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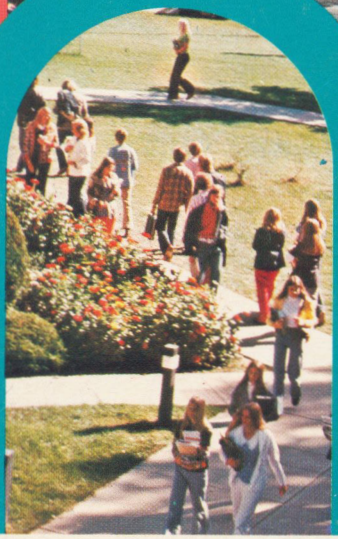
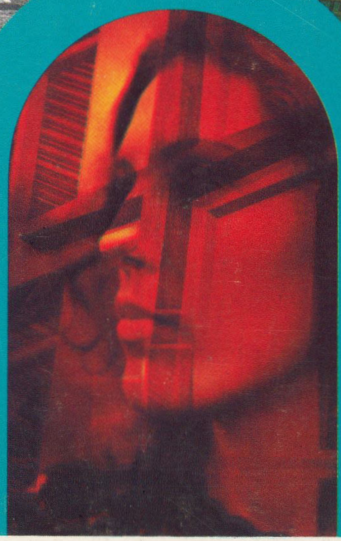
1978-1979 DORDT COLLEGE CATALOG





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Dordt College-1977-1978

The Aims

Dordt College is controlled by an incorporated free society. The members of this society desire Christian higher education, which is in agreement with their Reformed, Calvinistic principles. The constituents honor the Bible as the divinely inspired, infallible, inscripturated Word of God, the only rule for faith and practice. In the face of varying interpretations of Scripture, the constituents of Dordt College are bound by the interpretation articulated in the Three Formulae of Unity — **The Belgic Confession,** the **Heidelberg Catechism,** and the **Canons of Dort.** These Formulae of Unity are in agreement with and flow out of the Calvinistic understanding of the Scriptures. Calvinism, which finds its source primarily in John Calvin's **Institutes of the Christian Religion,** is a world-and-life view, which seriously seeks to apply the principles of Scripture to all areas of life. The sovereignty of God is the basic principle in this system. All instruction at Dordt College must arise out of commitment to the Reformed faith as expressed in the Three Formulae of Unity. Dordt College understands Christian formal education as that which contributes to the edification of Christian character, i.e. the total person in all his aspects (physical, emotional, social, intellectual, spiritual), so that he may realize himself in all his capabilities and opportunities as God's image-bearing servant under Christ and rightly fulfill his purpose in society.

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's 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, 2 parks, a football-stadium track, and a new indoor swimming pool adjacent to the Dordt campus which is available to all Dordt students. 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 Class Room 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, and several faculty offices.

The newer section of the building features 2 200-seat lecture halls and 5 classrooms. The building also contains Public Relations, College Development, and College President's offices.

The Music-Administration Building — Built in 1962, the Music-Administration Building offers complete facilities for the Music program. The building contains rehearsal and recital rooms for all of the musical organizations on campus as well as vocal and instrumental practice rooms and music faculty offices. 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 Aids, the Admissions Counselors for the College, and the Director of Student Programming and Placement.

The Library — The new library was occupied in the fall of 1966. This building provides book shelving for over 85,000 volumes and seating for 300 students. The library contains a workroom, a librarian's office, a circulation area, a reference section, reading areas, book stacks, a periodicals section including microforms, a curriculum laboratory, a music-language laboratory, conference rooms, and a career information center. The building also contains a Dutch archives collection.

The Natural Sciences Building — The building was completed in September of 1968. This building contains three biology labs, three chemistry labs, a physics lab, three research labs, facilities for study and research of live plants and animals, a darkroom, a shop, storage rooms, eight faculty offices, one lecture room, one seminar room, and a greenhouse.

The Commons — The first section of the Commons was completed in 1964. Wings were added in 1966 and 1969. 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, a 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. This building has a gymnasium which can be divided into two sections for physical education classes. When used for athletic events the gymnasium will seat 2200 people. The building also contains four offices, a classroom, locker rooms, a weight room, an intra-mural equipment office, 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, the college bookstore, and the office of the Assistant Dean of Students.

On the lower level is a four-lane bowling alley, billiard and ping pong tables, a darkroom, and student publications offices.

Astronomical Observatories — Two astronomical observatories, located off campus and privately owned by Professor Hodgson, 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 — This apartment complex includes 8-three bedroom apartments equipped to facilitate light housekeeping and laundry for 42 students.

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 withdrawn readily 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. The Dean of Students, assisted by Dr. De Jong and Rev. Kobes, stands ready to 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.

In keeping with this understanding, the Office of Student Programming and Placement seeks to insure and maintain continued personal contact with students, especially in regard to their needs for direction in planning courses of study and subsequent careers. Coordinated effort is made to maintain a close contact with students through dormitory counselors, faculty, and others concerned with the well-being of students on the Dordt College campus.

This office also provides individual counseling for students in need of its services. Goal awareness is a major aspect of success at the college level. God has given each of His children unique interests and abilities. Career satisfaction is dependent on whether or not one's interests and abilities are in keeping with that career. The Office of Student Programming and Placement seeks to help the student to clarify his interests and abilities, so that satisfactory career goals may be set.

Placement services are offered to those graduates who are seeking full-time employment. Each year credentials are prepared for students registered with the 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 Tri-State Conference, National Association of Intercollegiate Athletics, and the Association of Intercollegiate Athletics for Women. As a member of the Tri-State Conference, 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 and tennis. Competition for women is scheduled in basketball, softball, volleyball and track. A variety of sports clubs are organized to compete with students from nearby colleges on a less-formal basis.

Intramurals

A year-round program of intramural sports gives all students an opportunity to take part in physical recreational activities, both competitive and non-competitive. The entire intramural program is planned and carried out by the student intramural council. Physical recreation is provided through such activities as: archery, badminton, basketball, bowling, jogging, softball, table tennis, volleyball, touch football, swimming, cycling, and decathlon.

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-Camping Club
Sportsman's Club
Soccer Club
Table-Tennis Club

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

Clubs

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

Biology Club
Film Club
Future Business Executives Club
Opera Guild
Phi Kappa Sigma
Physics Club
Pre-Seminary Club
Service Club
Thalians
Varsity Club
Women's Tennis 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 the Student Union Activities Committee. Students are encouraged to attend the Fine Arts Festivals, the college sponsored Travelogue Series, the Annual Music Festival, the Christmas Party, the Spring Banquet 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 upper classmen 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.

College Publications

DORDT COLLEGE DIAMOND, the school newspaper published bi-weekly by the students.

THE SIGNET, an annual student publication is 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, an Executive Board promotional paper, presents articles and information of interest to students and the society members.

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

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

DORDTELL, the quarterly Alumni Newsletter.

HOUSING

On-and Off-Campus Housing

All unmarried freshman students, with the exception of those who live at home or with relatives, are required to room in one of the college dormitories. When and if the dormitories are filled, upperclassmen may be assigned to off-campus, college-approved housing at the discretion of the Dean of Students. The charge for rooms per semester in private homes is the same as in the college dormitories and residences except in the case of light housekeeping facilities. This room rent is paid to the college not to the home owner.

Room 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 1st. Room reservations will be made in the order that room deposits are received. 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 $25.00. This deposit will be applied to the first semester's rent.

Housing Regulations

Rooms are furnished with necessary articles of furniture, such as beds, mattresses, pillows, desks, chairs, and dressers. Students provide their own blankets, bedspread, towels, and washcloths. Students should bring their own irons. Weekly linen service is provided at a nominal charge. The students who live in College dormitories must make use of the College approved plan for weekly linen service. This service is also available to students living off campus.

The student, by applying for a room and paying a deposit, obligates himself to occupy that room for the entire year or for such portion of the year as he may attend Dordt. Each room contract terminates at 10:00 a.m. the day 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, the dormitory and the residence halls will be closed. The college will make arrangements for those who cannot go home or to a friend's home during these vacation periods.

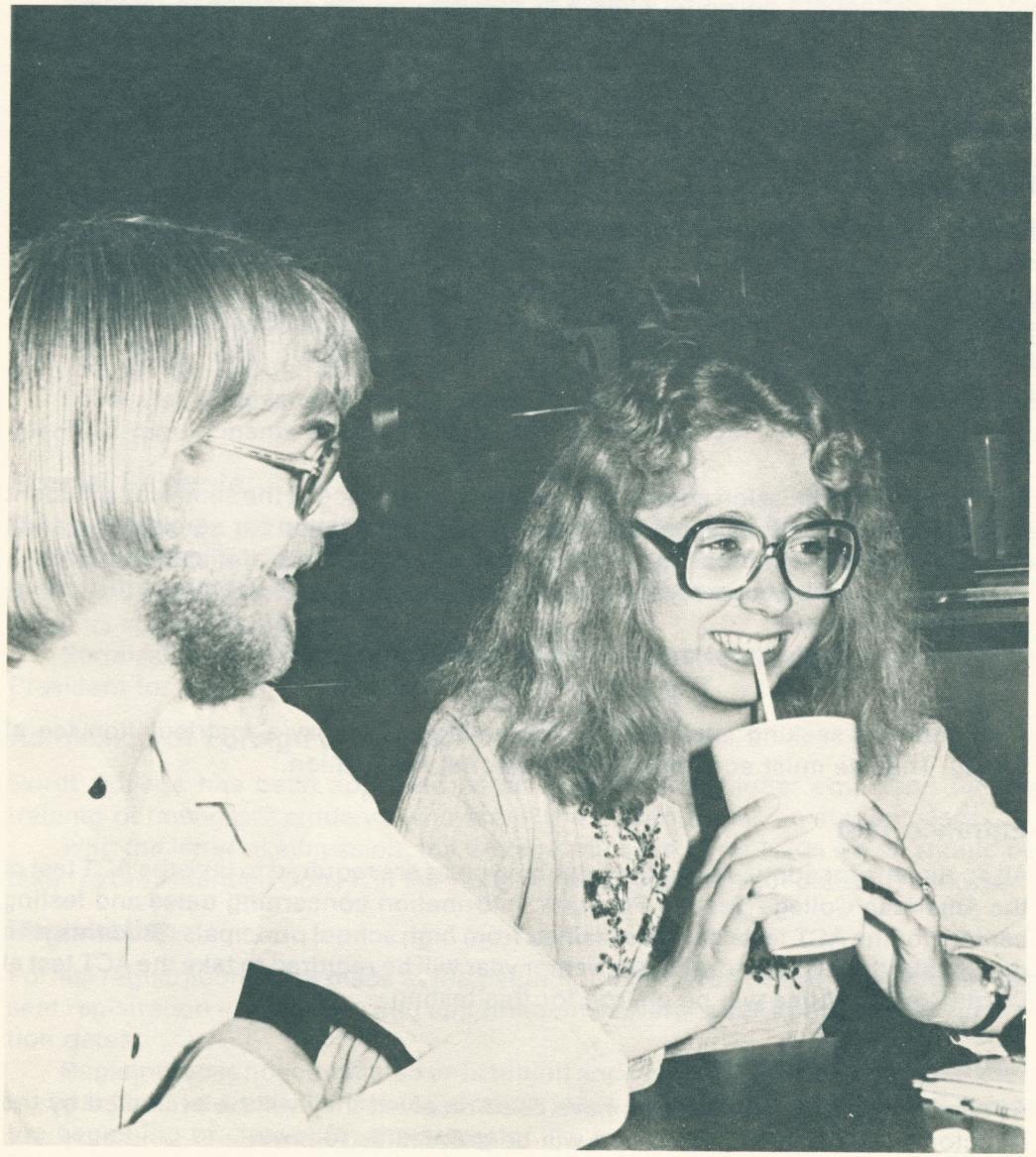
Rooms of students on and off campus are open for college inspection at all times. The student is held responsible for any damage to his room or to its furnishings.

Each dormitory and each residence hall is under the supervision of a residence head. Home owners supervise students in private homes. Students are responsible to the residence head or to the home owner and they are expected to abide by all

College determined housing regulations in addition to those listed in this catalogue. For a more complete statement of rules regarding student housing and student conduct, see *The Defender,* the Student Handbook.

Meals

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



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

Equal Opportunity

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

Personal Application Form
Transcipt 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 principals. Students who do not take the ACT test during the senior year will be required to take the ACT test at Dordt College. A fee will be charge 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 Vice President for Academic Affairs:

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 or SAT 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 Vice President for Academic Affairs.

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 visas.

With the letter of admission, the College will send Form 1-20a which should be taken to the American Consul in the student's area to arrange for passport and visa.

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 Aids

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 $2140.00 for the year and $1070.00 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:

Distance from Dordt	*Per Semester*	*Per Year*
Within 20 miles	$125.00	$250.00
From 20 to 300 miles	$140.00	$280.00
From 300 to 1000 miles	$170.00	$340.00
Over 1000 miles	$200.00	$400.00

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.

The tuition rate for part-time students is $90.00 per semester hour, with a $10.00 per semester hour institutional grant-in-aid for those who are members of the Christian Reformed Church.

Room and Board

	Per Semester	*Per Year*
*Dormitory Room	$170.00	$340.00
Dormitory linen laundry	9.00	18.00
*Residence Halls	170.00	340.00
Residence Halls linen laundry	9.00	18.00
*College Approved Housing	170.00	340.00
College Approved Housing with Housekeeping	185.00	370.00
Board-Dining Hall		
All Meals (21)	295.00	590.00
Five Days (15)	270.00	540.00

*Students in all private or college housing will pay $185.00 for their room the first semester and $155.00 for the second semester. Students entering college housing the second semester will pay $170.00 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	7.00
Teacher Placement Fee	5.00
Art Fee	10.00
Business Education Fee	5.00
Science Lab Fee—Per Course	5.00
Computer Science Fee	5.00
Practice Teaching—Per Hour	8.00
Music Fees—	
Individual Lessons—Per Semester	55.00
Group Lesson—Per Semester	27.50
Practice Room—Per Semester	7.50
Organ Practice Room—Per Semester	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 is $32.00 for the twelve month period from August 20 to August 20. 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 6 weeks after registration. The exact dates will be designated by the Business Office at the beginning of each semester.

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 AIDS

Student Financial Aid

In addition to the extensive scholarship program, which is based upon 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 Basic Grant program, the 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 Aids Package 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 Aids after he has been accepted for admission to the college.

All applicants for financial aid will be required to submit the "Financial Aid Form" (F.A.F.) or the "Parents' Confidential Statement" of the College Scholarship Service and an "Application for Financial Aid." The necessary forms may be obtained by writing to the Director of Financial Aids — Dordt College.

Basic Educational Opportunity Grants

The Basic Educational Opportunity Grant Program was authorized by the Education Amendments of 1972.

This program provides for the payment of Basic Grant awards to students attending eligible institutions of higher education. The maximum grant eligibility for each student is $1,400.00 less the amount the student and his family can be expected to contribute toward the student's education. The application forms may be obtained from the high school or the college financial aid office.

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 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 $1500.00 per year and must be matched with other forms of financial assitance from the college (for example, matched with institutional grant-in-aid, a National Direct Student Loan, or other such direct assistance).

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.

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 U.S.

Students are eligible to borrow a cumulative amount of $2500.00 for the first two years and $5000.00 for the bachelors 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 3% 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.

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 member of a low income family.

—in need of financial aid as shown by Parents' Confidential Statement or Financial Aid Form.

—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 the required skills and experiences may qualify for jobs in the following fields: Clerical assistant, Library assistant, Typist, Custodial work, Instructional assistant, Kitchen help, and several off-campus positions.

Guaranteed Loan Program

Many states participate in the Federally Insured 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 aids programs.

An undergraduate may borrow up to $2,500.00 per year at 7% interest with a total limit of $7,500.00. Students who qualify may receive interest free loans which start bearing interest nine months after his course of study has ceased. Repayments for all Loan programs begin at that time also. To qualify for an interest free loan the adjusted family income must be $25,000.00 or less per year.

Repayments begin nine 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 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 home town bank and must be approved by the college. All repayments are arranged with and made directly to the lending bank.

Special Programs

CANADA STUDENT GRANT AND LOAN PLAN

The provincial governments have grant and 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:

Department of Colleges and University Affairs
Box 6
1181 Portage Avenue
Winnipeg, Manitoba R3C OV8

Ministry of Colleges and Universities
Student Awards Branch
Mowat Block
Queen's Park, Toronto, Ontario M7A 1C6

Students Finance Board
Department of Advanced Education
Devonian Building
11160 Jasper Ave.
Edmonton, Alberta T5K OL2

British Columbia Department of Education
Division of Post-Secondary Education
835 Humboldt St.
Victoria, British Columbia V8V 2Z6

Department of Continuing Education
Toronto Dominion Bank Building
1914 Hamilton Street
Regina, Saskatchewan S4P 3N6

VETERAN'S EDUCATION BENEFITS

Dordt College is approved to offer education to students who are eligible for benefits under the terms of the Cold War Bill (Public Law 89-358) 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

Children of retired, disabled, or deceased workers are eligible for social security benefits up to the age of twenty-two if they are unmarried and are full-time students. 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.

