, Dugald, Manitoba
 Judith Lorraine Vaags, Dugald, Manitoba
 Ken Van Abbema, Bowmanville, Ontario
 Mark A. Van Beek, Denver, Colorado
 Linda Van Dam, Edgerton, Minnesota
 Corrine VanDenBroek, Mountain, Ontario
 Jane Marie Vanden Heuvel, Orange City, Iowa
 Judy Lynn Vander Hart, Pella, Iowa
 Madelyn (Kosters) Vander Heul, Rock Valley, Iowa
 Betty Jean Vander Linden, Pella, Iowa
 Pauline Vander Lugt, Burlington, Ontario
 Brian Jay Vander Plaats, Sheldon, Iowa
 Arie James Van Der Weide, Bellflower, California
 David Vander Werf, Colton, South Dakota
 Janie Van Dyke, Sanborn, Iowa
 Harvey Cornelius Van Egmond, Escondido, California
 Delwyn Van Essen, Edgerton, Minnesota
 Karen Renee Van Gilst, Oskaloosa, Iowa
 Douglas Alan Van Gorp, Leighton, Iowa
 David F. Van Kley, Rock Valley, Iowa
 Jody L. (Krommendyk) Van Kley, Sioux Falls, South Dakota
 Kryn G. Van Loon, Jefferson, Oregon
 Barbara Van Maanen, Rock Valley, Iowa
 Marlys Faye Van Maanen, Hull, Iowa
 Mark Evan Van Wyk, Orange City, Iowa
 Loren D. Van Zanten, Luverne, Minnesota
 Dale Alan Vegter, Delavan, Wisconsin
 Brent Michael Veldkamp, Sioux Center, Iowa
 John T. Veltkamp, Manhattan, Montana
 Pamela Ranae Veltkamp, Holland, Minnesota
 Marcia Vis, Rock Valley, Iowa
 Lewis Visscher, Platte, South Dakota
 Jerry C. Vos, Burdett, Alberta
 Joan Evelyn Vreeman, Anchorage, Alaska
 Michael Bennett Vruwink, Grand Rapids, Michigan
 Kevin John Vryhof, Hanford, California
 Andrew John Werkhoven, Monroe, Washington
 Brian Westra, Pella, Iowa
 Janice Eileen Westra, Hull, Iowa
 James A. Winters, Milaca, Minnesota
 Cheryl Wolterstorff, Renville, Minnesota
 Sandy Wolthuis, Kalamazoo, Michigan
 Peter Wu, Shi-ja-zhuang, China
 Christine (Vanderkleed) Wynia, Sioux Center, Iowa

Associate of Arts

Patricia J. Alons, Sanborn, Iowa
 Susan Kay Andringa, Stanwood, Washington
 Teri Ann Andringa, Cerritos, California
 Douglas J. Attema, Tyndall, South Dakota
 Brenda Lou Bleyenbergh, Edgerton, Minnesota
 Sheila Marie Bonnema, Prinsburg, Minnesota
 Tena Marie Bruinsma, Custer, Washington
 Sandra K. Fedders, Englewood, Colorado
 Jerry Fynaardt, New Sharon, Iowa
 Kevin Ray Gortsema, Grangeville, Idaho
 Karen E. Graves, Dike, Iowa
 Ruth Hartman, Mt. Lehman, British Columbia
 Andrew J. Hiemstra, Aylmer, Ontario
 Robert Hoekstra, Delavan, Wisconsin
 Mike Huizinga, Wainfleet, Ontario
 Terri Kamstra, Milaca, Minnesota
 Suszan Dee Kats, Thousand Oaks, California
 Lisa Kaye Katsma, Randolph, Wisconsin
 Andrea Christine Knevel, St. Catharines, Ontario
 Keith Herbert Korthuis, Lynden, Washington
 Rosemari (Fey) Kroll, Edgerton, Minnesota
 Thea June Leep, Shelbyville, Michigan
 Ellen Joy Matheis, Sioux Center, Iowa
 Carol Ann Meyerink, Platte, South Dakota

