

CONCORDIA
UNIVERSITY
NEBRASKA

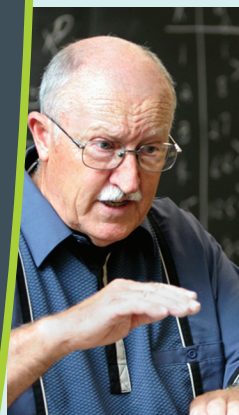
2009–2010
Undergraduate Catalog

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COVER TO ENTER



CONTENTS

General Information

Academic Year Calendars

2009-2010

2010-2011

About Concordia University, Nebraska

Admission Information

Student Life Information

Financial Information

Academic Information

Administration & Faculty

Campus Map

Programs of Study

General Education Component

Bachelor of Science in Education Programs

Elementary

Middle Level

Secondary

Liberal Arts Programs

Bachelor of Arts Programs

Degree Completion Programs

Bachelor of Science Programs

Biology

Business

Chemistry

Computer Science

Health and Human Performance

Mathematics

Physical Science

Director of Christian Education

Bachelor of Music Programs

Bachelor of Fine Arts Program

Certificate in Contemporary Church Music

Pre-Seminary Pastoral

Pre-Deaconess

Gerontology

Pre-Professional Study

[CLICK HERE TO LEARN
HOW TO USE THIS
ELECTRONIC CATALOG](#)

Course Descriptions

Art

Biology

Business

Chemistry

Communications &
Theatre Arts

Computer Science

Economics

Education

Educational Psychology

English

English, Communication,
Theatre Arts

Environmental Science

Financial Literacy

First Year Seminar

General Studies

Geography

Gerontology

Greek

Health & Human

Performance

Hebrew

History

Latin

Mathematics

Music

Organizational Management*

Philosophy

Physics

Political Science

Psychology

Religion

ROTC

Science

Service Learning

Social Work

Sociology

Spanish

Theology


*DCP program only

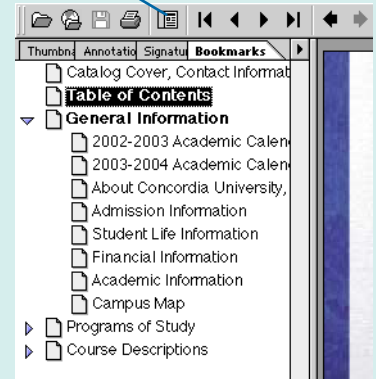
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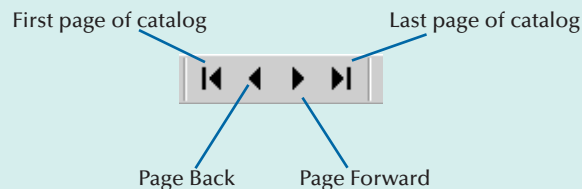


Table of Contents Page



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TABLE of CONTENTS

2009-2010 Academic Calendar.....	iv
2010-2011 Academic Calendar.....	v
About Concordia University.....	1
Admission Information.....	2
Freshman Applicants.....	2
Recommended High School Program.....	2
Transfer Applicants.....	2
Transferring Credit.....	3
Applicants for Degree Completion Program (DCP).....	3
To Re-Enroll.....	3
International Student Applicants.....	3
Student Classification.....	4
Student Life Information.....	4
Student Community Life.....	4
Worship and Spiritual Life.....	4
Housing.....	4
Vehicles.....	4
Activities.....	4
Student Government.....	5
Student Services.....	5
Services and Counseling.....	5
Health Services.....	5
Academic Advising.....	5
Academic Resource Center (ACR).....	5
International Education.....	5
Synodical Placement and Career Services.....	5
Financial Information.....	6
Tuition and Fees.....	6
Tuition.....	6
Technology Fee.....	6
Room and Board Plan.....	6
Special Fees.....	6
Course Fees.....	6-7
Fee Payment Policy.....	7
Return/Refund Policy.....	7
Financial Aid.....	8
Concordia Financial Aid Programs.....	8
Types of Financial Aid.....	8
Academic Information.....	9
General Academic Standards.....	9
Academic Ethics.....	9
Curriculum Changes.....	9
Attendance.....	9
Academic Honors.....	9
Participation in Graduation Exercises.....	9
Registration for Courses.....	9
Special Course Options.....	10
Individualized Study.....	10
Correspondence and Extension Courses.....	10
Advanced Placement/Credit by Examination.....	10
International Baccalaureate.....	10
Audit of Courses.....	10
Tutorial Assistance.....	10
International Study or Service Abroad Opportunities.....	10-11
E-Mail Communication.....	11