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

Conditions of Award

All scholarships are awarded for one year. 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 scholarship or grant will be given concurrently with another scholarship or grant awarded by the college.

Freshman Scholarships

Each year Dordt College grants a number of general scholarships to entering freshmen. These scholarships are awarded on the basis of academic ability, and are awarded automatically, no application need be made. Award winners are notified by the Director of Admissions.

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:
    a. Meet entrance requirements as listed in the Dordt College Catalog.
    b. Have at least a "B" average in high school work.
    c. 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 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

Upper Class Scholarships

Dordt College grants scholarships to sophomores, juniors, and seniors whose grade point average indicates superior scholarships. These awards are made automatically.

The regulations for the 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 studies leading to the bachelor of arts 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

The Minnie Julia Dahm Scholarship for Pre-Medical Students

This $300.00 scholarship is awarded every year to a Pre-Medical student selected by a Faculty Scholarship 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: (a) noteworthy academic performance (a minimum grade point average of 3.0) and (b) demonstration of understanding and application of Christian principles.

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 application from students who will be entering their junior year at Dordt. Recipients are selected by a Faculty Scholarship Committee. Criteria for being selected include: (a) noteworthy academic performance (a minimum grade point average of 3.0) and (b) demonstration of understanding and application of Christian principles.

Dahm Memorial Music Scholarships

Three scholarships of $125.00 each 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. Awarded in the memory of the late Joe J. Dahm of Pella, Iowa.

National Merit 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. Winners of Letters of Commendation are not eligible.

Music Grants

Each year a number of vocal and instrumental music grants are made available. These grants are of various sizes up to $125.00. Students are selected on the basis of:

1. Information submitted on the Music Grant Application Form.
2. Recommendations from the applicant's teacher of voice or instrument and from his high school music teacher.

3. A tape recording of a performance of a work which shows the level of competence of the applicant.

For application blanks and for instruction on application procedures, write to Music Grants, Dordt College, Sioux Center, Iowa 51250. All materials must be submitted by May 4.

Dutch Immigrant Scholarships

The Dutch Immigrant Society of Grand Rapids, Michigan, makes available two $250.00 scholarships to Dordt College students each year. The scholarships are made available to immigrants and children of immigrants from the Netherlands. Recipients must be in the upper class level and are selected by a Faculty Scholarship Committee.

The R. J. Dykstra Scholarship for Business Administration Students

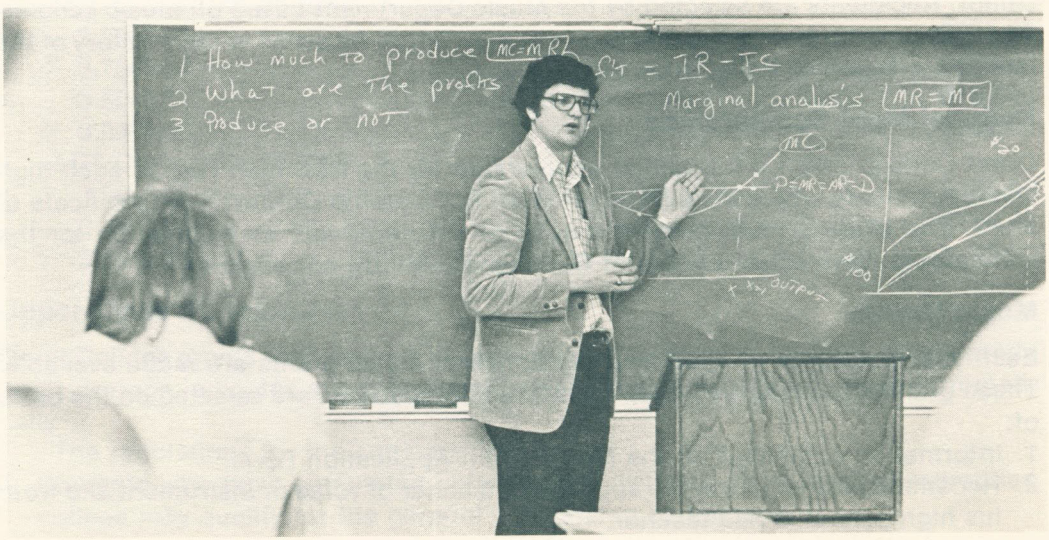
The R. J. Dykstra Scholarship is awarded to a full-time Junior or Senior student at Dordt College. This $300.00 yearly scholarship is awarded to a Business Administration major. Criteria for this award are commitment, communication, and academic performance.

The Clare Talen Scholarship

Mr. Clare Talen of Menominee, Wisconsin has provided four $300.00 scholarships to both junior and senior students. Recipients are selected on the basis of 1) demonstrated leadership potential in the student's chosen area of study 2) evidence of overall contribution to the Christian atmosphere at Dordt College 3) financial need.

Dordt College Anniversary Awards

Five scholarships are awarded annually in the following areas: 1) English 2) Speech 3) Physical Education 4) Classical Languages 5) Mathematics. The recipients shall be selected by the department responsible for the particular discipline. The amount of the awards will vary as the endowment income fluctuates.



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.

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

I. **General Education** (12 courses)

- English 101 1
- English 200 1
- History 101 1
- History 102 1
- Theology 101 1
- Theology 201 or 202 or Philosophy 201 1
- Natural Science Electives 2
  Natural Science electives must be selected from one or more of the following departments: Astronomy, Biology, Chemistry, Physics, and Physical Science.
- Social Science Electives 2
  Social Science electives must be selected from two of the following departments: Business Administration-Economics (except Bus. Ad. 201-202, 301-302), Political Science, Psychology, and Sociology.
- Humanities Elective 1
  The Humanities elective must be selected from Theatre Arts 207, 208; English 201, 202, 207, 208, 221, 222; Foreign Language 202, 207, 208; Music 108, 207, 208, 308.
- Language Requirement 1
  The Language requirement may be met by taking a Foreign Language 201 course, Language 201, or Linguistics 201.

1. Pre-requisites for the above courses are:

Foreign Language 201. Two years of high school work in the same language or the 101 course in the same language.
Language 201. Two years of high school work in a foreign language, or a foreign language 101 course, or Language 101.
Linguistics 201. Two years of high school work in a foreign language, or a foreign language 101 course or Language 101.

2. If a foreign language 101 course or Language 101 is taken as prerequisite to one of the language requirements, the course may be applied to the general electives.
3. Students who have four years or more of high school preparation in one foreign language will have met the language requirement and will have one additional general elective course.

Mathematics Proficiency

Mathematics proficiency may be demonstrated by:

1. Four semesters of high school mathematics with a grade of "B" or better in each course.
2. A percentile ranking of 50 or higher on the mathematics section of the ACT test.
3. The completion of any mathematics course at the college level. If a college course is taken to meet the requirement, it may be applied to the general electives.

*Note: A maximum of *two* courses in the major field may also be used to meet general education requirements — the number of courses required in the Elective/Professional category will be increased by the number of "over-lap" courses.

2. **Major** (10-15 courses)

A.B. General *10-15*

As listed for each department in the "Courses of Instruction" section of the *Catalog*.

A.B. Secondary Education 10-15

Requirements for Teaching Major leading to certification and endorsement to teach in a major field are listed for each department in the "Courses 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 "Courses of Instruction" section of the *Catalog*.

A.B. Elementary Education 15

Education 201	Psych. 215
Education 322	Art 211
Education 323	Geography 201
Education 324-25	Music 311
Education 364	Physical Education 105
Education 372 (3 course credit)	Political Science 202 or History 201 or 202
Psych. 212	

3. **Elective/Professional** 13-18

A.B. General

Electives 13-18

A.B. Elementary Education

1. *Area of Specialization* *6-8*
   As listed in the Education Department section of the *Catalog*.
2. *Electives* *5-7*

A.B. Secondary Education

1. Professional 8

Educ. 203	Educ. 374 (3 course credit)
Educ. Methods	Psych. 213
Educ. 364	Psych. 215

   *Note: To be certified a student must also complete a course in American history (History 201 or 202) or in American government (Political Science 202).
2. Electives 5-10

4. **Physical Education**
   Each student must complete Physical Education 10 and three semesters of physical education activities courses.

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 are 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 semester hours of credit earned:

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 the academic adviser. The following policies will govern overloads:

a. Within the definition of a normal load a student may take up two approved one-hour courses in addition to the five-course load.
b. 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 the written permission of the Vice President for Academic Affairs.
c. Sophomores, juniors, and seniors may register for a one-course overload if they have a cumulative grade point average of 2.00 or better.
d. 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 the written approval of the Vice President for Academic Affairs.
e. IN A STUDENT 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 ½ the regular tuition rate.

Dropping Courses

Changes in registration must be completed within two weeks 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 second week 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 G.P.A. Only the last course will be listed for credit and the last grade will be used for calculating the G.P.A.

Withdrawal From School

A student who wishes to withdraw from school should see the Dean of Students to obtain the necessary withdrawal form and to receive permission to leave school. The form must be signed by the Dean of Students, the Vice President of Academic Affairs, and the Business Manager 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 G.P.A. (this refers to both regular courses and pass-fail courses); and a student who withdraws from a course prior to the expiration of 10 weeks will not have the "Wf" computed in his G.P.A.

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 getting permission from the Vice President for Academic Affairs. 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:

Pass-fail 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.

A grade of "P" will be calculated for G.P.A. 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 "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 the 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 academic probation classification, he will be required to receive special permission to register for further work at Dordt College. The faculty Instructional 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-semester grades are reported to Freshmen. These are not recorded on the permanent record but are for the purpose of indicating progress being made. Mid-semester 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.

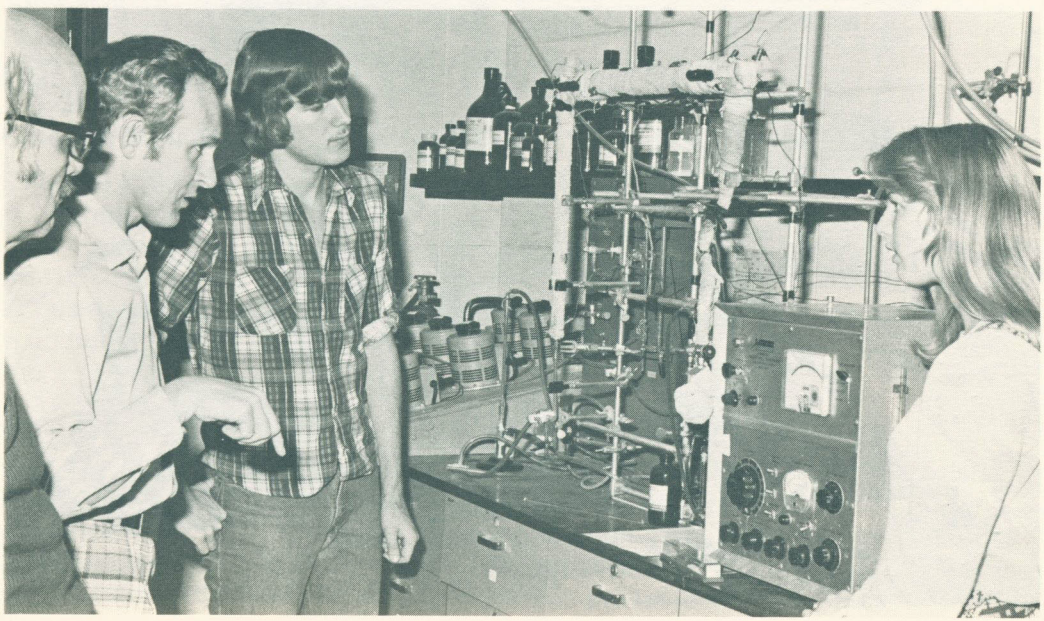
Official Transcripts

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.



Programs of Study

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.

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 specific scholastic requirements of the graduate school which the student plans to enter. The Registrar maintains a file of graduate school catalogs which may be used by faculty members and students.

A reading knowledge of French and German is generally required of candidates for advanced degrees. At least two years of work in German should be taken as part of the undergraduate program.

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:

Business Administration
Elementary Education
General Liberal Arts
Medical Technology
Pre-Agriculture
Pre-Chiropractic
Pre-Dental
Pre-Engineering
Pre-Legal
Pre-Librarianship
Pre-Medical
Pre-Mortuary Science
Pre-Nursing
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Seminary
Pre-Social Work (Masters)
Pre-Veterinarian
Secondary Education
Secretarial Science (2-year)

MAJORS

Agri-Business
Art
Astronomy/Physics
Biology
Business Administration
Business Education
Chemistry
Classical Studies
Communication
Elementary Education
English
German
History
Individual Studies
Mathematics
Music
Natural Sciences
Philosophy
Physical Education
Physics
Psychology
Social Sciences
Social Services
Sociology
Theatre Arts
Theology

OFF-CAMPUS PROGRAMS

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 a week 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.

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.

TEACHER EDUCATION PROGRAM

To be eligible for recommendation for certification a student must be admitted to the Teacher Education Program, and he must complete the requirements for the Bachelor of Arts degree 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 after the student has completed a minimum of 13 courses for credit. Application forms will be distributed near the end of the first semester in the Education 201 and 203 classes. Forms also may be obtained from the chairman of the Education Department.

Completed application forms will be reviewed by the Teacher Education Committee. To qualify for admission to the Teacher Education Program a student must have the following:

1. A minimum cumulative grade point average of 2.20.
2. An interview with a member of the Education Department.
3. The ability to communicate effectively and correctly.
4. A recommendation from a faculty member of his choice.
5. Acceptable physical and psychological health.
6. Acceptable personal character and commitment to teaching. The Teacher Education Committee reserves the right to refuse admission to any student who does not demonstrate the ethical, moral, and spiritual standards which may be expected of a Christian teacher.

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

1. Accept for admission
   a. Unconditional: If the Committee judges that there are no recognizable deficiencies in any of the criteria for admission.

   b. Conditional: If the Committee judges that, although there may be some minor deficiency, the student is capable of meeting the deficiency and that conditional status in the program is appropriate.
2. Reject — No student will be rejected without having first met with the Chairman of the Teacher Education Committee. The student will be rejected on the basis of specifications presented to him in writing.
3. Reconsideration can be given at least one semester after the student's application has been rejected or after dismissal from the program. A student must initiate reconsideration or re-admission procedures by seeing the chairman of the Teacher Education Committee.

Retention in the Program

The status of a student in the Teacher Education Program will be reviewed after each semester's work is complete. Consideration will be given to a student's performance in professional courses, professional experiences, and in the areas of

specialization, majors and/or approval areas. Elementary and secondary students must maintain a cumulative grade point average of 2.20.

If a student's grade point average falls below 2.20 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. No student will be placed in a conditional status or dismissed from the Program without meeting first with the Chairman or a designated member of the Teacher Education Committee and having the specifications presented to him in writing.

Admission to Student Teaching

Student teaching is required of all students preparing for certification. Application for student teaching must be made early in the semester preceding the one in which the student teaching is to be done. 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 course of studies in teacher education.
   b. Admission to the Teacher Education Program.
   c. Completion of Educ. 201, 322, 323, and Psych. 201, 212, and 215.
   d. Achieved a minimum cumulative grade point average of 2.20.
   e. Evaluation of a student's performance in professional courses, professional experiences, in approval areas and areas of specialization.
2. Secondary education students
   a. Completion of a minimum of 28 courses for credit applicable to an approved course of studies in teacher education.
   b. Admission to the Teacher Education Program.
   c. Completion of Educ. 203, and one course from 341-348, or department methods, and Psych. 201, 213, and 215.
   d. Achieved a minimum cumulative grade point average of 2.20.
   e. Evaluation of a student's performance in professional courses, professional experiences, in the major and other approval areas.

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 education students must meet the following requirements:

1. Admission to the Teacher Education Program.
2. Completion of an approved course of studies in teacher education.
3. Achieved a minimum cumulative grade point average of 2.20.
4. Successful completion of a student teaching experience.

Courses of Instruction

COURSE DESCRIPTIONS

AGRICULTURE

General Major — Agric. 101, 102, 201, 202, 211, 371, and two elective courses in agriculture; Buad 203, 206, 315, and two elective courses in business administration or economics; Bio. 115 and 122 or Chem. 103 and 104.

General Minor— Agric. 101, 102, 201, 202, 211, and 371.

101 Animal Science (3)
This course is designed to provide background in animal physiology including comparative characteristics and bodily functions of farm animals. The offering also includes the livestock enterprise components of swine, beef, horses, sheep, and poultry.

102 Feeds (3)
This course emphasizes good nutrition as one of the basic fundamentals of livestock production. The student is given opportunity to acquire practical information regarding evaluation and feeding of various nutrients to the various types of farm livestock. Economic conditions and management principles are integrated and emphasized in this offering.

201 Soil Fertility (3)
This course is designed to provide the student with a practical and technical knowledge of soil properties, formation, classification, and soil and fertility problems.

202 Crop Production (3)
This course covers basic principles of crop production. Emphasis is placed on the production of corn, soybeans, sorghum, 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 is also included.

211 Farm Operation and Management (3)
A study of the general principles involved in farm organization, management, and operation. Emphasis will be placed on the use of detailed financial and production records and upon the application of sound agri-business principles in the acquisition and utilization of economic and natural resources.

341-345 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.