Kathy (Dykstra) Mulder, Zeeland, Michigan
 Kim Pikkert, Lacombe, Alberta
 Bert W. Reitsma, Wendell, Idaho
 Jodi Lea Risseeuw, Cedar Grove, Wisconsin
 John Mark Scheuers, Waupun, Wisconsin
 Douglas L. Schuller, Orange City, Iowa
 Ann E. Sikma, Norwich, Ontario
 Ellen Jean Sluis, Edgerton, Minnesota
 Geraldine Carol Tjaarda, Bakersfield, California
 Lora Van Bemmell, Orange City, Iowa
 Tim Vander Molen, New Sharon, Iowa
 Jacqueline Kay Van Tol, Melvin, Iowa
 Gail Lynn Van Voorst, Sioux Center, Iowa
 Lois Van Zee, Harrison, South Dakota
 Irene Margaret Veerbeek, Smithers, British Columbia
 Anita E. Veluw, Iron Springs, Alberta
 Shari Joan Veurink, Harrison, South Dakota
 Ruth L. Vinup, Seattle, Washington
 Lisa Beth Vis, Hull, Iowa
 Evelyn A. Westervelt, Brinston, Ontario
 Pamela Mavis Wind, Abbotsford, British Columbia
 Walter Zandstra, Thunder Bay, Ontario
 Wilma Zomer, Sharon, Wisconsin
 Carol J. Zylstra, Duvall, Washington

Enrollment 1983-1984

	Men	Women	Total
Freshmen	163	222	385
Sophomores	142	149	291
Juniors	116	93	209
Seniors	113	91	204
Special	<u>7</u>	<u>17</u>	<u>24</u>
TOTAL	541	572	1113

Geographic Distribution

Alaska	1
Arizona	9
California	82
Colorado	31
Florida	7
Idaho	2
Illinois	22
Indiana	9
Iowa	437
Kansas	3
Louisiana	1
Massachusetts	1
Michigan	34
Minnesota	96
Mississippi	2
Montana	13
Nebraska	6
New Jersey	8
New Mexico	7
New York	2
North Dakota	1
Ohio	1
Oregon	10
South Dakota	42
Vermont	3
Virginia	2
Washington	69
Wisconsin	51
Alberta	52
British Columbia	26
Manitoba	12
Nova Scotia	1
Ontario	61
Prince Edward Island	1
Saskatchewan	3
China	1
Nigeria	2
The Philippines	1
Turkey	1

TOTAL

1113

The Academic Calendar

1984-85	1985-86	Day	Activity
Aug. 29	Aug. 28	Wednesday	Orientation - Registration
Aug. 29	Aug. 28	Wednesday	Convocation - 7:00 P.M.
Aug. 30	Aug. 29	Thursday	Classes begin - 8:00 A.M.
Oct. 4,5	Oct. 3,4	Thurs.-Fri.	Reading Days - Tri-State Institute - No classes
Nov. 21	Nov. 20	Wednesday	Thanksgiving Recess - 12:00 Noon
Nov. 27	Nov. 26	Tuesday	Classes resume - 8:00 A.M.
Dec. 17	Dec. 16	Monday	Review Day - A.M.
Dec. 17	Dec. 16	Monday	Testing - P.M.
Dec. 18-20	Dec. 17-19	Tues.-Thur.	Testing - A.M. and P.M.
Jan. 16	Jan. 15	Wednesday	Second Semester begins - 8:00 A.M.
Mar. 21	Mar. 20	Thursday	Spring Vacation - 12:00 Noon
Apr. 2	Apr. 1	Tuesday	Classes resume - 8:00 A.M.
May 6	May 5	Monday	Review Day - A.M.
May 6	May 5	Monday	Testing - P.M.
May 7-9	May 6-8	Tues.-Thurs.	Testing - A.M. and P.M.
May 10	May 9	Friday	Commencement - 10:00 A.M.

ALL CORRESPONDENCE SHOULD BE MAILED TO
DORDT COLLEGE, SIOUX CENTER, IOWA 51250
TELEPHONE 712-722-3771

Requests for specific information should be addressed as follows:

General policies and interest of the college THE PRESIDENT, 712-722-6000
Academic matters; curriculum and instruction THE VICE PRESIDENT FOR
ACADEMIC AFFAIRS, 712-722-6030
Student affairs; personal welfare and health of students THE DEAN OF
STUDENTS, 712-722-6070
Transcripts of credits; grade points THE REGISTRAR, 712-722-6030
Admissions; catalogs; application forms THE DIRECTOR OF
ADMISSIONS, 712-722-6080
Payments of accounts; general business matters THE VICE PRESIDENT
FOR BUSINESS, 712-722-6010
Financial aid; scholarships; grants THE DIRECTOR OF
FINANCIAL AID, 712-722-6080
Publicity; gifts; annuities; offerings; news information; estate planning; alumni affairs; special
subscribers; church relations THE VICE PRESIDENT
FOR DEVELOPMENT, 712-722-6020
Student advising and career placement THE DIRECTOR OF
CAREER PLACEMENT, 712-722-6070