Degrees, Diplomas and Certificates Offered	11
Bachelor Degrees.....	11
Teacher Education Programs	11
Lutheran Teacher Diploma	11
Teaching Ministry Colloquy Program	11
Teacher Certification	12
Non-Degree Certification and Endorsement Programs	12
Director of Christian Education Program	12
Director of Parish Music Program	12
Gerontology Program.....	12
Grading System.....	13
Definition of Grades	13
Incompletes	13
Withdrawals	13
Repeats.....	13
Failures	13
Pass/No Record and Pass/Fail	13
Records Policies.....	14
Privacy of Record	14
Transcripts	14
Transferring Credit	14
Programs of Study	15
The General Education Component of All Programs	15
Bachelor of Science in Education Programs	16
General Policies	16
The Lutheran Teacher Diploma.....	16
Teacher Education Admission and Retention Procedures	17
Elementary Education Program	19
Elementary School Subject Concentration	20
Other Elementary Endorsements	21
Middle Level Education Program	23
Middle Level Content Teaching Areas	24
Secondary Education Program	25
Secondary Field Endorsements	26
Comprehensive Subject Majors.....	27
Secondary Subject Endorsements	28
Supplemental Secondary Endorsements.....	30
Elementary and Secondary Dual Certification.....	30
Liberal Arts Programs	31
Bachelor of Arts Majors.....	31
Bachelor of Science Majors.....	31
Bachelor of Arts Programs.....	32
Majors	32-35
Minors (All minors are available to all students.).....	35-37
Degree Completion Program.....	38
Bachelor of Science Programs	39
Biology Program.....	39
Business Program	41
Chemistry Program	45
Computer Science Program	46
Health and Human Performance Program	47
Mathematics Program.....	47-48
Actuarial Science Minor	49
Physical Science Program.....	49
Director of Christian Education Program	51

Admission into Program	51
Approval for DCE Internship	51
DCE Program Curriculum Options	52
Bachelor of Music Programs	55
Parish Music	55
Music Education	56
Bachelor of Fine Arts Program	57
Studio Art	57
Art Education	57
Graphic Design	57
Certificate in Contemporary Church Music	58
Pre-Seminary Program	59
Pre-Deaconess Program	60
Gerontology Program	61
Pre-Professional Study	61-65
ROTC – Reserve Officers Training Corps – Army and Air Force	65
Course Descriptions	66
Art	66
Biology	69
Business	72
Chemistry	74
Communication and Theatre Arts	75
Computer Science	78
Economics	79
Education	79
Educational Psychology	83
English	83
English, Communication, Theatre Arts	85
Environmental Science	85
Financial Literacy	86
First Year Seminar	86
General Studies	86
Geography	86
Gerontology	87
Greek	89
Health and Human Performance	89
Hebrew	95
History	95
Latin	96
Mathematics	96
Music	98
Organizational Management*	102
Philosophy	103
Physics	103
Political Science	104
Psychology	104
Religion	106
ROTC	106
Science	107
Service Learning	108
Social Work	108
Sociology	108
Spanish	109
Theology	110
Administration and Faculty	112
University Administration	112
Synodical Administration	114
Faculty	115
Faculty Emeriti	120

2009-2010 Academic Calendar

Fall term 2009

Monday, August 24, 2009
Monday, August 31

begin fall term
Census date (end of free drop/add), Noon
Tuition and Fee payment deadline

Friday, September 25
Tuesday, September 29
Tuesday, October 13
Wednesday, October 14

Deadline for application for December graduation
Deadline for requests for withdrawal, P/NR for 1st qtr courses
1st quarter ends
2nd quarter begins
Deadline for removal of incomplete grades from spring and summer terms

Fri-Sun, October 16-18
Tuesday, November 10
Thursday, November 12
Tuesday, November 17
Tuesday, December 1
Thursday, December 10
Friday, November 20