371-72 Practicum (3)
Students will be given opportunity to apply the principles of agriculture and business in an off-campus assignment.

391-92 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.

Art

101 Introduction to Art (3)
Lecture and participation in the basic elements and principles of art. Emphasis placed upon the student's involvement and response to materials and ideas. Not part of a major or minor program.

201 Fundamentals of Art: Two Dimensional (3)
Two Dimensional Design. Discovery of design through the use of the basic art elements: line, color, shape, texture, space, value.

202 Fundamentals of Art: Three Dimensional (3)
Three Dimensional Design. Construction, carving, and modeling in various materials will be pursued in relation to problems in space, movement, balance, rhythm, and integration of the total form. Prerequisite: 201.

209 Art History (3)
An Introduction to the History of the Fine Arts. A survey of the history or architecture, painting, and sculpture beginning with Impressions in the 19th century to the present time.

211 Art for the Elementary Teacher (4)
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, poster paint.

212 Drawing (3)
Various media are used to explore the possibilities and problems in drawing from a creative point of view. Prerequisite: 201.

213 Painting (3)
A study of the tradition in painting, emphasizing techniques and methods of communicating ideas visually. Studio work will give opportunity to experiment in various techniques and subjects. Prerequisites: 201, 212.

391 Individual Studies (3)

392 Individual Studies (3)

Astronomy

Astonomy/ Physics Major—	Astonomy 103 or 121, I04 or 122, 203, and 204 or 252; Chemistry 103; Mathematics 112, 113, 202, 204; Physics 115, 116, 215, 216; and three courses from Chemistry 301, Physics 325, 326, 335, 336.

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103 Introduction to Astronomy: The Solar System (3)
A descriptive, non-mathematical introduction to the astronomy of the Solar System. Major attention given to recent discoveries concerning the nature and structure of the planets and their satellites, and theories concerning the origins of the Solar System. Opportunity given for telescopic observations by students.

104 Introduction to Astronomy: Stars and Galaxies (3)
A descriptive introduction to modern stellar and galactic astronomy. Discussion of the kinds of stars, their origin, expansion and collapse, the nature of nebulae, star clusters, black holes, galaxies, and quasars. Modern theories of cosmology and the possibilities

of life elsewhere in the universe will be considered in the light of Biblical and observational data. Students undertake variable star project; opportunity given for telescopic observations. May be taken without Astronomy 103.

121 Observational Astronomy: The Solar System (4)
An advanced descriptive introduction to Solar System astronomy. Attendance at Astronomy 103 lectures required, plus additional tutorial or seminar sessions at which mathematical formulae pertaining to the Solar System will be discussed. Students will be required to carry out a research project in visual or photoelectric astronomy. Enrollment limited to mathematics and science majors.

122 Observational Astronomy: Stars and Galaxies (4)
A continuation of Astronomy 121, this course requires attendance at Astronomy 104 lectures, plus additional tutorial or seminar sessions. Students will be required to carry out research projects in visual or photoelectric astronomy. Prerequisite: Astronomy 121.

203 Planetology: Geology of Earth and Moon (3)
An introduction to the geology of Earth and Moon set in the larger context of the rapidly developing science of planetology. Discussion of the Earth's crust, interior, and atmosphere; the theory of continental drift; the results of the lunar orbiter and Apollo missions. Prerequisite: Astronomy 103 or 121, or Physical Science 102.

204 Planetology: Neighboring Worlds (3)
The nature and structure of planets and their satellites in the light of recent observations and space probes. Major emphasis given to Mercury, Mars, Jupiter and Saturn. Conducted as a weekly seminar; students are expected to write several short papers. Prerequisite: Either (1) Astronomy 203, (2) Astronomy 103 or 121, and Physical Science 102.

251 Planetarium Work (3)
A survey of the means used to impart astronomical knowledge with emphasis on modern planetarium techniques. Students will observe many constellations and learn their history, and the location and nature of many unusual stars, nebulae and galaxies. Discussion of topics of public interest; students will write sample programs and gain experience with public and school groups. One or more planetaria will be visited, and their equipment and methods studied. Prerequisites: Astronomy 103 or 121, and Astronomy 104 or 122.

252 Double and Variable Stars and Quasars (3)
Discussion of the literature pertaining to double and variable stars and optically variable quasars. Conducted as a weekly or semi-weekly seminar; students are expected to write several short papers and be involved in photoelectric observations of several variable stars and quasars. Prerequisite: Astronomy 104 or 122.

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 Astronomy 391.

BIOLOGY

General Major— Bio. 115, 122, 200, 213, and six elective courses in biology; Chem. 103, 104, 201, 202, 205.

Teaching Major— Bio. 115, 122, 200, 213, 391 and five elective courses in biology; Chem. 103, 104, 201, 202, 205.

Approval Areas
63—Biology
64—Chemistry
65—General Science (with Phys. 115, 116)

Teaching Minor— Bio. 115, 122, 200, 213, and two elective courses in biology.
Approval Areas
63—Biology

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101 Biological Science (3)
Contemporary biological problems will be stressed and important biological concepts and processes related to these. Topics include the nature and origin of life, problems and processes in development, physiology, aging, and disease, and a Christian approach.

102 Biological Science (3)
Topics include ecological concepts and Christian stewardship, heredity and variation, and the fossil record. Similar in approach to Biology 101, but a separate course which may be taken without Biology 101.

115 General Botany (4)
An introductory study of the anatomy, physiology, taxonomy and economic 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 (3)
A study of local flora and fauna and their relationships to the environment. Major world ecosystems will be discussed. Two lectures and one laboratory period (primarily outdoors) of two or three hours per week. Prerequisite: 1 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. Pre-Nursing students with permission.

202 Human Anatomy and Physiology (3)
A continuation of Biology 201.

204 Environmental Biology (3)
An emphasis on man's effect on his environment, including pollution and conservation. Population dynamics and animal social behavior will also be included. Two lecture-discussions and one laboratory-field period of two hours per week. Prerequisite: Biology 200.

211 Invertebrate Zoology (4)
A study of the taxonomy, anatomy, life history and ecology of major groups of invertebrates. Three lectures and one laboratory period of three hours per week.

213 Genetics (3)
An introduction to the principles of inheritance and variation in plants, animals and man. Three lectures per week. Prerequisites: Biology 115 and 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.

235 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 and 122.

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. Two lectures and one laboratory period of two hours per week. Prerequisite: Biology 115 or permission of 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.

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— Buad. 101, 201, 202, 205, 206, 301, 351 and four elective courses in business administration; Econ. 201, 202, 303, and one elective course in economics.

101 Introduction to Business (3)
A survey of the dynamic economy of our nation, a study of the objectives and responsibilities of business, and a consideration of 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, and preparation of financial reports. (201 T, a course designed for Secretary Science students and others who desire only one semester in Accounting to familiarize themselves with basic nontechnical accounting procedures. 201 T is not available to majors in Business Administration or Business Education.)

202 Principles of Accounting (3)
A continuation of Business Administration 201, with further study of partnerships, the corporation, and manufacturing problems; emphasis on interpretation of financial reports. Prerequisite: Business Administration 201.

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 to management. Students who wish to take additional accounting should begin with Buad. 201.

205 Principles of Management (3)
A basic couse in management fundamentals as applied to business organizations and as well to school, church, and other organizations seeking to accomplish objectives through group activity.

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.

222 Modern Business Communication (3)
An applied study of the content and structure of various kinds of business communications (sales, requests, replies, claims, adjustments, etc.) with emphasis on the purpose of each form of communication and methods of achieving that purpose.

301 Business Law (3)
A study of law and its administration in business relationships, with primary emphasis upon the law of contracts and agency.

302 Business Law (3)
A continuation of Business Administration 301 with emphasis upon the law of bailments, negotiable instruments, sales, partnerships, and corporations.

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. Prerequisite: Business Adminstration 310.

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 the measurement and evaluation of production costs, including job order costing, process costing, standard 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 pronouncements, and of professional ethics. Prerequisites: Business Administration 311 and 312.

315 Federal Income Tax Accounting (3)
A study of federal income tax regulations and forms, based on the Internal Revenue Code. A study of income tax problems for the individual, for business organizations, for non-profit institutions. Prerequisite: Business Administration 201 or 203 or permission.

325 Corporation Finance (3)
An analysis of the financial structure and problems of the corporation, types of securities, reorganization, mergers, conglomerates, "pooling of interests", etc. Prerequisite: Business Administration 202.

326 Investment Management (3)
A study of characteristics of types of securities, the function of securities markets, the theory of securities valuation, and portfolio management; investigated within a Christian perspective regarding the use of financial assets as investments. Prerequisites: Buad. 202, 325, and Econ. 202.

341-348 Special Topics (3)
Courses on different topics, designed to be a special interest course, utilizing individual instructor strengths, interest, 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, research, and analysis of current topics, with emphasis on Christian perspectives for the businessman. Includes a field trip to a metropolitan area to observe major business and industrial organizations and procedures. Required of all senior students of Business Administration.

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— Buad. 201, 202, 301, 302, 351; Bued. 105, 112, 113, 321, and three elective courses from business administration and/or from business education; Econ. 201, 202, and one elective course in economics.
Approval Areas
35—Bookkeeping
36—Business Law
37—Business Training
38—Shorthand (if three courses in shorthand are taken)
39—Typewriting

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105 Calculating Machines (3)
The development of job-level skill in the operation of office calculating and adding machines, electronic calculators, and the application of those machines in the solution of typical problems in business mathematics. (Open only to majors in Business Education and to students in the Associate of Arts program in Secretarial Science.)

111 Typewriting I (3)
Learning keyboard control and basic machine manipulations. Applications of skill to typing of simple tabulations, correspondence, and manuscripts. This course may be waived if the student's high school transcript shows two semesters of typing or by passing a proficiency examination administered by the Business Education Department. (Open only to majors in Business Education and to students in the Associate of Arts program in Secretarial Science.)

112 Typewriting II (3)
Increased 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. (Open only to majors in Business Education and to students in the Associate of Arts program in Secretarial Science.)

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.

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. Prerequisite or co-requisite: Business Education 111. (This course may be waived if the student has two semesters of high school shorthand or if he passes a proficiency test.)

212 Shorthand II (3)
Continued emphasis on vocabulary building, increasing dictation speed, and developing transcription skills. Prerequisite: Business Education 211, or equivalent. Prerequisite or co-requisite: Business Education 112. (This course may be waived by passing a proficiency test.)

213 Shorthand III (3)
Emphasis upon specialized vocabulary building, increasing dictation speed, and improving transcription skills. Prerequisite: Business Education 212, or equivalent; prerequisite or corequisite: Business Education 113.

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, storing, and retrieving business information, as well as supervision of office staff. Prerequisite: Business Education 112 or equivalent.

CHEMISTRY

General Major—	Chem. 103, 104, 201, 202, 301, 302, 311, and three courses from Chem. 205, 303, 312, 321; Math 112, 113, 204; Phys. 115, 116 or 125, 126.
Teaching Major—	Chem. 103, 104, 201, 202, 205, 301, 302, and one course from Chem. 303, 311, 312, 321; Math 112; Phys. 115, 116 or 125, 126. *Approval Areas* 64—Chemistry 88—Physical Science
Teaching Minor—	Chem. 103, 104, 201, 202, 311, and either 205, or 312. *Approval Areas* 64—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 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, one seminar, and one laboratory period 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, one seminar, and one laboratory period per week.

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 inter-relations 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, one seminar, and one laboratory period per week. Open only to juniors and seniors. Prerequisites: Chemistry 103, Physics 115 or 125 and Mathematics 112.

302 Physical Chemistry (4)
A continuation of Chemistry 301. Electrochemistry, kinetics, colloidal and surface phenomena, photochemistry, and radiation chemistry. Three lectures, one seminar, and one laboratory period per week.

303 Atomic, Molecular, and Crystal Structure (3)
A study of structure for the chemist. Atomic structure is considered first, and the structure of the atom is then used in a study of the chemical bond, the spectra of molecules and chemical statistics. The structures of crystals and liquids are studied. Three lectures and one seminar per week. Open only to juniors and seniors, Prerequisites: Chemistry 104 and Physics 116.

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 and one seminar 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 on organic chemistry, with an emphasis in reaction mechanism, kinetics, and other currently-active areas of organic chemistry. Intended primarily for chemistry majors. Three lectures and one seminar per week. Prerequisite: Chemistry 104 and 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 LANGUAGES

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

COMMUNICATION/SPEECH

Communication Major ... General- Comm. 111, 201, 220, 228, 250, 301, 313; three electives from communication courses numbered 200 or above.

Communication Major ... Journalism emphasis- Comm. 111, 201, 220, 241, 242, 250, 301, 302, 313; one communication elective course numbered 200 or above.

Communication Major ... Radio and Television emphasis- Comm. 111, 201, 241, 250, 258, 301, 313, 352; two electives from communication courses numbered 200 or above.

Communication ... Teaching Minor (Journalism Endorsement)- Comm. 241, 242, 301, 302, 391; two courses from Comm. 201, 220, 222, 250, 313, and Eng. 303.

Speech ... General Major- Comm. 111, 201, 212, 214, 311, 313, 315; three elective from communication courses numbered 200 or above.

Speech ... Teaching Major- Comm. 111, 201, 212, 214, 219, 220, 311, 315; four electives from communication numbered 200 or above and/or theatre arts courses.

Speech ... Teaching Minor- Comm. 101, 111, 212, 219, 220, 315; one communication or theatre arts elective course; Educ. 347.

101 Introduction to Communication (3)
This survey course, open to all students, is designed to acquaint the student with general concepts, problems, and ethics in communication. The student will be introduced to experiences in various types of communication, such as interpersonal communication, group discussion, public address, mass communication, etc. Not applicable to the major.

111 Fundamentals of Public Address (3)
The study of the basic concepts of speech construction and delivery. Includes presentation of various types of speeches.

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.

214 Voice and Phonetics (3)
The study of the vocal mechanism with a brief sketch of vocal problems and extensive analysis of proper sound production and transcription in the International Phonetic Alphabet.

219 Interscholastic Speech Activity (1)
The necessary preparation and performance in at least two intercollegiate forensic and/or debate tournaments or festivals per semester. A pass-fail course of one credit per semester. Course may be repeated each semester. Prerequisite: Consent of the instructor.

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.

241 Journalism I (3)
This course is designed to acquaint the student with the principles of layout design, headline writing, caption writing, and give extensive practice in writing news articles. The student will also be introduced to interviewing and in-depth news reporting.

242 Journalism II (3)
This course is designed to give the student four things: a) practice in writing in-depth reports, feature articles and editorials; b) practice in slanting articles for specific magazines; c) an introduction to magazine journalism; and d) a perspective on Christian journalism.

250 Introduction to Radio and Television (3)
This course provides an introductory exploration into the world of radio and television as communication media with consideration of responsibilities to the public. Through a lecture-discussion format, the student is exposed to the complexities of sight and sound broadcasting and the electronic media's impact on society.

258 Broadcast Announcing (3)
Specific training in pronunciation, articulation, diction and microphone technique applicable to both radio and television (using the video tape recorder). Exercises will include all types of broadcast speaking, such as commercials, news, and classical music.

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 Comm. 301, but will make more use of prose models. Students will work on clarifying the writers 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: Comm. 111 or consent of instructor.

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.

322 Interpersonal Communication for the Elementary Teacher (3)
A course designed primarily for the elementary teacher. Major emphasis will be placed upon communication between student and teacher with the same attention given to the development of a speech model on the part of the teacher. Communication 214 is recommended.

341 - 350 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.

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 Comm. 391

COMPUTER SCIENCE

101 Introduction to Computer Science (3)
The student will be introduced to Computer Science through learning to program in **BASIC** and/or **FORTRAN** language. Both commerical and scientific applications will be studied through problems assigned.

201 Advanced Programming (3)
Advanced programming using advanced **FORTRAN. ASSEMBLER** and/or other computer languages will also be introduced. Either business or scientific applications will be discussed. Prerequisite: Computer Science 101.

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 Computer Science 391.

DUTCH

101 Elementary Dutch (4)
Emphasis on the basic structure of the language, on pronunciation and spoken Dutch. Assigned work in the language laboratory.

201 Intermediate Dutch (4)
A structural review, work in vocabulary building and selected collateral reading and listening; with added attention given to the nature of language.

202 Literary and Cultural Readings (3)
Readings in Dutch culture and contemporary literature. Prerequisite: Dutch 201.

206 Conversation and Culture (3)
This course is designed for students who wish to learn to speak Dutch and at the same time learn about the Dutch way of life. Emphasis will be on listening and speaking skills. The course may be taken before or after Dutch 201. Prerequisite: Dutch 101 or its equivalent.

207 World Literature (3)
See Eng. 207. Students who wish this course to be listed as a Dutch course will be assigned some reading in Dutch.

208 World Literature (3)
See Eng. 208. Same as 207.

ECONOMICS

Teaching Minor— Econ. 201, 202; Buad. 201, 202; Three elective courses from Econ. 303, 305, 309, 315, and Buad. 325.
Approval Areas
69—Economics

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201 Principles of Economics (3)
A study of economic principles which apply to business, industry, and government in modern society, including economic systems, the banking system, national income analysis, employment problems, economic controls, and the function of competition and price.