25. Physical Education Building (Gymnasium)
26. Campus Maintenance Center
27. Communications Center (Radio Station KDCR)
28. Student Housing – Mobile Homes
29. Intramural Athletic Field
30. East Campus Apartments
31. Indoor Swimming Pool
32. Tennis Courts
33. Municipal Stadium
34. Baseball Field
35. TePaske Theatre

NOTE: The Dordt College Agriculture Stewardship Center is located two miles north of Sioux Center on Highway 75.

INDEX

Academic Calendar	124	Early Childhood Education	74
Academic Policies	34	Economics	71
Academic Probation	37	Education	72
Academic Program	30	Educational Opportunity Grants	17
Academic Standing	37	Elementary Education	48, 72
Accounting	54	Engineering	78
Accreditation	3	English	82
ACT Requirement	12	English as a Second Language	85
Administrative Personnel	114	Enrollment	122
Admission Requirements	11	Ensembles	8
Admission Notification	12	Entrance Test	11
Agriculture	54	Expenses	14
Agri-Business	54		
Aim of Dordt	2	Faculty	115
Application Procedure	11	Fees	16
Art	55	Financial Aids	14, 17
Associate of Arts	32	Foreign Students	12
Astronomy	57	French	85
Athletics	6		
Attendance	34	General Education	86
Audit Policies	35	General Education Requirements	30
		Geographic Distribution	123
Band	8	Geography	86
Biology	58	German	87
Board of Trustees	113	Grade Point Average	30, 36
Buildings	3	Grade Reports	37
Business Administration	60	Grading System	35
Business Education	62	Graduate Study	52
		Graduates	120
Campus	3	Grant-in-Aid	14
Campus Map	125	Greek	88
Canada Student Loan	20	Guaranteed Student Loans	18
Changing Courses	35		
Chapel	6	Hebrew	88
Chemistry	64	History	89
Choir	8	History of Dordt	2
Chorale	8	Housing	9
Christian Commitment	6	Housing Regulations	10
Classical Languages	65		
Classification of Students	34	Individual Studies	42, 90
Clubs	7	Intramurals	7
Club Sports	7		
College Publications	8	Job Placement	9
Communications/Speech	65		
Computer Science	68	Latin	91
Concert Band	8	Linguistics	91
Concert Choir	8	Loans	18-19
Concurrent Enrollment	36	Location	3
Counseling	9		
Course Descriptions	54	Majors	40
Credits	34	Management Information Systems	91
		Mathematics	91
Data Processing	68	Meals	10
Degree Requirements	30	Mechanical Engineering	78
Degrees Granted	120	Medical Insurance	15
Dropping Courses	35	Medical Technology	40
Dutch	69	Music	93
		Musical Activities	8
		Music Grants	24

National Direct Student Loans	18
Natural Science	96
Non Discrimination Policy	11
Observatory	5
Off-Campus Programs	51
Orchestra	8
Part-time Fees	14
Pass-Fail Option	36
Payments	16
Pell Grants	17
Philosophy	97
Physical Education	98
Physical Science	100
Physics	101
Political Science	102
Pre-Dental	40
Pre-Legal	40
Pre-Medical	40
Pre-Nursing	40
Pre-Optometry	40
Pre-Pharmacy	40
Pre-Physical Therapy	40
Pre-Seminary	40
Pre-Veterinarian	40
Programs of Study	40
Psychology	103
Radio Station	4
Reading	105
Refunds	16
Registration	13
Repeating Courses	35
Room & Board	15

Scholarships	23
Freshman	23
Upper Class	24
Tuition	25
Special	24-29
Secondary Education	48
Secretarial Science	62
Social Activities	7
Social Science	105
Social Work	105
Social Work Program	43
Sociology	106
Spanish	108
Special Education Aide	74
Special Programs	21
Special Students	12
Student Activities	6
Student Load	34
Student Services	9
Sunday Worship	6
Teacher Aide	74
Teacher Certification	47
Teacher Education Program	46
Theatre Arts	109
Theology	110
Transcripts	37
Transfer Admissions	12
Tuition	14
Two Year Programs	32
Veteran's Benefits	21
Withdrawal	35
Work-Study Program	21



DORDT COLLEGE

SIOUX CENTER, IOWA