Fall break
Registration begins for students with Senior standing
Registration begins for students with Junior standing
Registration begins for students with Sophomore standing
Registration begins for students with Freshman standing
Begin registration for non-current students
Deadline for requests for withdrawal, P/NR for full-semester and 2nd qtr courses

Sat-Sun, November 21-29
Friday, December 4
Friday, December 11
Mon-Thu, December 14-17
Thursday, December 17

Thanksgiving recess
Independent study applications for spring term due to Provost
Fall courses end
Final exams
End of fall term

Spring term 2010

Monday, January 11, 2009
Monday, January 18

Begin spring term
Census date (end of free drop/add), Noon
Tuition and Fee payment deadline

Friday, February 12
Tuesday, February 16
Tuesday, March 2
Wednesday, March 3

Deadline for application for May or summer graduation
Deadline for requests for withdrawal, P/NR for 3rd qtr courses
3rd quarter ends
4th quarter begins

Sat-Mon, March 13-21
Tuesday, March 23
Thursday, March 25
Tuesday, March 30
Fri-Mon, April 2-5
Thursday, April 8
Friday, April 16

Deadline for removal of incomplete grades from fall term
Spring recess
Registration begins for students with Senior standing
Registration begins for students with Junior standing
Registration begins for students with Sophomore standing
Easter break
Registration begins for students with Freshman standing
Deadline for requests for withdrawal, P/NR for full-semester and 4th qtr courses

Tuesday, April 20
Friday, April 23
Friday, April 30
Mon-Thu, May 3-6
Thursday, May 6
Saturday, May 8

Begin registration for non-current students
Independent study applications for fall term due to Provost
Spring courses end
Final exams
End of spring term
Commencement

Summer term 2010

Monday, May 10
Monday, May 31
Monday, July 5
Friday, July 30

Begin Summer term
Memorial Day, No classes
Independence Day, No classes
End Summer term

2010-2011 Academic Calendar

Fall Semester, 2010-2011

Monday, August 23, 2010Classes begin
Tuesday, October 12 First Quarter Ends
Wednesday, October 13..... Second Quarter Begins
Friday, October 15 Fall Break
Saturday-Sunday, November 20-28 Thanksgiving
Friday, December 10 Classes end
Monday-Thursday, December 13-16 Finals

Spring Semester, 2010-2011

Monday, January 10, 2011Classes begin
Tuesday, March 1 First Quarter Ends
Wednesday, March 2..... Second Quarter Begins
Saturday-Monday, March 5-13Spring Recess
Friday-Monday, April 22-25..... Easter Break
Friday, April 29Classes end
Monday-Thursday, May 2-5 Finals
Saturday, May 7Commencement

ABOUT CONCORDIA UNIVERSITY

CHARACTER

Concordia University opened its doors on Nov. 18, 1894, with one professor, a dozen male students and a three-year high school curriculum. Concordia has since grown into a fully accredited, coeducational university which has granted degrees to more than 20,000 students. Concordia, Nebraska is one of 10 institutions belonging to The Lutheran Church—Missouri Synod's Concordia University System.

STATEMENT OF MISSION AND COMMITMENTS

Concordia University, owned and operated by The Lutheran Church—Missouri Synod, is a coeducational institution of higher learning committed to the Christian growth of its students. Concordia is a Christ-centered learning community for students preparing to be dynamic servant leaders in the church and world.

This goal is accomplished through degree programs in professional education and the liberal arts. In addition, Concordia's faculty, staff and students are committed to service to the church and community and to scholarly activity and research. These programs and activities are set forth in an explicit value system that has as its core faith in Jesus Christ as the Son of God and only Savior of the world, commitment to the Holy Scriptures as the communicator of that faith and commitment to the Lutheran Confessions as a true exposition of the Scriptures.

Concordia's programs promote intellectual, emotional, physical and spiritual growth. They nurture religious commitment, enlarge social and cultural understanding, provide insights for Christian action in the world and facilitate the ability to communicate effectively. The programs provide an opportunity for intelligent selection of vocations for service to God, church and society, and they are designed to develop the professional competencies and commitment required for responsible participation and leadership in a complex and diverse society.