202 Principles of Economics (3)
Continuation of Economics 201. Prerequisite: Economics 201.

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. A study of the principles of monetary policy and their application in our economy. Prerequisite: Economics 201, 202.

305 Labor Problems (3)
A study of organized labor, collective bargaining, labor legislation, and labor economics. Prerequisites: Economics 201, 202.

309 Economic History of the United States (3)
History of the economic development of our nation from the economic point of view. A study of economic causes and effects of major historical events, with contemporary economic thought. Prerequisite: Economics 202 or permission.

315 Government Finance (3)
Consideration of tax systems on federal, state, and local levels; problems of fiscal policy, debt management, and federal budget; analysis of efforts to control economic stability and growth. Prerequisite: Economics 202.

EDUCATION

Students may prepare for teaching in the Elementary or the Secondary school. To be eligible for recommendation for certification a student must be admitted to the Teacher Education Program, and he 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 and/or graduation, see the Educational Program section of this catalog.

ELEMENTARY EDUCATION—AREAS OF SPECIALIZATION

Juniors and seniors in the elementary education program may continue their areas of specialization as listed in the catalog for 1975-76. Freshman and sophomore students must select from the following areas of specialization.

1. A general core area: Three courses from each of the four areas-language arts, mathematics, social science, and natural science.
2. Language Arts: Theatre Arts 262; Library Science 205 or 206; Communication 322; English 336; Language 201 or Linguistics 201; three courses from English 200, 221, 222, or Communication 214, 220, 212.
3. Library Science: Library Science 201, 202, 203, 204, 205, and one elective course in library science.
4. Mathematics: Mathematics 107, 109, 112; three courses selected from Computer Science 101, Mathematics 113, or any mathematics course numbered 200 or above.
5. Music: Music 103, 104, 308, 312, 315, 317; three elective courses selected from Music 203, 204, 207, 208, 210, 211, 212, 305, 307.
6. Natural Science: Biology 101, 102, 200; Physical Science 201; two courses from Astronomy, Chemistry, Physics, Physical Science; two additional courses from any science.
7. Physical Education: Physical Education 105, 201, 203, 204, 205, 207; two courses from Physical Education 304, 305, and 306.
8. Social Science: two history courses not including History 101 and 102; three courses from Economics 201, 202, Political Science 201, 202; Geography 201; Sociology 201 and 202.
9. Special Education: Education 301 and 302; Psychology 207, 210, 302; Communication 322.

10. Theology: two courses from Theology 201, 202, 203; Theology 210; three courses from Theology 212, 215, 216, 311; one elective, not including Theology 101.
11. An additional option: any area for which there is a teaching minor listed in the catalog may comprise an area of specialization for the elementary education major. These areas are: Biology, Chemistry, Communication, Economics, English, German, History, Library Science, Mathematics, Music, Physical Education, Physical Science, Physics, Political Science, Social Sciences, Sociology, and Theatre Arts.

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201 Principles of Teaching in the Elementary School (3)
An introduction and orientation to elementary school teaching. Consideration is given to formulating a Christian confession of education as well as investigating the contemporary scene with its historical antecedents, curriculum planning, evaluation, pedagogical approaches, and teaching as a profession.

203 Principles of Teaching in the Secondary School (3)
An introduction and orientation to secondary school teaching. Consideration is given to formulating a Christian confession of education as well as investigating the contemporary scene with its historical antecedents, curriculum planning, evaluation, pedogogical approaches, and teaching as a profession.

301 Education of Exceptional Children (3)
A study of the content areas and types of exceptional children. Emphasis will be placed on identifying the handicapping elements of each area of exceptionality, the etiological factors, and the resultant practical implications. Personal, social, emotional, educational, spiritual, and vocational factors are considered. Prerequisite: Education 201 or 203, Psychology 201 and 212 or 213.

302 Education of Mentally Retarded (3)
A study of the classification, etiology, and diagnosis of the mentally retarded with emphasis upon the educational implications, programming, special teaching procedures, and life adjustment for mentally retarded. The various levels, types, and degrees of mental handicap will be considered. Prerequisite: Education 201 or 203, Education 301, Psychology 201, and Psychology 212 or 213.

322 Teaching Arithmetic in the Elementary School (3)
A basic course in mathematics for the student who plans to teach in the elementary school. Mathematics foundation, the number systems, and different methods of calculation will be dealt with. Time will also be spent in dealing with methods, materials, goals, and means of evaluating the teaching of arithmetic in the elementary school.

323 Teaching Reading in the Elementary School (3)
This course is 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. Time will also be devoted to the study of children's literature.

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. This course is part of the professional semester and is 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 that can be used in the elementary science classroom. This course is part of the professional semester and is taken after student teaching.

340 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. The student will give several class presentations and observe actual teaching situations.

341 Methods of Teaching Chemistry (3)
Methods of teaching the physical sciences in secondary school, including an introduction to and evaluation of various science course improvement programs.

342 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 paid to lesson, unit, course, and curriculum planning. Use of audio-visual materials included.

343 Methods of Teaching Foreign Language (3)
Presentation of various methods of teaching foreign languages with an emphasis on the secondary level. Teaching of listening, speaking, reading, and writing skills. Teaching pronunciation, morphology, syntax, meaning, vocabulary, culture, and literature. Other topics pertaining to the teaching of foreign language, projects and practice are included.

344 Methods of Teaching History (3)
Discussion of a Christian approach to the teaching of history, emphasis upon current methods of teaching history and consideration or practical suggestions in classroom procedure.

346 Methods of Teaching Mathematics (3)
This course concerns itself with helping prospective teachers of secondary mathematics attain an informed understanding of basic subject matter and the issues which give significant character to its effective teaching.

347 Methods of Teaching Speech (3)
This course will focus on the development of speech courses, objectives, construction of units, textbook evaluation and other concerns of the speech teacher in the secondary school. This course will include coaching and directing of forensic activities. The student should have experience or course work in oratory, oral interpretation and debate. If the experience and course work were not completed, the student will be expected to do some additional study or reading.

348 Methods of Teaching in Business Education (3)
This course will be concerned with the role of business education in the curriculum, current concerns in business education, the development of methods and materials appropriate to courses which may be taught in secondary and higher education.

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 day educational system.

372 Student Teaching—Elementary (9)
This course is designed to permit students who have met the stipulated requirements to participate in directed classroom teaching. Students will be working with qualified teachers in the elementary schools. Students will spend the entire day in the school so that they will observe and preview a complete day's program. The activities include observation, participation, and teaching.

374 Student Teaching—Secondary (9)
Same as above, except observation, participation, and actual teaching will be done in the secondary schools.

391 Individual Studies (3)
Open to qualified juniors and seniors with permission from the department. See the catalog section "Individual Studies" for procedures and policies governing individual studies.

392 Individual Studies (3)
Same as Education 391.

ELEMENTARY EDUCATION

Teaching Major— Educ. 201, 322, 323, 324, 325, 364, 372; Psych. 212, 215; Art 211; Geog. 201; Music 311; PE 105; Plsc. 202 (or Hist. 201 or 202).

ENGINEERING DRAWING

101 Engineering Drawing (3)
Orthographic projections, auxiliary views, sectioning, dimensioning, isometric and oblique drawing. Six hours of drawing per week.

102 Descriptive Geometry (3)
Development of space perception through a study of spatial and geometric relationships of points, lines, surface, and solids using primary and secondary auxiliary views. Graphic solutions of engineering problems.

ENGLISH

General Major— Eng. 201-202, or 207-208; Three courses from Eng. 312, 314, 315, 316; Five courses beyond English 200; English 336.

Teaching Major— Eng. 201-202; One course from Eng. 301, 302, 303; Three courses from Eng. 312, 314, 315, 316; Eng. 391; Three courses beyond English 200; Eng. 336; Lbsc. 206.
Approval Areas
45—All English

Teaching Minor— Eng. 201-202; One course from Eng. 301, 302, 303; One course from Eng. 312, 314, 315, 316; Two English courses beyond English 200.
Approval Areas
45—All English

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101 Introduction to Expository Writing (3)
An introduction to the principles and practice of expository writing. Studies in current essays and imaginative writings. Five-six writing assignments and two test essays.

200 Responding to Literature: Selected Topics (3)
Readings on selected topics. Assuming a basic introductory knowledge of literature, the course will focus on the experience with which the literature is dealing.

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 American realism (Twain, Howells, James), naturalism (Crane, Dreiser), and modern fiction and poetry.

207 World Literature (3)
Studies in the heroic, the tragic, and the comic—diverse views of man in Homer, Sophocles, *Beowulf,* Confucius, Dante, Ecclesiastes, Milton, Goethe, and Moliere.

208 World Literature (3)
Reading and discussion of seminal works by Voltaire, Chekhov, Ibsen, Tolstoy, Dostoevski, Kafka, Sartre, Camus, and other more contemporary writers.

221 The Short Story (3)
Analysis and evaluation of American, British, and Continental stories within the historical framework of the developing genre.

222 Thematic Approaches to Literature (3)
A study of selected themes as they have been developed through literature from its beginning to the present.

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 Creative Writing I (3)
Student writing and evaluation of various types of poetry and short story. The workshop serves as the basic format.

304 Creative Writing II (3)
The course will consist of a special project in poetry, fiction, or drama, which the student will work at in personal consultation with the instructor. Prerequisite: English 302.

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 Eighteenth Century Classicism and Early Nineteenth Century Romanticism (3)
The course will deal with the poetry and prose of Dryden, Pope, Swift, Johnson, Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. (Historical approach).

316 Late Romantic and Early Modern Literature (3)
The course will deal with the poetry and prose of Carlyle, Tennyson, Browning, Arnold, Swinburne, Housman, Hardy, Hopkins, Yeats, Owens, Brooke, Auden, etc. (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.

322 The English Novel (3)
The study of the beginnings of the English novel with Defoe, Richardson and Fielding, followed by a survey of 19th and early 20th 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)
The course is an analytical review and critique of literary critical writings, with the ultimate aim of developing a Christian approach to 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 present traditional and transformational grammar by showing how good writing illustrates facility with grammar and how good grammar helps for clarity in writing.

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.

FRENCH

201 Intermediate French (4)
A structural review, work in vocabulary building and selected collateral reading and listening: with added attention given to the nature of language. Prerequisite: Two years of high school French or French 101.

207 World Literature (3)
See Eng. 207. Students who wish this course to be listed as a French course will be assigned some reading in French.

208 World Literature (3)
See Eng. 208. Same as 207.

GEOGRAPHY

201 Principles of Geography (3)
An introductory course in college geography dealing with basic ideas and supporting facts about contemporary world geography. Major regions of the world will be surveyed as to their geographical characteristics and world importance.

GERMAN

General Major— Ger. 201, 202, 206, 207, 302 and five elective courses which may be selected from German (except German 101), other foreign languages and study abroad courses. One-hour units of conversation are recommended.

Teaching Major— Ger. 201, 202, 206, 207, 301, 302, 391 and a minimum of three elective courses, two of which must be in the area of literature and the other may be selected from German (except German 101), other foreign languages and study abroad courses. Four one-hour units of conversation are required.

Approval Areas
55—German

Teaching Minor— Ger. 201, 202, 206, 207, 301, 302. At least one one-hour unit of conversation is required.

Approval Areas
55—German

101 Elementary German (4)
Emphasis on the basic structure of the language, core vocabulary, and pronunciation. Assigned work in the language laboratory.

201 Intermediate German (4)
A structural review, work in vocabulary building and selected collateral reading and listening; with added attention given to the nature of language. Prerequisite: Two years of high school German or German 101.

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 Conversation and Culture (3)
This course is designed for students who wish to learn to speak German and at the same time learn about the German way of life. Emphasis will be on listening and speaking skills. The course may be taken before or after German 201. Prerequisite: German 101 or its equivalent.

207 World Literature (3)
See Eng. 207. Students who wish this course to be listed as a German course will be assigned some reading in German.

208 World Literature (3)
See Eng. 208. Same as 207.

209 Composition (3)
The primary goal of the course is to develop the writing skill. Attention will be given to vocabulary and sentence structure. Writing will be done inside and outside of class. Prerequisite: German 201 or its equivalent.

251-258 Conversation (1)
One conversation course will be offered each semester. The course is designed to give the student practice in listening and speaking. The content of the course will be altered each semester. The class will meet two times a week; one hour of preparation per week. Prerequisite: German 101.

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.

303-308 German Studies (3)
The content of the course is topical from the areas of literature, advanced language studies, methods or culture. The offering of the course as well as the content will reflect student demand 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; relation to Latin and other Indo-European languages. Simple prose readings.

102 Elementary Greek (4)
Continuation of Greek 101.

201 Intermediate Greek (4)
Comprehensive review with some attention given to the nature of language; selections from Lucian, Herodotus, and Xenophon.

202 Cultural and Literary Readings (3)
Readings from Xenophon and Plato. Prerequisite: Greek 201.

301 New Testament Greek (3)
Reading of the Synoptics, introduction to *koine* Greek and vocabulary building.

302 New Testament Greek (3)
Continuation of 301 with readings from the Epistles of Paul.

303-308 Classical Studies (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 context of other Semitic languages; simple readings.

102 Elementary Hebrew (4)
Continuation of Hebrew 101. Orientation in reading the Hebrew Bible.

HISTORY

General Major— Hist. 201, 202, and eight history courses beyond Hist. 102.

Teaching Major— Hist. 201, 202, 391; Two courses from Hist. 305, 309, 311, 312; and five history courses beyond Hist. 102.
Approval Areas
72—American History
73—World History

Teaching Minor— Hist. 201, 202; Two courses from Hist. 305, 309, 311, 312; and two history courses beyond Hist. 102.
Approval Areas
72—American History
73—World History
Note: If the Social Sciences teaching minor is also completed, the student will be eligible for 75—All subjects in History and Social Studies.

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101 Growth of Western Civilization (3)
A survey of Western Cultural development from its inception in the Near East, through Greece and Rome, the Early Church, the Renaissance and the Reformation.

102 Growth of Western Civilization (3)
Continuation of History 101. A survey of the dominant influences in Western Culture from the Reformation down to the present. The practical and ideological conflicts associated with the Enlightenment, the French Revolution, and subsequent periods of war and peace.

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 History of Ancient Greece (3)
The history of the Greeks from their migration into Greece to their conquest by Rome. Special attention is given to the development of Hellenic Culture and its influence in the Hellenistic Age.

204 History of Ancient Rome (3)
The history of Rome from its settlement to the end of the Empire in the West. Special attention is given to the development of the Constitution, the transition to Empire.

205 Medieval Europe (3)
History of Europe from the height of the Roman Empire in the second century to the end of the twelfth century. The decline of the Roman empire, the rise of Islam, and the development of Medieval institutions will be emphasized.

206 Medieval Europe (3)
Continuation of History 205. History of Europe to 1500. Study of the rise of cities, the Italian Renaissance, political and religious developments preceding the Reformation.

207 Early Modern Europe to 1660 (3)
History of the Reformation and its effects, including the religious wars of the 16th and 17th centuries, rise of Spain and Philip II, rise of France through Louis XIV, Tudor and Stuart England, and the revolutions of the 17th century.

208 Early Modern Europe 1660-1815 (3)
Continuation of History 207. Growth of overseas empires, rise of Russia and Prussia, eighteenth century England, the Enlightenment, French Revolution and the age of Napoleon.

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.

301 England to 1714 (3)
Development of English life and institutions from recorded beginnings to the end of the reign of Queen Anne. Special emphasis on Tudor and Stuart England. Prerequisite: Junior or Senior standing or permission of instructor.

302 Great Britain from 1714 to the Present (3)
Continuation of History 301. From the Hanoverian Succession to the present day. Prerequisite: Junior or Senior standing or permission of instructor.

303 Modern Russia (3)
Study of Russia in the 19th and 20th 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.

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. Prerequisite: History 201-202.

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 101-102, 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.

311 American Foreign Relations (3)
A study of the foreign relations of the United States from the birth of the Republic to approximately 1890, emphasizing the major traditions, concerns, and issues of American foreign policy of the period. Prerequisite: History 201-202.

312 American Foreign Relations (3)
Continuation of History 311. A study of the foreign relations of the United States from approximately 1890 to the present, concentrating on overseas expansion, the two World Wars, and the Cold War. Prerequisite: History 201-202.

341-350 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 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 applied to the goal articulated for the Individual Studies Major. The forty-course sequence must include courses which meet the twelve-course general education requirement; a fifteen-course major program which will insure depth of understanding and performance in the special area selected; and, thirteen 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 Vice President for Academic Affairs 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 Vice President 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 Vice President for Academic Affairs. 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 student's adviser and the suggested faculty coordinator. Completed proposals must be returned to the Vice President for Academic Affairs 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 Vice President for Academic Affairs for permission to register for IND 391 or IND 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 that in unusual cases others might be allowed to do so on petition to the Individual Studies 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. Not 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 Vice President for Academic Affairs.

392 Individual Studies (3)
Same as Individual Studies 391.

LANGUAGE

101 Elements of Language (4)
Designed to give an overview of the sound systems and basic grammatical structures of various languages in order to enable students to compare and contrast aspects of these languages.