SETTING

Concordia's campus covers nearly 120 acres and features more than 25 academic and service buildings. Because Concordia draws the majority of its students from outside Nebraska, residence hall living and student activities play prominent roles in shaping students' total educational experience. Concordia has 11 residence halls, a student center, athletic fields for intercollegiate and intramural sports and an abundance of open space for informal recreational activities. During the 1999-2000 academic year the 65,000-square-foot Thom Leadership Education Center was placed into service and was dedicated in the fall of 2000. The Osten Observatory was added to campus in 2002. During the spring of 2006, a new apartment-style residence hall was constructed and a Sprinturf synthetic playing surface was installed in the stadium. During 2008-2009 Concordia added a new Health, Human Performance and Athletic Center, a facility that will have a positive impact on thousands of students, faculty and other constituents every year for generations to come. When completed it will be among the finest facilities of its kind for colleges within the NAIA and for any university of Concordia's size.

Seward is an ideal home for Concordia University. The town's 6,400 people welcome students into their community, and many local businesses provide jobs for students. The campus is within walking distance of downtown shops, eating establishments and a movie theater. St. John Lutheran Church, just across the street from campus, serves as a home church for many faculty and students. St. John Lutheran School and the Seward Public Schools serve as prime cooperating schools for Concordia's teacher education students. Seward is just six miles from Interstate 80 and 24 miles west of Lincoln, the state capital and home of the University of Nebraska's main campus. A trip to Omaha takes roughly 75 minutes.

In August of 2008, Concordia extended its mission by committing to offering graduate, degree completion, and training opportunities in Fallbrook, an area of Lincoln located near the I-80 and HWY 30 interchange.

ACCREDITATION

Concordia University, Nebraska is accredited by The Higher Learning Commission, a Commission of the North Central Association of Colleges and Schools (www.ncahigherlearningcommission.org; 312-263-0456). Concordia is approved by the Nebraska State Board of Education through the Committee of Educational Examiners of the Nebraska Council on Teacher Education for the preparation of elementary, secondary, early childhood and special education teachers. The teacher education programs are accredited by the National Council for the Accreditation of Teacher Education. The music programs are accredited by the National Association of Schools of Music. The business program is accredited by the International Assembly for Collegiate Business Education.

The majority of Concordia's programs are approved by the Nebraska State Department of Education for veterans and other persons eligible for VA benefits.

INSTITUTIONAL NAME CHANGES

Concordia Teachers College was the institution's name from 1924 to 1974 when the name was changed to Concordia College. On July 1, 1998, the institution became Concordia University.

ADMISSION INFORMATION

STATEMENT OF NON-DISCRIMINATION

As a matter of policy, Concordia University admits students of any age, race, color and ethnic origin. Admitted students enjoy the rights, privileges, programs and activities generally offered to all Concordia students.

Further, Concordia University does not discriminate according to age, race, color, sex and national and ethnic origin in administering admissions and educational policies, scholarship and loan programs, and athletic and other school-administered programs.

The university does not discriminate against handicapped persons regarding student admission or worker employment, and provides university activities and programs to all who qualify.

These guidelines do not limit Concordia's admission policies. The university may give preference to applicants in one of the following categories:

- a. An applicant from any member congregation of The Lutheran Church—Missouri Synod or an applicant who is a child of a person from a synodical congregation or,
- b. An applicant from a congregation of a Lutheran church body other than the Missouri Synod or an applicant who is a child of a person from a congregation of a Lutheran church body other than the Missouri Synod.

FRESHMAN APPLICANTS

Freshman class applicants may begin sending materials during the second semester of their junior year of high school. A transcript with a record of grades through the junior year is required for acceptance. Since the university uses a rolling admission process, students are encouraged to submit an application as soon as possible, along with the application fee, transcript and ACT or SAT scores.

Applicants admitted for each term are required to submit the non-refundable confirmation deposit of \$300 within 30 days of their acceptance. Requests for extensions should be addressed to the director of admission. The confirmation deposit will hold space in a residence hall, and will entitle the student to preferential registration for courses by a freshman advisor.

Other requirements include submitting a health form and a declaration of intent for those students entering full-time church professions.

To be admitted as a freshman student, the applicants should be graduates of accredited high schools and demonstrate good moral character, social adjustment and emotional stability. Normally they should have at least average or better grades, rank in the upper half of their class, and have average or better test scores. A high school transcript must be submitted.