201 Concepts of Language (4)
Deals with the nature of language and fundamental linguistic concepts such as the origin of language, diversity of languages, relationships between languages, and the history of Indo-European languages. Prerequisite: Two years of high school work in a foreign language, or a foreign language 101 course, or Languages 101.

LATIN

101 Elementary Latin (4)
The basic structures of Latin; 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. Prerequisites: Two years of high school Latin or Latin 101.

LIBRARY SCIENCE

Teaching Minor— Lbsc. 201, 202, 203, 204, 206, 391.
Approval Areas
86—Teacher Librarian

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201 Library Organization and Administration (3)
A study of the basic principles in the organization and administration of a school library including the technical and educational duties of the school librarian.

202 Book Selection (3)
An introduction to book reviewing mediums, selection aids, bibliographies and other tools essential to materials acquisition for a school library. Includes analysis of the criteria for book selection on the basis of the objectives for Christian education.

203 Reference and Bibliography (3)
The content and use of basic reference sources including dictionaries, encyclopedias, almanacs, periodicals, indexes, and bibliographies will be explored. Emphasis will be on the application of these sources to aid in the college assignments as well as the teaching of the basic reference skills to others.

204 Cataloging and Classification (3)
Fundamental principles and practical problems in classification, cataloging, and processing of materials applicable to the school library situation.

205 Children's Reading Material (3)
A reading and examination of a wide selection of children's books (approximately 55) and magazines useful in enriching the subject areas of the elementary school curriculum and in providing good reading habits. Criteria for judging such material will also be considered. Practice in story telling and similar activities related to the librarian and elementary teacher's use of children's literature in the library and classroom.

206 Adolescent Reading Interests (3)
A reading and examination of a wide selection of books (approximately 50) that could be used on the junior and senior high school level with criteria for judging such material. An introduction to different approaches for outside and in-class reading, and the planning of a thematic unit on the adolescent level.

391-392 Independent Library Project (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.

LINGUISTICS

201 General Linguistics (4)
Various approaches to language are defined and differentiated. An analysis of the structure of language is made. This course is designed for those who are interested in an introduction to linguistic studies and the application of linguistics to current language programs in the schools. Prerequisite: Two years of high school work in a foreign language, or a foreign language 101 course, or Language 101.

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).

MATHEMATICS

General Major— Math 112, 113, 202, 203, 304, 305, 311, 312, and two mathematics courses numbered 200 or above.

Teaching Major— Math 112, 113, 202, 203, 304, 311, 391, and three mathematics courses numbered 200 or above.
Approval Areas
58—Mathematics

Teaching Minor— Math 112, 113, and four mathematics courses numbered 200 or above.
Approval Areas
58—Mathematics

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106 Elements of Mathematics (3)
An introduction to the contents and methods of mathematics, current applications of mathematics, and 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: Math 106 or two years of high school mathematics.

110 College Algebra (3)
This course covers standard topics in college algebra. The study of functions and 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 the definite integral, formal differentiation and integration, transcendental functions, sequences, series, and applications. Prerequisite: Mathematics 112.

202 Calculus (5)
A study of some of the basic theorems of calculus, functions of more than one variable, vectors, other coordinate systems, solid analytic geometry, partial differentiation, multiple integration, and applications. Prerequisite: Mathematics 113.

203 Elementary Linear Algebra (3)
A study of n-dimensional vector spaces, linear transformations, matrices, and determinants with particular emphasis on their applications in other areas. 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 of the 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.

208 Modern Geometry (3)
A study of the basic concepts of euclidean, non-euclidean, finite and projective geometries. Prerequisite: Mathematics 112.

210 History of Mathematics (3)
A study of the history of the development of basic mathematical concepts, the various views of mathematics and the schools of mathematical thought. Prerequisite: Mathematics 112.

304 Abstract Algebra I (3)
An introduction to algebraic structures: groups, rings, integral domains, and fields. Prerequisite: Mathematics 202, 203.

305 Abstract Algebra II (3)
Continuation of Mathematics 304. A more extensive study of algebraic structures including polynominal fields, ideals, quotient rings, and vector spaces. 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 202.

311 Advanced Calculus I (3)
A rigorous study of functions of one and several variables, limits, continuity, differentiation, sequences, series, mappings, and transformations. Prerequisite: Mathematics 202.

312 Advanced Calculus II (3)
Continuation of Mathematics 311. A rigorous study of the theory of integration; the line and surface integrals and infinite series of functions. Prerequisite: Mathematics 311.

315 Complex Analysis (3)
A study of the complex number field, functions of complex numbers, integration, differentiation, power series, residues and poles and conformal mappings. Prerequisite: Mathematics 202.

316 Numerical Analysis (3)
A study of numerical methods for integration and differentiation, error analysis, calculus of finite differences, and applications of numerical methods of matrix algebra. Prerequisite: Mathematics 202.

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 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 Mathematics 391.

MUSIC

General Major— Music 103, 104, 203, 204, 207, 208, 308, 309, 315; A two-course sequence from 240-241, 250-251, 260-261, 270-271; Six ensemble credits; Two elective courses in music.
1. *History-Literature:* Music 210 and one elective course in music.
2. *Theory-Composition:* Music 307 and one individual studies course in music.
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, Music 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 1/2 junior recital.
Music 19

Teaching Major— (Choral) Music 103, 104, 203, 204, 207, 208, 309, 312, 313, 315, 317. One course from 210, 211, 212, 305, 307, 308. Music 240 plus one course from 241, 250, 260, 270. Six ensemble credits.
Music 19
Approval Areas
60—Music

Teaching Major— (Instrumental) Music 103, 104, 203, 204, 207, 208, 305, 309, 312, 314, 315, 316. Music 270 plus one course from 271, 240, 250, 260. One semester of class voice (Music 14) Six ensemble credits.
Music 19
Approval Areas
60—Music

Teaching Minor— Music 103, 104, 308, 315. One course from 313, 314. Two courses from 203, 204, 207, 208. Two semesters of private lessons. Four ensemble credits.
Music 19

	Approval Areas
	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 Private Instruments—For Non-Majors (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 Small Vocal Ensemble (1/2)

18 Small Instrumental Ensemble (1/2)

19 Piano Proficiency (0)

103 Introduction to Music (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 rotation skills, a functional musical vocabulary, and practical aural skills.

104 Music Theory (4)
Continuation of Music 103.

108 Music Literature (3)
A general course designed to develop intelligent discrimination in the listener. Basic elements and vocabulary structural principles and aesthetic content of music with reference to the various forms and styles will be considered. Listening will be stressed. Not open to music majors or minors.

203 Theory, Advanced (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.

204 Music Theory, Advanced (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.

207 Music History (3)
The development of the art of music, showing the cumulative values of music progress through the great epochs 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.

240 Private and Class Voice (3)
A three semester sequence of voice lessons. Music majors will register and receive credit for the course during the last semester of the sequence.

241 Private Voice (3)
A three semester sequence of voice lessons beyond 240. Prerequisite: Music 240.

250 Private Piano (3)
A three semester sequence of piano lessons. Music majors will register and receive credit for the course during the last semester of the sequence.

251 Private Piano (3)
A three semester sequence of piano lessons beyond 250. Prerequisite: Music 250.

260 Private Organ (3)
A three semester sequence of organ lessons. Music majors will register and receive credit for the course during the last semester of the sequence.

261 Private Organ (3)
A three semester sequence of organ lessons beyond 260. Prerequisite: Music 260.

270 Private Instruments (3)
A three semester sequence of lessons on one instrument. Music majors will register and receive credit for the course during the last semester of the sequence.

271 Private Instruments (3)
A three semester sequence of lessons on one instrument beyond 270. Prerequisite: Music 270.

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.

311 Materials of Elementary Music Education (3)
A course designed to provide background skills and materials in music necessary for the prospective elementary teacher. (Not open to music majors, minors, or area specialists).

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 education, 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.

316 Pedagogy (3)
Methods of teaching strings, woodwinds, brass, and percussion. A separate semester will be devoted to each area. Students will register and receive credit for the course in the last of the required semesters.

317 Pedagogy (3)
Methods of teaching voice and two instrumental groups from strings, woodwinds, brass, and percussion. A separate semester will be devoted to each of the three areas. Students will register and receive credit for the course in the last of the required semesters.

340 Advanced Voice Study (3)
Advanced voice pedogogy and literature. (By audition only)

341 Advanced Voice Study (3)
Continuation of Music 340.

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)
Advance 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— Bio. 115, 122, 200, 213, 235, and two elective courses in biology; Chem. 103, 104, 201, 202, 203, 205, 311; Phys. 115, 116 or 125, 126; Math 112.

Teaching Major— Bio. 115, 122, 200, 213, 235, 391, and one elective course in biology; Chem. 103, 104, 201, 202, 203, 205, 311; Phys. 115, 116 or 125, 126; Math 112.

Approval Areas

63—Biology
64—Chemistry
65—General Science
68—All Sciences
88—Physical Sciences

PHILOSOPHY

General Major— Phil. 201, 301, 302, 303; One course from Phil. 307, 312; Five elective courses in philosophy.

201 Perspectives in Philosophy (3)
An introduction to the nature, task, and basic problems of philosophy, with special examination of its role in contemporary culture.

202 Logic (3)
An introduction to the principles of right reasoning with work in both the deductive and inductive methods of logic.

301 Ancient Philosophy (3)
A historical survey of philosophical problems and movements from the early Greeks through Neoplatonism. Readings in primary sources and a research paper.

302 Medieval Philosophy (3)
A historical survey of philosophical problems and movements beginning with the Patristics to the end of the fifteenth century. Readings in primary sources and a research paper.

303 Modern Philosophy (3)
A historical survey of philosophical problems and movements from the end of the fifteenth century to the beginning to the nineteenth century. Readings in primary sources and a research paper.

305 Ethics (3)
Introduction to the basic types of ethical theory as they have come to expression in Western thought.

306 Aesthetics (3)
A study of general aesthetic theory, it's application to the various art forms and the relation of aesthetic values to other values, particularly moral values.

307 Contemporary European Philosophy (3)
A historical survey of the philosophical problems and movements in Europe from the beginning of the nineteenth century to the present. Readings in primary sources and a research paper.

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)
A study in depth of selected topics in the systematics of Christian philosophy with emphasis on the contributions of Dooyeweerd and Vollenhoven. Specific attention will be given to the confrontation of Christian thought with some of the most influential non-Christian systems.

312 History of American Philosophy (3)
A study of the main movements in American philosophy from the seventeenth century to the present. Selected readings and a research paper relating philosophic influence to some aspect of American life.

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— PE 201, 203, 204, 205, 207, 208, 209, 304, 305; Two courses from PE 105, 206, 210, 211, 212, 306.

Teaching Major— PE 201, 203, 204, 205, 207, 208, 209, 304, 305, 306, 391; One course from PE 105, 206, 210, 211, 212. (For vertical certification PE 105 is also required).
Approval Areas
62—Physical Education

Teaching Minor— PE 203, 204, 205, 207, 212; Two courses from 209, 304, 305, 306, 391.
Approval Areas
62—Physical Education

10 Contemporary Health Problems (1) P/F
This course is designed to help students examine contemporary health problems and to consider possible solutions.

11 Beginning Swimming (Cr.)
For non-swimmers. Designed to develop the basic skills and confidence essential to survival and recreational swimming.

12 Intermediate Swimming (Cr.)
Improvement of swimming strokes, diving skills and water safety techniques. Preparatory course for lifesaving. Prerequisite: Beginning Swimming or demonstrated ability.

13 Advanced Swimming (Cr.)
Improving the individuals understanding and performance in competitive swimming, diving and water games.

14 Golf-Badminton (Cr.)
Development of skills, techniques and participation in beginning golf and badminton. Students must furnish clubs for playing golf. No greens fees for class work.

15 Gymnastics-Tumbling (Cr.)
Development of beginning and intermediate skills and techniques in gymnastics and tumbling. Course includes work on free exercise, parallel bars, balance beam, sidehorse, vaulting, trampoline, rings, and uneven bars.

16 Archery-Bowling (Cr.)
Development of skills and techniques in archery and bowling. Students must furnish arrows and pay for bowling lines.

17 Power Volleyball (Cr.)
Development of skills, techniques and participation in power volleyball.

18 Tennis-Bowling (Cr.)
Development of skills and knowledge in tennis and bowling necessary for recreational purposes of the beginner.

19 Personal Physical Fitness (Cr.)
Knowledge, development and maintenance of personal physical fitness through the use of "aerobics", calisthenics, the "exergenie", etc.

20 Self Defense-Tennis (Cr.)
Emphasis will include understanding and developing the basic rudiments of personal self-defense techniques. Tennis skills and playing strategy for recreational use will also be taught.

21 Weight Training-Jogging (Cr.)
A well-rounded weight training and jogging program will be emphasized with carry-over recreational emphasis.

22 Slimnastics (Cr.)
Introduction to programs for weight control. Exercise activities for the purpose of muscular fitness. Rhythmic activities, pool activities, trampoline and partner activities.

23 Bicycling-Table Tennis (Cr.)
Emphasis will be placed on bicycle safety and recreational use of bicycling. Skills and techniques of table tennis will be taught.

24 Personalized Skill Development (Cr.)

25 Adaptive Physical Education (Cr.)
Restricted activity for students with physical disabilities. Prerequisite:Recommendation by a medical doctor.

105 Elementary School Health and Physical Education (3)
This course stresses the general background and information needed for formulating and teaching a suitable program in health and physical education for elementary students.

201 Introduction to Physical Education (3)
Intending 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 systems, 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.)

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)
The course is designed to study body needs and processes during exercise. Meal planning, weight control, and diets for special conditions will be discussed.

212 Foundations of Coaching (3)
Designed to study the physiological, sociological, and psychological elements in guiding athletes in competitive sports. (Open to Junior and Senior P.E. students only.)

304 Skills and Methods in Individual Sports (3)
Personal participation skills will be developed and a detailed study will be made of teaching methods, rules, strategy of gymnastics, track-field, wrestling, and rhythmics. (Open only to professional physical education students.)

305 Skills and Methods in Team Sports (3)
Personal participation skills will be developed and a detailed study will be made of teaching methods, rules, and strategy of basketball, field hockey, soccer, and volleyball. (Open only to professional physical education students.)

306 Methods and Skills in Leisure Sports (3)
The course open only to professional physical education students, will place emphasis on how to teach the following activities: bowling, badminton, games and relays, rhythmics, golf, tennis, archery, weight training, and jogging.

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— Astr. 103 or 121; Astro. 104 or 122; Chem. 103, 104; Phys. 115, 116; Two additional courses in chemistry or two additional courses in physics.
Approval Areas
88—Physical Sciences

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101 Introduction to Physical Science: Chemistry, Electricity and Mechanics (3)
An attempt is made to answer from a Christian point of view the questions most frequently asked by the non-scientist concerning the physical aspects of the world. There are no mathematical or other scientific prerequisites. Chemistry, electricity, mechanics, and the relationship between science and the Reformed faith are covered. Intended for students who have not had chemistry or physics in high school. Three lectures per week.

102 Introduction to Physical Science: Astronomy and Geology (3)
A non-mathematical descriptive survey of modern astronomy and geology, with discussion of the relationship of these areas and the Reformed faith. Students will have opportunity to make telescopic observations. Physical Science 101 is not a prerequisite.

201 Perspectives in Physical Science (3)
The unity existing in the physical aspect of creation is used to develop a christian

attitude toward physical science. Various schools of thought are examined. The difference between christian and non-christian approaches of order in creation are among the topics treated. Mathematics is not a prerequisite. Three lectures. Prerequisite: One year of college science.

PHYSICS

General Major—	Phys. 115, 116, 215, 216, 335, 336; Three courses from Phys. 206, 325, 326, and Chem. 302; Chem. 301; Math 112, 113, 202, 204.
Teaching Major—	Phys. 115, 116, 206, 215, 216, 335, 336; Chem. 301; Math 112, 113, 202, 204. *Approval Areas* 66—Physics 88—Physical Sciences
Teaching Minor—	Phys. 115, 116, 206, 215, 216; One course from physics or astronomy (other than 391-392). *Approval Areas* 66—Physics
Astronomy/ Physics Major—	Astronomy 103, 104, 203 and 204 or 252; Chemistry 103; Mathematics 112, 113, 202, 204; Physics 115, 116, 215, 216; and three courses from Chemistry 301, Physics 325, 326, 335, 336.

115 General Physics (4)
An introduction to the workings of the physical universe. The classical conservation laws (mass, momentum, energy) and the classical interactions (gravitational, electric, magnetic) are considered. Three lectures and one laboratory period or problem solving session per week. No prerequisite.

116 General Physics (4)
Continuation of 115. Light and waves, physics of the very fast (relatively) and physics of the very small (quantum theory, atoms, and nuclei) are considered. Three lectures and one laboratory period or problem solving session per week.

125 Introductory Physics (4)
Introduction to topics in physics for students intending to take more advanced courses in the physical sciences. The three lectures per week will be the same as Physics 115. Instead of laboratory, there will be one two-hour problem solving session per week, during which students will be introduced to mathematical methods of physics. Pre-engineering students and physics majors are expected to take this course. Prerequisite: Enrollment in or completion of Math 112.

126 Introductory Physics (4)
Continuation of Physics 125.

201-205 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 prerequisites will depend on the topics covered.

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.

215 Electricity and Magnetism (4)
A study of electrostatics, magnetic fields, Faraday's law of induction, direct and alternating currents, Maxwell's equations, and electromagnetic waves. This course will provide background for more advanced courses in physics, while at the same time giving adequate coverage of electricity at the meaningful level for those students who will go no further into the subject. Three lectures and one laboratory period per week. Prerequisite: Physics 116 and Mathematics 113.

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 and registration in Mathematics 204.

301-305 Research (1)
Original research in experimental or theoretical physics on an approved topic supervised by departmental staff. Prerequisite: 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. Three lectures per week. Prerequisite: Physics 216 and Mathematics 202.

326 Electromagnetic Theory (3)
A course in the mathematical theory of electricity and magnetism. Three lectures per week. Prerequisites: Physics 215 and Mathematics 202 and 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 215 and 216.

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.

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

Teaching Minor— Plsc. 201, 202, 203, 204, 205, and 301; Hist. 201, 202, 311, 312.
Approval Areas
71—American Government

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201 Introduction to Political Science (3)
An examination of important concepts and terminology of political science and a sampling of various subdivisions of the discipline. Areas of emphasis include the nature of the state, forms of government, major political ideologies, and contemporary political systems.

202 Introduction to American Government (3)
A study of American government with particular emphasis placed on the constitutional principles upon which it is based, but also giving attention to the civil liberties, political institutions, and political processes that are part of the American political system.

203 Political Parties (3)
A study of the American two-party system and the role of the parties in the American political process. Emphasis is placed upon the nature of the political parties and the electoral process, but attention is also given to the development and organization of the major parties, the role of interest groups, and the voting behaviour of the electorate.

204 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 and current developments in constitutional law in reference to civil liberties.

205 State and Local Government (3)
An examination of the political structures, institutions, and procedures of state and local governments in the United States including their interrelationships with each other and with the Federal government.

301 Comparative Government (3)
A study of the political institutions and processes of key contemporary political systems. Particular emphasis will be placed upon the political systems of Great Britain and the Soviet Union, but those of other representative states will be included. Attention will also be given to the politics and problems of nation-building in the developing countries.

PSYCHOLOGY

General Major— Psych. 201, 207, 301; Seven courses in psychology.

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201 General Psychology (3)
An introduction to the field of psychology surveying the areas of motivation, perception, learning, personality, abnormal psychology and psychotherapy. Some attention will be given to the philosophical presuppositions underlying contemporary psychology and an attempt will be made to understand the various problems considered in light of a Biblical view of man.

205 Developmental Psychology (3)
The study of the growth and maturation of the individual from conception through adulthood, focusing on personality, moral, cognitive, and social development. Particular emphasis will be placed on the child and adolescent developmental stages. Prerequisite: Psychology 201.

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)
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.

212 Child Psychology (3)
A study of child development and behavior from conception to early adolescence. Prerequisite: Psychology 201.

213 Adolescent Psychology (3)
A study of the transition period between childhood and adulthood. Emphasis upon the peculiar stresses and problems of the adolescent period. Prerequisite: Psychology 201.

215 Educational Psychology (3)
The study of psychology as it relates to the educational environment. Topics studied are the learner, the learning process, the learning environment, evaluation, and an application of theory to school conditions and situations. There will be two class periods per week plus one hour per week of involvement in a school environment: mini-teaching, observation, case study. Prerequisite: Psychology 201.

221 Physiological Psychology (3)
An introduction to the physical bases of behavior. Research finding and laboratory techniques will be discussed. Emphasis will be placed on the neural process underlying brain functioning and the process of sensation. Prerequisite: Psychology 201.

225 Psychology of Adjustment and Behavioral Disorders (3)
A study of the processes of adjustment to conflict and stress situations, with emphasis on the development, symptoms, and manifestations of behavioral disorders. 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 Theory (3)
Study of the most influential learning theories including the theories of Thorndike, Pavlov, Skinner, Hull, and Gestalt theory. Also contemporary developments in learning theory and several Christian-oriented theories will be considered. Prerequisite: Psychology 201.

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-orientated theories. Prerequisite: Psychology 201.

305 Motivation and Emotion (3)
The "why" of human activity. A biblically-based view on religion, human nature, human relationships, and motivation will be used to evaluate psychoanalytic, behavioristic, humanistic, existential, physiological, and other perspectives on motivation and emotion. Some practical work in emotional and/or motivational sensitivity will be required. Prerequisite: Psych. 201.

310 History and Systems of Psychology (3)
The historical development of psychological theories from ancient Greece to the schools of structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis, and humanistic psychology. Prerequisites: Psychology 201, Philosophy 201.

315 Introduction to Counseling Techniques (3)
Introductory course in counseling techniques emphasizing the dynamics of the counseling process and characteristics of the counseling relationship in the light of the biblical directives concerning human nature, purpose, responsibility, and conduct. Prerequisite: A minimum of 3 courses in Psychology.

320 Advanced General Psychology (3)
An in-depth study and review of the various areas of psychology in a seminar type setting. Topics such as attention, perception, motivation, personality, development, history and

philosophy, or learning will be dealt with based on individual student's interest and needs.

341-350 Special Topics (3)
Each of these courses is designed to be a special interest course utilizing individual strengths, interest, 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.

SECRETARIAL SCIENCES

ASSOCIATE OF ARTS (TWO—YEAR PROGRAM)

Courses
A minimum of 20 courses is required for graduation.
Distribution Requirements

I. General Education Requirements	
English 101 (unless waived by the department)	0-1
English 200	1
Math 106 (or Math Proficiency)	0-1
Theology 101	1
Theology 201, Theology 301, or Philosophy 201	1
Speech Elective	1
Psychology 201	1
Natural Science	1
*Elective from specified departments	1
	7-9
II. Area of Concentration—Secretarial Sciences	
Bus. Ed. 105	1
Bus. Ed. 111, 112 (unless waived by the department)	0-2
Bus. Ed. 113	1
Bus. Ed. 211, 212 (unless waived by the department)	0-2
Bus. Ed. 213	1
Bus. Ed. 321	1
Bus. Ad. 101	1
Bus. Ad. 222	1
Bus. Ad. 201 or Bus. Ad. 301	1
	7-11
III. Electives	0-6

If any of the above courses is waived by the college, the student may substitute courses from any department in the college to make a total of 20 courses.

*Courses elected to satisfy the general education requirements must be taken from two of the following areas: Economics, Foreign Languages, History, Mathematics, Music, Natural Sciences, Psychology, Political Science, Sociology.

SOCIAL SCIENCES

General Major— Hist. 201, 202, and four elective history courses numbered 200 or above; Econ. 201, 202; Plsc. 201, 202; Soc. 201, 202, 207, 210; Three additional courses selected from among the economics, history, political science, and sociology departments.

Teaching Major— Hist. 201, 202; Two courses from Hist. 305, 309, 311, 312; Two history elective courses numbered 200 or above; Econ. 201, 202; Plsc. 201, 202; Soc. 201, 202, 207; Geog. 201; Three additional advanced courses in history (to include 391) or four additional courses in sociology (to include 391). Two additional courses selected from among the economics, history, political science, and sociology departments.

Approval Areas
72—American History
73—World History
75—All Subjects in History and Social Studies

Teaching Minor— Econ. 201, 202; Plsc. 201, 202; Soc. 201, 207, and one elective course in sociology; Geog. 201.

Approval Areas
*75—All Subjects in History and Social Studies
*If combined with a history major

SOCIAL SERVICES

General Major— Psych. 201, 210; Soc. 201, 202, 207, 301, 302, 303, 374, 391; two elective courses in psychology; two elective courses in sociology.

207 Social Science Research (3)
A survey of techniques of collecting social data such as interviewing, participant observation, and use of questionnaires. Emphasis will be placed on formulation of social science issues as research questions and descriptive statistical techniques for presentation and manipulation or social data. Students will participate in collection of social data and the analysis and appraisal of research findings and reports.

301 Introduction to Social Work (3)
This course will examine the history, theory, and values of social work as a developing profession in response to societal problems. The course will include a survey of methods of social work and the major fields of practice. This course is designed for those who would like to explore their interests in social work as a possible career choice.

302 Integrated Practice Methods (3)
An introduction to social work practice principles and methods utilizing an integrated approach to working with individuals, groups, and communities. Special emphasis will be given to the development of student interactional skills in simulative situations utilizing major social work practice approaches.

303 Child and Family Welfare (3)
This course will include a historical survey of the development of child and family welfare including analysis of the governing policies as affected by philosophical, political, and economic concerns. Based on this survey, current programs will be discussed and evaluated.

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 himself as a social worker. As the student works in the service agency (usually three (3) days per week), this experience will in turn enhance further development of his practice knowledge and skills.

SOCIOLOGY

General Major— Soc. 201; Nine courses in sociology.
Teaching Minor— Soc. 201, 202, 207, 210; Two elective courses from Soc. 203, 205, 206, 211, 391.
Approval Areas
74—Sociology

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201 Principles of Sociology (3)
A study of the nature and methodology of sociology, and an introduction to its field of investigation, including an analysis of the structure and form of various social relationships. The course also includes an intensive treatment of the socialization process, the cultural heritage, social systems, and institutional alignments.

202 Social Problems (3)
A study of the current social problems — their nature, extent, causes and remedies in the light of God's Word; especially problems arising out of population growth, war, crime and deviance, alcoholism and drug addiction, the degradation of work in modern society, poverty and mental illness. Special emphasis will be placed on pollution and the environmental crisis. Prerequisite: Sociology 201.

203 The Family and Marriage (3)
A study of the structure and forms of marriage and family, including an analysis of their various functions and intertwinements with other social relationships in various cultures past and present. The contemporary dating, courting and marriage and divorce patterns of Americans are also discussed and studied in the light of a Biblical perspective. Prerequisite: Sociology 201.

204 Criminology (3)
An analysis of the extent, pattern and causes of delinquency and crime in modern society in the light of the Biblical view of man, followed by a survey of police and court procedures and the various penal and treatment programs. Prerequisite: Sociology 201.

205 Community Organization (3)
A descriptive and theoretical analysis of the community and urban subcultures. The historical background and conceptual framework of community organization is also discussed as well as the dimensions of community organization and development and a definition of professional practice, the role of the community organization worker and methods of community organization. Prerequisite: Sociology 201.

206 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: 201.

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)
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.

211 Sociology of Mass Communications (3)
The development of the mass media in their social context followed by an analysis of the characteristics and functions of mass communications, methods of control and support, contemporary theories of mass communication, an analysis of content, the effectiveness of the mass media and their social effects, and the responsibility for mass communications.

301 Introduction to Social Work (3)
This course will examine the history, theory, and values of social work as a developing profession in response to societal problems. The course will include a survey of methods of social work and the major fields of practice. This course is designed for those who would like to explore their interests in social work as a possible career choice.

302 Integrated Practice Methods (3)
An introduction to social work practice principles and methods utilizing an integrated approach to working with individuals, groups, and communities. Special emphasis will be given to the development of student interactional skills in simulative situations utilizing major social work practice approaches. (Open only to senior social services majors.)

303 Child and Family Welfare (3)
This course will include a historical survey of the development of child and family welfare including analysis of the governing policies as affected by philosophical, political, and economic concerns. Based on this survey, current programs will be discussed and evaluated. (Open only to senior social services majors).

341 Gerontology and the Problems of Aging (3)
The first part of the course will be an introduction to gerontology, examining the demography, psychology, sociology of aging, and the major theories of aging. The second part of the course will deal with the problems of aging and society's response to those problems.

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 himself as a social worker. As the student works in the service agency (usually three (3) days per week), this experience will in turn enhance further development of his practice knowledge and skills. (Open only to senior social services majors).

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

101 Elementary Spanish (4)
Emphasis on the basic structure of the language, core vocabulary, and pronunciation.

201 Intermediate Spanish (4)
Intermediate Spanish has been introduced to enable students who have had two years of high school Spanish or one year of college Spanish to meet their Language 201

requirement for graduation. Prerequisite: Two years of high school Spanish or Spanish 101.

206 Conversation and Culture (3)
This course is designed for students who wish to learn to speak Spanish and at the same time learn about the Spanish way of life. Emphasis will be on listening and speaking skills. The course may be taken before or after Spanish 201. Prerequisite: Spanish 101 or its equivalent.

207 World Literature (3)
See Eng. 207. Students who wish this course to be listed as a Spanish course will be assigned some reading in Spanish.

208 World Literature (3)
See Eng. 208. Same as 207.

THEATRE ARTS

General Major—	TA. 201, 202, 203, 207, 208, 317, 340; two courses from TA. 364, 365, Eng. 312; two courses from TA. 371, 373, 375, 377; four units from TA. 011-044; four units from TA. 051-058.
Teaching Minor— (Speech Endorsement)	TA. 201, 202; two courses from TA. 207, 208, 317; Comm. 212; one course TA. 371, 373, 375, 377; Educ. 341; two units from TA. 014-044.

011-014 Light/Sound Design and Tech (1)

015-018 Scene Design and Tech (1)

019-024 Costume Design and Building (1)

025-028 Properties/Makeup Design and Application (1)

029-032 Advanced Individual Acting (1)

033-036 Ensemble Acting and Music Performance (1)

037-038 Directing (1)

039-040 Directing and Management (1)

041-044 Stage Movement (1)

051-058 Choral Theatre (1)

200 Introduction to the Dramatic Arts (3)
An exploratory course in art forms which uses as a predominant mode of expression the human body — theatre, opera, film, television, dance. Readings and production viewings.

201 Introduction to Theatre (3)
An introduction to historical periods through dramatic texts and theatre designs. An introduction to the history of theatre, terminology, approaches to design in lights and sets, comedy and tragedy as concepts, theatre organization, and theatre as art.

202 Fundamentals of Acting (3)
Studies of and practices in the art and craft of acting. Concentration, physicalization, textual analysis, text and character analysis, vocalization, control, use of space, stage geography, approaches to acting, and acting styles.

203 Scene and Light Design (3)
Prerequisite: 201. Introduction to the process of providing scenic and lighting support to the development of a theatrical production. Use of materials, artistic renderings, models, and shop drawings included.

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 207, with an emphasis on the rise of realism in the late 19th century, and the reaction in the 20th century. Readings in dramatic works.

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.

303 Advanced Production Design and Theatre Management (3)
Review of basic design principles (203), with introduction of special problems, such as multiple scenes, trap doors, turntables, special effects, and mood lighting. Also an introduction to the management of theatre from a professional and business point of view.

317 Musical Theatre Literature (3)
A historical, aesthetic, and critical look at the development and growth of the literature for the musical stage; opera, musicals, operettas, masques, oratorio, and other musical-dramatic works.

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 drama which affected theatre in North America and Europe since 1920. Included: Kaiser, Pirandello, O'Neill, Giraudox, Anouilh, Sartre, Brecht, Williams, Miller, Osborne, Beckett, and Duerrenmatt.

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 area of specialization 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 area of specialization 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 area of specialization 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 area of specialization students.

391 Individual Studies (3)

392 Individual Studies (3)

THEOLOGY

General Major— Theo. 210, two courses from Theo. 211, 212, 215, 216, one course from Theo. 201, 202, 203, two 300-level courses, and four elective courses in Theology.

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101 Perspectives in Biblical Theology (3)
This course surveys 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)
This course is 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. Stress 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 upon the various crises which have threatened and helped shape Christianity in our civilization. In tracing the forces of reformation and deformation which have been operative throughout the history of Western Christendom, special notice will be taken of the peculiar features of Calvinistic Christianity.

203 History of Reformed Theology
Through assigned readings in major Continental and Anglo-American Reformed theologians the development of Reformed theology from Calvin to the present day is investigated. Roughly one-third of the course is devoted to theological issues in the Christian Reformed Church as these are discussed in her official publications and in other periodicals.

210 The Scriptures (3)
The chief objective of this course is to gain insights into the nature and role of Scriptures. 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 on 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 implications 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.

302 Mission and Evangelism
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.

303 The Kingdom
Through an intensive study of the Biblical material on the kingdom, readings in selected Biblical theologians, and attention to interpretations and applications of various kingdom theologies, this course develops a theology of the kingdom.

305 North American Protestantism (3)
Mainly an orientational and partly an in-depth study of the outstanding characteristics of Protestantism in Canada and in the U.S.A. Attention will center on such movements as Puritanism, Revivalism, Social Gospel, Fundamentalism, Liberalism, Evangelicalism, Congregationalism, Episcopalianism, Presbyterianism, Reformed Christianity, etc.

307 Major World Religions (3)
A study of major non-Christian religions of the world including Primitivism, 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 historical study of Israel and its surrounding nations and people between Judah's Fall in 586 B.C. and the Fall of Jerusalem in A.D. 70. Emphasis will fall upon a study of the Maccabees, Zelotes, School of the Prophets, Pharisees, Sadducess, Apocryphal Books, the Jewish Dispersion, and the coming of Christ in the fullness of time.

311 Heresies and Sects (3)
Mainly a systematic-historic study of various confessional aberrations and the resultant rise of different sects. Attempts will be made to connect all of this with the implied anthropologies and interpretations of the nature of reality in general and of culture and society in particular.

341-49 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.

391-92 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.