Applicants who do not meet the minimum entrance requirements may be asked to submit additional material for evaluation by Concordia officials.

Concordia is a member in good standing of the National Association of College Admission Counselors and subscribes to its Statement of Principles of Good Practice for High School and College Admissions Counselors.

RECOMMENDED HIGH SCHOOL PROGRAM

Requirements for admission are graduation or its equivalent with 16 units or 160 semester hours. Even though no definite courses are required, students are encouraged to plan a comprehensive college preparatory program in high school which includes the following:

- English, four years
- Mathematics, three years
- Social Studies, three years
- Science (biology, chemistry, and physics)
- Art
- Music
- Physical Education
- Foreign Language (Two years study in one language)

TRANSFER APPLICANTS

Applicants transferring from another college or university should request a transcript of course work completed. Admission decisions will be made only when transcripts have been received for all course work. A high school transcript, financial aid transcript, official academic transcripts of all colleges or universities previously attended, and a health form must be submitted.

Applicants normally must have a cumulative college grade point average of C (2.00) and a statement of good standing. Higher grade point averages may be necessary where program admission requirements warrant it. After matriculation only those grades in course work attempted at Concordia in Seward are used to compute the cumulative grade point average.

Transfer students who have applied at the university and wish to have a free transcript evaluation done of courses taken at another institution to determine the transferability of credit should submit a copy of their transcript(s) to their admission counselor. This evaluation will be done by the office of the registrar.

After admission to Concordia, transfer students in teacher education, pre-seminary, and director of Christian education programs must make application for admission to the appropriate program before registering for classes during their second semester at Concordia.

TRANSFERRING CREDIT

Concordia will ordinarily accept successfully completed credit from regionally accredited two-year and four-year institutions which parallels a course requirement in the student's educational program at Concordia subject to the provisions below.

Educational experience gained by a student while in the military service is evaluated according to the recommendation of the American Council on Education. Veterans are required to present verified records covering their military service and educational experience for evaluation if they wish to receive credit for them.

Under no circumstances will a student be allowed to apply more than 70 hours of credit from a two-year college toward completion of a four-year program of studies.

Students who seek a bachelor's degree must take a minimum of 30 semester hours in residence, at least 15 of which must be in their major. For students in an education program this must include at least one semester of professional education coursework and their student teaching and methods courses.

Students seeking a bachelor's degree must complete at least half of the course work in their major at a four-year institution which would be designated by the institution as 'upper level' or be the equivalent of required courses on this campus.

Students who wish to obtain their bachelor's degree from Concordia but who opt to complete their program on another campus must receive prior approval of all courses to be considered as part of their program for meeting Concordia graduation requirements.

APPLICANTS FOR DEGREE COMPLETION PROGRAM (DCP)

The degree completion program is designed for working adult students. Applicants to the program need to have completed 64 semester hours with a grade point average of 2.00 or better; be at least 25 years of age and currently employed; and have had three or more years of significant work experience. Applicants who do not completely meet all requirements can request special consideration by the admissions committee.

Applicants may request to have their transcripts evaluated, at no charge, prior to their admission to the program in order to determine what, if any, deficiencies exist in the general education component of their program. Complete details are available in the degree completion program office.

Applicants to this program should apply directly to the degree completion program office. Applications and information can be obtained by calling that office at 402-643-6520 or 800-535-5494.

TO RE-ENROLL

Former students of Concordia who wish to re-enroll should contact the admission office.

INTERNATIONAL STUDENTS

Realizing the importance of intercultural understanding in educating students for their place in the world and future, Concordia welcomes applicants from all over the world. International student enrollment includes students from several countries. The international student contributes valuable insights and experiences in the classrooms, on campus, and within the total Concordia community.

International student applicants

An international student is one who is a citizen of a country other than the United States of America and who requires an F-1 visa status to engage in academic studies in the United States. All international admission is handled by the Concordia University Office of Admission.