College Personnel

BOARD OF TRUSTEES

OFFICERS

Chairman ..... Rev. John Engbers
Vice Chairman ..... Dr. A. Boeve
Secretary ..... Rev. Henry Vanden Heuvel
Treasurer ..... Mr. Bernard De Wit
Adjunct ..... Rev. Bert Den Herder

MEMBERS

Dr. Arnold Boeve ..... Sheldon, Iowa
Mr. Everett Fikse ..... Hills, Minnesota
Mr. Art Vanden Bosch ..... Doon, Iowa
Rev. John Fondse ..... Hull, Iowa
Rev. Bert Den Herder ..... Luverne, Minnesota
Rev. John Engbers ..... Rock Valley, Iowa
Mr. Bernard Kooiman ..... Chandler, Minnesota
Rev. Henry Vanden Heuvel ..... Sioux Center, Iowa
Mr. Harold De Wit ..... Hull, Iowa
Mr. Ted Van Bruggen ..... Sioux Center, Iowa
Mr. Herman De Berg ..... Dike, Iowa
Mr. Bill Goeman ..... Clara City, Minnesota
Rev. Gerrit Vander Plaats ..... Oskaloosa, Iowa
Mr. Ed Memmelaar ..... Prairie City, Iowa
Rev. Kenneth Van De Griend ..... Ackley, Iowa
Rev. Ted Wevers ..... Raymond, Minnesota

VOTING MEMBERS

NAME	ADDRESS	TERM EXPIRES
District 1–Minnesota North		
Bill Goeman	Clara City, Minnesota	1978
Lawrence Kiel	Pease, Minnesota	1978
Rev. Anthony Louwerse	Willmar, Minnesota	1978
Donald Groen	Renville, Minnesota	1979
Henry Vande Vegt	Ogilvie, Minnesota	1979
Rev. Ted Wevers	Raymond, Minnesota	1979
Albert Boersma	Raymond, Minnesota	1980
Lester Brouwer	Clara City, Minnesota	1980
Clayton De Jongh	Edina, Minnesota	1980
District II–Minnesota South		
Rev. Peter Brouwer	Edgerton, Minnesota	1978
Adrian Bouma	Edgerton, Minnesota	1978
Peter Walhof, Jr.	Pipestone, Minnesota	1978
Rev. B. Den Herder	Luverne, Minnesota	1979
Gerrit Esselink	Leota, Minnesota	1979

Bernard Kooiman	Chandler, Minnesota	1979
Ted Kempema	Worthington, Minnesota	1980
Louis Schaap	Edgerton, Minnesota	1980
William Vander Werf	Colton, South Dakota	1980
District III–Northcentral Iowa		
Joe Graves	Dike, Iowa	1978
Arnold Schaap	Aplington, Iowa	1978
John Schreur	Kanawha, Iowa	1978
Jack Bakker	Wellsburg, Iowa	1979
Rev. Kenneth Vande Griend	Ackley, Iowa	1979
Dale Voss	Aplington, Iowa	1979
Melvin Nederhoff	Steamboat Rock, Iowa	1980
John Rietema	Kanawha, Iowa	1980
Rev. Curt Roelofs	Cedar Falls, Iowa	1980
District IV–Orange City		
Paul Beimers	Sibley, Iowa	1978
Rev. Edward Blankespoor	Orange City, Iowa	1978
Charles Stienstra	Hull, Iowa	1978
Henry Buteyn	Sanborn, Iowa	1979
Percy Bylsma	LeMars, Iowa	1979
Rev. John Fondse	Hull, Iowa	1979
Albert J. Kroese	Boyden, Iowa	1980
Peter I. Noteboom	Orange City, Iowa	1980
Wallace Schaap	Sheldon, Iowa	1980
District V–Pella		
Frank Gritters	Pella, Iowa	1978
Bernard Van Ee	Otley, Iowa	1978
Jay Veldhouse	Pella, Iowa	1978
Howard Groenendyk	Cedar, Iowa	1979
Ed Memmelaar	Prairie City, Iowa	1979
Rev. Gerrit Vander Plaats	Oskaloosa, Iowa	1979
Rev. Robert Holwerda	Pella, Iowa	1980
Jacob Vander Molen	Pella, Iowa	1980
Bernie Vos	Sully, Iowa	1980
District VI–Sioux Center		
William Van Zanten	Rock Valley, Iowa	1978
Rev. Henry Vanden Heuvel	Sioux Center, Iowa	1978
Rev. William Verhoef	Corsica, South Dakota	1978
Berwyn Krommendyk	Sioux Falls, S.D.	1979
Rev. David Smit	Inwood, Iowa	1979
Edwin Veurink	Harrison, South Dakota	1979
Henry E. Blankespoor	Inwood, Iowa	1980
Arnold Feekes	Sioux Center, Iowa	1980
Art Vanden Bosch	Doon, Iowa	1980
District VII–California South		
Rev. Paul Boertje	LaMirada, California	1978
District VIII–Central California		
Mr. Henry Van Groningen, Jr.	Ripon, California	1978

District IX–Columbia		
Mr. Dick De Groot	Manhanttan, Montana	1978
District X–Pacific Northwest		
Mr. Ben Boxum	Lynden, Washington	1978
District XI–Rocky Mountain		
Mr. Roland Buteyn	Denver, Colorado	1978
District XII–Wisconsin		
Rev. John Hoeksema	Racine, Wisconsin	1978
MEMBERS-AT-LARGE		
Rev. John Engbers	Rock Valley, Iowa	1978
Ted Van Bruggen	Sioux Center, Iowa	1978
Dr. A. J. Boeve	Sheldon, Iowa	1979
Everett Fikse	Hills, Minnesota	1979

ADMINISTRATIVE PERSONNEL

OFFICE OF THE PRESIDENT

BERNARD HAAN (1959), *College President.*
A.B., Calvin College; Th. B., Calvin Seminary.

R. J. DYKSTRA (1963), *General Administrative Assistant.*

OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS

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

HOWARD HALL (1970), *Director of Admissions and Financial Aid.*
A. B., Calvin College; A. M., University of South Dakota.

EUGENE VAN DEN BOSCH (1973), *Admissions Counselor.*
A. B., Dordt College.

DARYL VOGEL (1973), *Admissions Counselor.*
A. B., Dordt College.

OFFICE OF THE BUSINESS MANAGER

BERNARD DE WIT (1966), *Business Manager.*
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.

CORNELIUS RYLAARSDAM (1972), *Controller.*
A. B., Calvin College.

OFFICE OF THE DEAN OF STUDENTS

JOHN HULST (1968), *Dean of Students.*
A. B., Calvin College; B. D., Calvin Theological Seminary; Th.M., Calvin Theological Seminary.

LEONARD VAN NOORD (1973), *Assistant Dean of Students.*

OFFICE OF DEVELOPMENT

LYLE GRITTERS (1969), *Director of Development.*
B. S., University of South Dakota.

VERLYN DE WIT (1975), *Development Representative.*
A. B., Dordt College.

OFFICE OF STUDENT PROGRAMMING AND PLACEMENT

JOHN VERWOLF (1975), *Director of Student Programming and Placement.*
A. B., Calvin College; M. Ed., Seattle Pacific College.

LIBRARY

HESTER HOLLAAR (1964), *Librarian.*
B. S., North Dakota State Teachers College; M.A., (Librarianship), University of Denver.

LOUISE HULST (1968), *Reference Assistant.*
A. B., Calvin College.

EMMA VANDEN BERG (1967), *Reference Assistant.*

THE FACULTY

WILLIS ALBERDA (1964), *Professor of Mathematics.*
A. B., Calvin College; M.S., Montana State University, Ph. D., Montana State University.

SYNE ALTENA (1968), *Associate Professor of Physical Education.*
A. B., Westmar College; A. M., Michigan State University; M. A., Central Michigan University.

DALLAS APOL (1965), *Associate Professor of German.*
A. B., Calvin College; A. M., University of Michigan; Ph. D., University of Montana.

DUANE BAJEMA (1977), *Instructor of 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.*
A. B., Calvin College; A. M., University of South Dakota.

GERALD BOUMA (1969), *Associate Professor of Music.*
A. B., Northwestern College; M. M., Arizona State University.

RICHARD BUCKHAM (1975), *Instructor of Psychology*.
B. A., Greenville College.

KENNETH BUSSEMA (1974), *Assistant Professor of Psychology*.
B. S., Northern Arizona University; M. A., Northern Arizona University.

JOHN BYL (1977), *Visiting Professor of Physics*.
B. Sc., University of British Columbia; Ph. D., University of British Columbia.

HARRY COOK (1977), *Associate Professor of Biology*
B. S., University of British Columbia; M. S., University of British Columbia; Th. D., Free University.

HUGH COOK (1970), *Assistant Professor of English*.
A. B., Calvin College; A. M., Simon Fraser University.

HENRY DE GROOT (1969), *Professor of Business Administration and Economics*.
B.S., Sioux Falls College; M. B. A., University of South Dakota; C. P. A., Iowa.

JAMES DE JONG (1974), *Associate Professor of Theology*.
A. B., Calvin College; B. D., Calvin Theological Seminary; Th.D., Free University.

MARTIN DEKKENGA (1969), *Associate Professor of Speech*.
A. B., Calvin College; A. M., University of Northern Iowa, A. M., University of South Dakota.

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.

CLARENCE DOORNBOS (1976), *Instructor of Music*.
A. B., Calvin College; M. M., VanderCook College of Music.

GEORGE FABER (1974), *Associate 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.

BERNARD J. HAAN (1959), *College President*.
A. B., Calvin College; Th. B., Calvin Seminary.

HOWARD HALL (1970), *Director of Admissions and Financial Aid*.
A. B., Calvin College; A. M., University of South Dakota.

RICHARD HODGSON (1969), *Associate Professor of Astronomy*.
A. B., Swarthmore College; M. Div., Union Theological Seminary; Th. M., Westminster Theological Seminary.

GERALD HOEKEMA (1971), *Assistant Professor of Mathematics*.
B. S., Calvin College; M. S., Purdue University.

HESTER HOLLAAR (1964), *Librarian.*
B.S., North Dakota State Teachers College; M. A., (Librarianship), University of Denver.

ETTA HUISMAN (1972), *Instructor of Physical Education.*
A. B., Central College.

JOHN HULST (1968), *Dean of Students.*
A. B., Calvin College; B. D., Calvin Theological Seminary; Th. M., Calvin Theological Seminary.

WAYNE KOBES (1973), *Instructor 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.

JAMES KOLDENHOVEN (1962), *Associate Professor of English.*
A. B., Calvin College, A. M., University of South Dakota.

RUSSELL MAATMAN (1963), *Professor of Chemistry.*
A. B., Calvin College; Ph.D., Michigan State University.

NOEL MAGEE (1970), *Associate Professor of Music.*
B. M., Wheaton College; M. M., Indiana University.

NORMAN MATHEIS (1977), *Associate Professor of Art.*
B. S. D., University of Michigan; M. F. A., University of Michigan.

MERLE MEETER (1962), *Associate Professor of English.*
A. B., Calvin College; A. M., University of Michigan.

AALDERT MENNEGA (1964), *Professor of Biology.*
A. B., Calvin College; A. M., Michigan State University; Ph.D., Michigan State University.

VERNON MEYER (1977), *Instructor of Theatre Arts.*
A. B., Calvin College; M. A. Marquette University.

WILLIAM NAWYN (1970), *Associate Professor of History.*
A. B., Calvin College; A. M., University of Michigan.

LARRY REYNOLDS (1969), *Associate Professor of Education.*
A. B., Calvin College; M. A. T., Seattle University; Ed. D., University of Northern Colorado.

LEONARD RHODA (1970), *Assistant Professor of Physical Education.*
A. B., Calvin College; A. M., Michigan State 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), *Associate Professor of Music.*
A. B., Calvin College; M. M., Eastman School of Music.

JAMES SCHAAP (1976), *Instructor of English.*
A. B., Dordt College; M. A., Arizona State University.

MICHAEL STAIR (1977), *Instructor of Theatre Arts.*
A. B., Bethel College; M. A., University of Wisconsin.

JOHN STRUYK (1969), *Associate Professor of German.*
A. B., Calvin College; A. M., University of Waterloo; Ph. D., University of Waterloo.

E. L. HEBDEN TAYLOR (1968), *Associate Professor of Sociology.*
B. A., Cambridge University; M. A., Cambridge University; L. Th., University of British Columbia.

WYTSE VAN DIJK (1971), *Associate Professor of Physics.*
B. Sc., McMaster University; Ph. D., McMaster University; (On leave of absence 1977-1978.)

JOHN VAN DYK (1966), *Professor of Philosophy.*
A. B., Calvin College; A. M., University of Michigan; Ph. D., Cornell University.

LOUIS VAN DYKE (1963), *Professor of History.*
A. B., Calvin College; M. A., University of Washington; D. A. T., University of North Dakota.

MARION VAN SOELEN (1977), *Associate Professor of Physical Education.*
B. S., University of Iowa; M. A., University of Iowa; M. A., University of South Dakota.

NICK VAN TIL (1955), *Professor of Philosophy.*
A. B., Calvin College; A. M., University of Michigan; M. A., University of Michigan.

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), *Associate Professor of Education and Psychology.*
A. B., Calvin College; M. S., Montana State University.

RICHARD VANDER BERG (1977), *Instructor of Physical Education.*
A. B., Northwestern College; M. A., South Dakota State University.

EVERT VAN DER HEIDE (1975), *Instructor of Economics.*
A. B., Calvin College; M. A., Wayne State University.

DARYL VANDER KOOI (1971), *Associate Professor of Communication.*
A. B., Calvin College; M. S., Montana State University.

JOHN C. VANDER STELT (1968), *Associate Professor of Philosophy and Theology.*
A. B., Calvin College; B. D., Free University; Th. Drs., Free University.

DELMAR VANDER ZEE (1969), *Associate Professor of Biology.*
A. B., Dordt College; M. S., Western Michigan University. (On leave of absence 1977-1978.)

CHARLES VEENSTRA (1976), *Instructor of Communication.*
A. B., Dordt College; M. A., Northern Illinois University.

ARNOLD VELDKAMP (1971), *Associate Professor of Mathematics.*
A. B., Calvin College; M. Ed., Western Washington State; M. A., University of Illinois.

KENNETH VENHUIZEN (1977), *Instructor of Sociology.*
A. B., Calvin College; M.S.W., University of Washington.

JOHN VERWOLF (1975), *Director of Student Programming and Placement.*
A. B., Calvin College; M. Ed., Seattle Pacific College.

JOHN VISSER (1976), *Instructor of Business Administration.*
B. S., University of Illinois; M. B. A., DePaul University.

GARY WARMINK (1963), *Professor of Music.*
A. B., Calvin College; A. M., Ohio State University; Ph.D., Ohio State University.

JOHN ZINKAND (1958-1965, 1969), *Professor of Classical Languages.*
A. B., Wheaton College; A. M., Johns Hopkins University; B. D., Westminster Theological Seminary; Th. M., Westminster Theological Seminary; Ph. D., Brandeis University.