To meet admission requirements, the international student must:

- Complete the application forms and pay the required fees.
- Be proficient in the English language as measured by TOEFL (Test of English as a Foreign Language). A TOEFL IBT test score of 79 or above is required for admission. Information on taking the TOEFL test is available at US Embassy or Consulate offices or online at www.ets.org/toefl. Request the TOEFL test scores be mailed to Concordia University, Nebraska - code number 6116.
- Have a high school grade point average indicating that the student has performed academically above average as shown on a transcript. One transcript in the native language and one in English must be provided. Each transcript must show the school seal or stamp, school address, and signature of a ranking official.
- Take the ACT or SAT College Entrance Exam and have scores sent. Please visit www.ACT.org or www.collegeboard.com to find a nearby testing site.
- Meet the requirements for the I-20 form and F-1 student visa status.

Additional admission information is at <http://www.cune.edu/394/>.

Being an international student at Concordia

Opportunities abound for foreign students at Concordia University as they are able to join with students who come from across the United States and many other countries to learn with each other and from each other. Once enrolled, international students will maintain contact with the Office of International Education.

STUDENT CLASSIFICATION

Full-Time Students

A regular full-time student at Concordia University is one who has satisfied the entrance requirements, has been admitted to the university, and carries at least 12 semester hours of undergraduate credit per semester or at least six hours of graduate credit per semester. The student is eligible to participate in the total activity program of the university and to officially represent the institution. Undergraduate students are classified academically according to the amount of college credit earned:

- Freshman: below 28 semester hours,
- Sophomore: at least 28 but less than 58 semester hours,
- Junior: at least 58 but less than 90 semester hours, and
- Senior: 90 or more semester hours.

Graduate students are not classified in this way.

Part-Time Students

A part-time student is one who has satisfied the requirements for admission to the university and enrolls in fewer than 12 semester hours of undergraduate credit or fewer than six semester hours of graduate credit per semester.

STUDENT LIFE INFORMATION

STUDENT COMMUNITY LIFE

Beyond books and classrooms, the Concordia University experience expands through learning and growth in residence halls, in campus activities and elsewhere within the university setting. Opportunities for personal growth and maturing abound within Concordia's Christian environment.

Students work and play as they relate to each other, striving to live in harmony through mutual understanding and respect.

Also, students admitted to Concordia are considered as having accepting the Christian educational philosophy outlined in the [Student Handbook](#).

To improve students' educational experiences, Concordia University responsibly maintains Christian standards of conduct among its students.

As a private institution, the university reserves the right to withhold or to suspend the enrollment of any student.

WORSHIP AND SPIRITUAL LIFE

The spiritual life activity at Concordia, Nebraska is centered on word and sacrament ministry in the form of worship and Bible study. Daily chapel services are the foundation of Concordia's worship life with weekly Holy Communion, contemporary and traditional services, and student, faculty, and staff involvement.

Students have many other opportunities to nurture their faith, including student-led evening prayer, evening praise services, home and residence hall Bible studies. Many student groups and athletic teams have devotions and prayer events for their members. Students who want to learn more about Lutheranism are invited to attend the 'Introduction to Lutheranism' course taught each semester by the University Chaplain.

HOUSING

An important part of the growing process happens outside the classrooms in the residence halls. Through the residence experience, students come to insights about themselves and learn respect and consideration for others as well as the value of close friendships. All full-time students, except married students, those pursuing graduate and advanced studies, those living with parents and those single students who are older, are required to room at the university.

VEHICLES

Students who bring automobiles and motorcycles to campus have parking facilities available for their use. All students are required to register their vehicles. There is no charge for registering a vehicle.

ACTIVITIES

A wide range of activities is available to students. The social activity program, under the direction of the student activities committee, provides a variety of activities throughout the school year.

A large number of campus organizations give students opportunities to develop their talents and abilities to offer service to others. These activities help students "live out" many of the values expressed in formal classroom instruction. Christian education seeks to provide flexible variation.

Student publications, lyceum programs and campus organization activities provide opportunities for students to examine their own values and to interact with others in a framework of Christian living.

Concordia also offers athletic competition in 20 intercollegiate sports. In addition, intramural activities are offered to all students.

STUDENT GOVERNMENT

Student government is considered a vital program of the educational community. Through Student Senate, students are able to express opinions, voice objections and make positive recommendations about their educational community. Responsibilities for various phases of campus life rest with the branches of student government.

STUDENT SERVICES

SERVICES AND COUNSELING

The student life office and the student activities office promote students' personal and interpersonal development according to university guidelines.