TEACHING ASSISTANTS

JOANNE ALBERDA (1967), *Teaching Assistant in Art.*

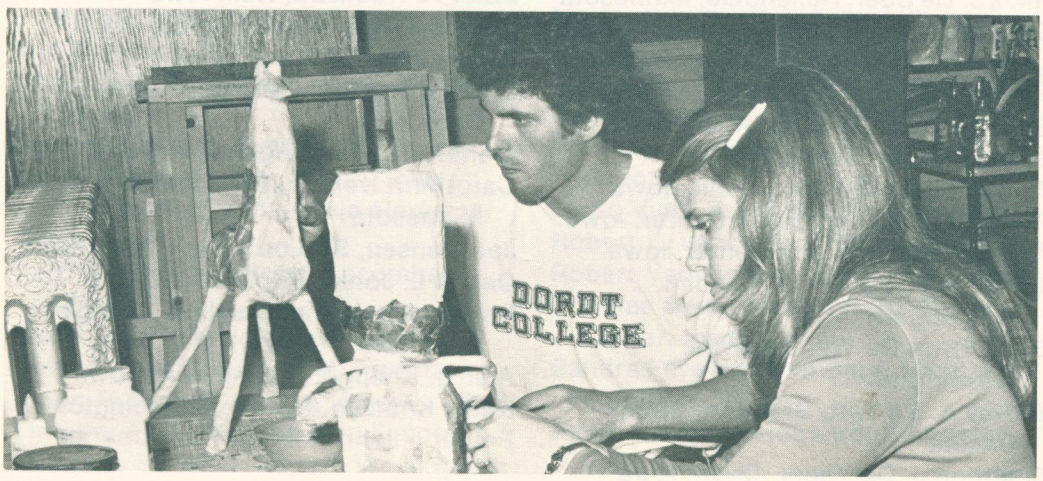
GORDON BRAND (1976), *Teaching Assistant in Biology.*

NOREEN DE HOOGD (1976), *Teaching Assistant in Business Education.*

LOIS DE JONG (1974), *Teaching Assistant in Education.*

LOUISE HULST (1968), *Teaching Assistant in Library Science.*

REBECCA WOODWARD (1973), *Teaching Assistant in Business Education.*



Degrees Granted 1977

BACHELOR OF ARTS

Botje (Bonnie) Abma, Agassiz, B.C.
Thomas R. Alger, Ontario, California
Harold Alsum, Jr., Denver, Colorado
Brent Assink, Lynden, Washington
Albert Ed Baker, Kanawha, Iowa
Larry Baker, Midland Park, New Jersey
Mark Allan Bakker, Wellsburg, Iowa
Donna Balt, Edgerton, Minnesota
Donna M. Bandstra, Palos Heights, Illinois
Thomas John Beuzekom, Sioux City, Iowa
Marcia Bleeker, Castlewood, South Dakota
Lois Jean Boersma, Raymond, Minnesota
Jeanne Boeve, Holland, Michigan
Dale A. Bovenkamp, Lynden, Washington
David R. Breems, Sanborn, Iowa
Colett Hartog Broekhuis, Edgerton, Minnesota
Daryl Broekhuis, Edgerton, Minnesota
Sharon Vande Garde Brouwer, Sioux Center, Iowa
Henry William Contant, Victoria, B.C.
Sandra Jo Cooper, Yucaipa, California
Brenda Kay De Boer, Edgerton, Minnesota
Hilda J. De Boer, Hollandale, Minnesota
Dennis O. De Groot, Lethbridge, Alberta
Laminetty de Groot, Vauxhall, Alberta
Rachel De Groot, Edgerton, Minnesota
Barbara Jean De Jong, Alton, Iowa
Joan De Jong, Matsqui, B.C.
Teresa Eileen De Jong, Pella, Iowa
Ronald De Stigter, Sioux Center, Iowa
Tim De Stigter, Sioux Center, Iowa
Margaret A. De Valois, Lynden, Washington
Ellen Flynn De Wit, Bellevue, Washington
Jeffrey A. De Witt, Brandon, South Dakota
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David A. Den Herder, Luverne, Minnesota
Merry B. Disselkoen, Saugatuck, Michigan
Daniel D. Dykstra, Hull, Iowa
Thomas R. Dykstra, Lambertville, Michigan
Darlene R. Eekhoff, Chicago, Illinois
Kevin P. Eekhoff, Goldfield, Iowa
Donald A. Elwell, Pole Tavern, New Jersey
Elizabeth Rinske Esselink, Devlin, Ontario
Craig Friesema, Racine, Wisconsin
David P. Gaiser, Worthington, Minnesota
James M. Geertsma, Sedro Woolley, Washington
Joyce F. Haasdyk, Calgary, Alberta
Corrie Hamming, Meadow Bank, Prince Edward Island
Nelly M. Hazeu, Winnipeg, Manitoba
Faith D. Helmus, Holland, Michigan
Ted Hengeveld, Jr., Orange City, Iowa
Nadine Faye Heutink, Everson, Washington
Judith M. Hibma, Harris, Iowa
Roger Hibma, Chandler, Minnesota
Arlys Hoekstra, Hull, Iowa
Peter R. Hoekstra, Hull, Iowa
Dennis J. Hop, Rock Rapids, Iowa
James Hop, Le Mars, Iowa
Christal Hubers, Pantego, North Carolina
Mark A. Hugen, Phoenix, Arizona
Carol Ann Iverson, St. Louis Park, Minnesota
Joel Jensen, St. Louis Park, Minnesota
Daniel L. Jonker, Spencer, Iowa
Norma Jane Kleinhesselink, Orange City, Iowa
Alan J. Kneppe, Parkersburg, Iowa
Kathy Knutzen, Lynden, Washington
Frederic John Koning, Port Alberni, B.C.

Donald L. Koops, Downs, Kansas
Randy Eugene Koops, Cawker City, Kansas
Allen Anthony Kosters, Orange City, Iowa
Kevin L. Kuiper, Sioux Center, Iowa
Tom Le Mahieu, Oostburg, Wisconsin
Kimberly Ann Logterman, Denver, Colorado
Evelyn Luymes, Delta, B.C.
Linda Jean Marcus, Hull, Iowa
Paul K. Meilahn, Bellmawr, New Jersey
Calvin M. Meuzelaar, Tracy, Iowa
Aileen Carol Vander Weele Meyer, Palos Heights, Illinois
Larry J. Meyer, Sioux Center, Iowa
David M. Miller, Pittsburgh, Pennsylvania
Paul Moes, Conrad, Montana
Jeffrey J. Moore, Oak Harbor, Washington
Jack Mouw, Holland, Michigan
Herbert James Muether, Stony Brook, New York
Corinne D. Mullins, Modesto, California
Phyllis Nanninga, Neerlandia, Alberta
Teresa Neal, Rockwell City, Iowa
Rebecca L. Nymeyer, Redlands, California
Patricia B. Olivier, Victoria, B.C.
John Ooms, Lethbridge, Alberta
Cheryl Otte, Sheboygan, Wisconsin
Doris Ann Peters, Sunnyside, Washington
Karl Petersen, Pella, Iowa
Deborah J. Peterson, Carson, North Dakota
Daniel W. Pluim, Orange City, Iowa
Joyce Eileen Postma, Ireton, Iowa
Ann Prins, Rocky Mountain House, Alberta
Dorothy (Doreen) Prins, Lacombe, Alberta
David Alan Ruter, Kanawha, Iowa
Daryl F. Sas, Chandler, Minnesota
Aldon R. Schaap, Ackley, Iowa
Timothy J. Schaver, Fulton, Illinois
Marna Jo Scheffer, Sumas, Washington
Melinda Jan Schnyders, Edgerton, Minnesota
Marcia Ruth Schregardus, Randolph, Wisconsin
Harvey Sinnema, Nobleford, Alberta
Susan Kay Wolters Sluiter, Holland, Michigan
Sandra Lynn Smit, Beecher, Illinois
Trudé Ann Spain, Kalispell, Montana
Craig A. Stockmeier, Phoenix, Arizona
James Sytsma, Lethbridge, Alberta
Michael G. Tinholt, Racine, Wisconsin
Joyce E. Tjarks, Wesley, Iowa
Leslie R. Top, Jasper, Minnesota
Margaret Van Dyk, Bowmanville, Ontario
Paul J. Van Dyken, Ripon, California
Everett Van Ee, Saskatoon, Saskatchewan
Keith Van Ee, Pella, Iowa
Sylvia Van Ess, Monroe, Washington
Sheryl Van Gorp, Pella, Iowa
Willis D. Van Groningen, Clinton, Mississippi
Cecil Van Niejenhuis, Edmonton, Alberta
Karen Diane Van Niejenhuis, Dollard des Ormeaux, Quebec
Robert Allen Van Riessen, Sioux Center, Iowa
Steven W. Van Sant, Sully, Iowa
Lois Van Till, Manteca, California
Jerry Van Tol, Rock Valley, Iowa
Marlys Van Zanten, Colton, South Dakota
Cheryl Van Zee, Harrison, South Dakota
Ruth A. Van Zee, Rock Valley, Iowa
Wanda J. Van Zee, Corsica, South Dakota
Linda Van't Hul, Kenneth, Minnesota
Robert L. Vande Pol, Pella, Iowa
Robert Van De Riet, Milaca, Minnesota
Douglas Dean Vanden Berg, Sioux Center, Iowa
Sandra Faye Van Den Berg, Manhattan, Montana
Alfred Vanden Boogaard, Edmonton, Alberta

Janet G. Van Den Ham, Brandon, Manitoba
Leland Vanderaa, Volga, South Dakota
Sandra K. Vander Bok, Rock Valley, Iowa
Gerald W. Vander Hoek, Monroe, Iowa
Rose Vander Plaats, Hartley, Iowa
Marlyce J. Vander Pol, Mount Vernon, Washington
Constance Marcus Vander Well, Holland, Michigan
Richard D. Veldman, Grand Rapids, Michigan
Karla Jean Vellema, Lynden, Washington
Gerald Veltkamp, Rock Valley, Iowa
Lynda Verhulst, Sheboygan, Wisconsin
Barbara Joyce Vermeer, Sioux Center, Iowa
Michael H. Vermeer, Pella, Iowa
Dennis L. Vis, Rock Valley, Iowa
Kathleen Elizabeth Vis, Lynden, Washington
William D. Vis, Orange City, Iowa
Hank F. Vlaardingerbroek, Wyckoff, New Jersey
Galen N. Vonk, Rock Valley, Iowa
Keith J. Voss, Scottsdale, Arizona
Susan Walhof, Edgerton, Minnesota
Edward Wierenga, Caledonia, Michigan
Paul Allen Wiersma, Orange City, Iowa
Sandra Ellen De Boer Woudstra, Littleton, Colorado
Wytze Bylsma Woudstra, St. Thomas, Ontario
Beverly Joy Zylstra, Kellogg, Iowa

ASSOCIATE OF ARTS

Pamela Joy Boer, Boyden, Iowa
Brenda Sue De Jong, Hull, Iowa
Kathleen Joy Dyk, Manhattan, Montana
Mary Beth Felten, Sheboygan, Wisconsin
Rachel Ann Koele, Sioux Center, Iowa
Kathleen J. Kramer, Racine, Wisconsin
Rachel Ann Kreykes, Sheldon, Iowa
Paula Mae Mellema, Edina, Minnesota
Faye JoAnn Meyer, Volga, South Dakota
Mary Lynn Schurman, De Motte, Indiana
Carla Jacqueline Wissink, Modesto, California

ENROLLMENT

1976-1977

	Men	Women	Total
Freshmen	154	227	381
Sophomores	108	147	255
Juniors	85	106	191
Seniors	83	78	161
Special	2	11	13
TOTAL	432	569	1001

Geographical Distribution

Arizona	10
California	50
Colorado	33
Connecticut	1
Florida	8
Idaho	2
Illinois	32
Indiana	17
Iowa	288
Kansas	7
Massachusetts	3
Michigan	46
Minnesota	87
Mississippi	6
Missouri	3
Montana	14
Nebraska	9
New Jersey	11
New Mexico	4
New York	5
North Carolina	2
North Dakota	5
Oregon	4
Pennsylvania	9
South Dakota	39
Tennessee	1
Utah	1
Virginia	1
Washington	59
Wisconsin	47
Alberta	67
British Columbia	60
Manitoba	13
Ontario	50
Prince Edward Island	1
Quebec	1
Saskatchewan	2
Honduras	2
Japan	1
TOTAL	1001

The Academic Calendar

1977-1978	Day	Activity
Aug. 31	Wednesday	Orientation-Registration
Aug. 31	Wednesday	Convocation—7:00 p.m.
Sept. 1	Thursday	Classes Begin—7:35 a.m.
Oct. 6-7	Thur.-Fri.	Tri-State Institute—No Classes
Nov. 23	Wednesday	Thanksgiving Recess—12:10
Nov. 29	Tuesday	Classes Resume—7:35 a.m.
Dec. 16	Friday	Review Day
Dec. 17	Saturday	Testing (a.m.)
Dec. 19	Monday	Testing (p.m.)
Dec. 20	Tuesday	Testing (a.m. and p.m.)
Dec. 21	Wednesday	Testing (a.m. and p.m.)
Jan. 18	Wednesday	Second Semester Begins—7:35 a.m.
March 23	Thursday	Spring Vacation—12:10 p.m.
April 4	Tuesday	Classes Resume—7:35 a.m.
May 8	Monday	Review Day
May 9-11	Tues.-Thur.	Testing (a.m. and p.m.)
May 12	Friday	Commencement—10:00 a.m.

ALL CORRESPONDENCE SHOULD BE MAILED TO
DORDT COLLEGE, SIOUX CENTER, IOWA 51250
AREA CODE 712 722-3771

Requests for specific information should be addressed as follows:

General policies and interests of the college ..... THE PRESIDENT, Ext. 150

Academic matters; curriculum and instruction ..... THE VICE PRESIDENT FOR ACADEMIC AFFAIRS, Ext. 144

Student affairs; personal welfare and health of students ..... THE DEAN OF STUDENTS, Ext. 123

Transcripts of credits; grade points ..... THE REGISTRAR, Ext. 119

Admissions; bulletins; application forms ..... THE DIRECTOR OF ADMISSIONS, EXT. 140

Payments of accounts; general business matters ..... THE BUSINESS MANAGER, Ext. 132

Financial assistance ..... THE DIRECTOR OF FINANCIAL AID, Ext. 140

Publicity; gifts; annuities ..... THE DIRECTOR OF DEVELOPMENT, Ext. 145

Student advising and career placement ..... THE DIRECTOR OF STUDENT PROGRAMMING AND PLACEMENT, Ext. 254

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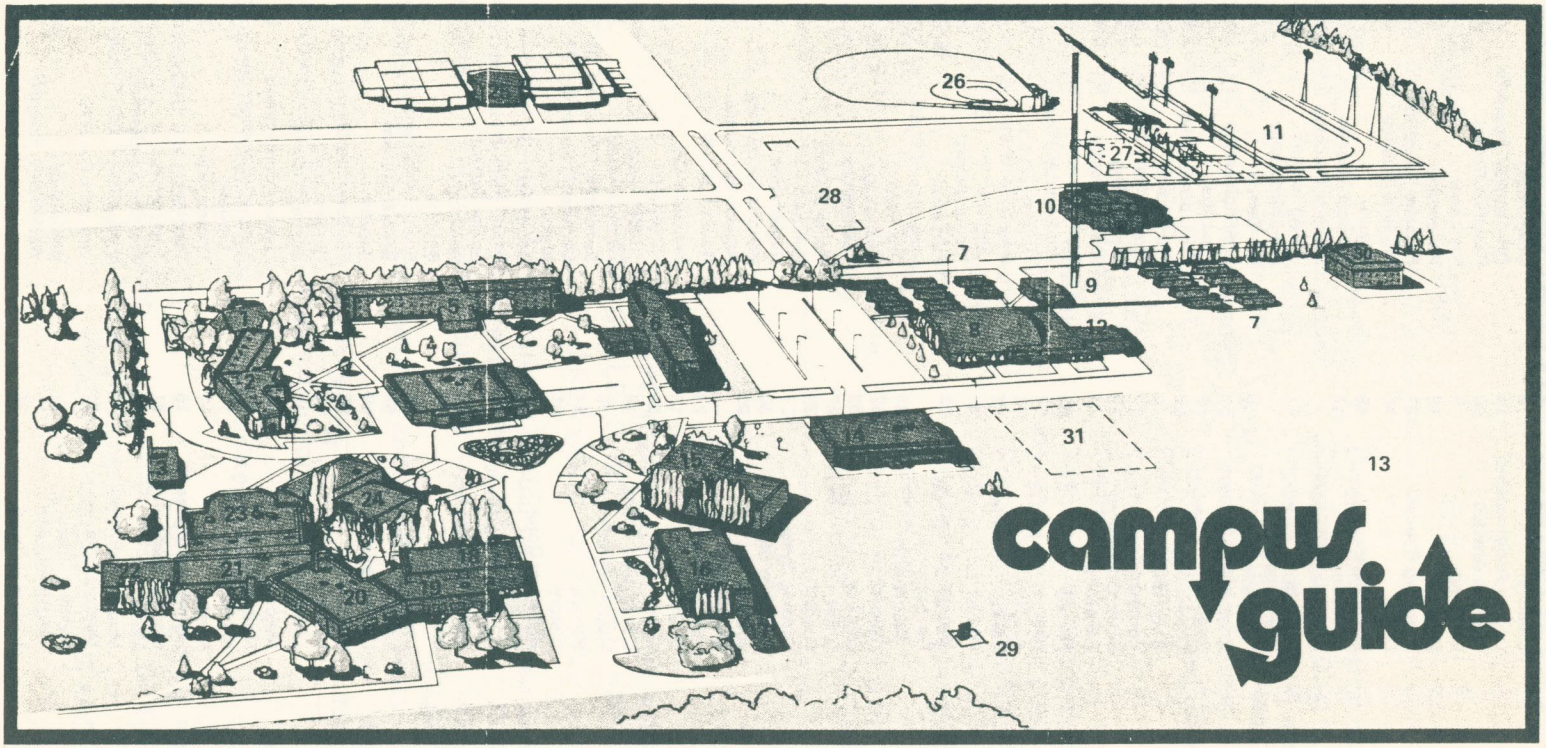

1. President's Home
2. West Hall — 160 students
3. Central Heating Plant
4. Commons (Dining Hall)
5. North Hall — 200 students
6. East Hall — 200 students
7. Student Housing — mobile homes
8. Physical Education Building (Gymnasium)
9. Radio Communications Center (Station KDCR)
10. Municipal Indoor Swimming Pool
11. Municipal Stadium
12. Campus Maintenance Center
13. Intramural Athletic Field
14. Student Union
15. Library
16. Science Building
17. Campus Greenhouse
18. Classroom Building Auditorium (Room 106)
19. Business Office
20. Classroom Building A (Rooms 107 — 118)
21. Classroom Building B (Rooms 120 — 125)
22. Faculty Office Complex
23. Classroom Building C (Rooms 155 — 217)
24. Music — Academic Administration Building
25. Te Paske Community Theatre
26. Municipal Baseball Field
27. Tennis Courts
28. Practice Field (Band and Soccer)
29. Environmental Observation Station
30. East Campus Apartments
31. Proposed Chapel — Music Center

DORDT COLLEGE

SIOUX CENTER, IOWA