General personal counseling is available from both the counseling office and the chaplain's office. A full range of referral services is available through these offices.

Career planning services are available from the director of placement and career planning. Assistance in career choices and alternatives as well as job-seeking techniques are provided.

HEALTH SERVICES

Student health services are available in the health center. A registered nurse is on duty Monday through Friday. The local community has a well-equipped and fully staffed medical clinic and hospital with emergency facilities within walking distance of the campus.

ACADEMIC ADVISING

Upon admission each student is assigned an academic advisor. Freshmen students are assigned an advisor who will assist them with registrations and monitor their progress. During the second semester freshmen will select an advisor in their program or academic major.

Students are ultimately responsible for following academic policies and procedures, meeting deadlines, monitoring their progress for meeting degree requirements and knowing and completing all the requirements of the program in which they are enrolled.

ACADEMIC RESOURCE CENTER

As a means of maximizing the learning and achievement of all students, Concordia University provides academic support in a number of ways.

Located in Link Library, the Academic Resource Center (ARC) provides tutoring in the form of individual and group study sessions for particular courses. Tutoring and materials are also provided for all sections of the PPST exam. The tutor sessions are on a drop-in basis on Monday-Thursday and Sunday. Please check the ARC website for class listings and hours. In addition, individual sessions to explore strategies for time management, study skills, note taking, test taking, and composition are available. These services are available to all Concordia students at no charge. All students are encouraged to explore new learning strategies which will enhance their education.

Weekly meetings with students are offered to conditionally admitted students or students on academic probation. This lends support to those students who need extra help.

If you are a student with a documented disability or think you may have a disability please visit the ARC. The ADA director will discuss with you reasonable accommodations and provide individual consultations.

INTERNATIONAL EDUCATION

Office of International Education works with all international students, ensuring that government requirements are met, academic studies progress smoothly, and that every student is acclimated to the community and culture of Concordia, Nebraska and the United States. For contact information and other resources available for international students, please visit <http://www.cune.edu/392> for the office of international education. Students are also encouraged to stop by the office for more information.

The Office of International Education also serves as a reference center providing all students with advice and information on study abroad programs offered through Concordia, other universities and countries.

SYNOCDICAL PLACEMENT AND CAREER SERVICES

Placement and career planning assistance is an integral part of services offered to all Concordia University students. Synodical church work candidates are assisted with opportunities for placement into the ministries of the church. These ministries can be anywhere in the United States and several foreign countries. The designated call process is used for all Synodical calls.

Public education and liberal arts students are assisted with the development of credential files or portfolios, information on job search and interview skills, as well as developing resumes and searching the web for employment opportunities. Career fairs and employment opportunities are posted. Counseling services are available for those students who are undecided about their career choice. Students seeking credit for an internship experience should inquire about the process and opportunities at the placement and career service office.

FINANCIAL INFORMATION

Concordia University strives to keep its charges reasonable while maintaining proper educational standards and providing for a student's daily needs. Since costs of operation can change quickly, fees and charges are subject to adjustments. Application for admission or readmission signifies acceptance and agreement with fees and policies stated in this catalog.

TUITION AND FEES

Tuition—Undergraduate:

Full-time students (12-18 semester hours)	
Tuition per semester	\$10,550
Overload (beyond 18 semester hours) - per credit hour	655
DCE Internship Comprehensive Fee - per academic year.....	4,120
Part-time students	
Any hours less than 12 credit hours - per credit	\$655

Technology Fee:

Full time undergraduate students - per semester	\$75
Part time undergraduate students - per semester	55

Room and Board Plan:

Full plan: Unlimited meal plan, Dorm residence - per semester	\$2,760
Other plans are available based on meal plan and residence choices	

Special Fees

DEPOSITS

Confirmation of Registration	100
Residence Hall Reservation Deposit.....	200
Jonathan Hall (Apartments) Deposit	300
International Student Tuition Deposit.....	300

FEES

Late Payment of Fees	250
University Yearbook (part-time students only, taxable item)	60
Credit by Exam - per credit hour, see below	45
Transcripts, each copy	no charge
Same-day handling, including FAX of transcripts	20
Overnight delivery of transcripts	same-day handling fee plus delivery charges
Consortium Fee - UN-L	130
Study Abroad Fee.....	100
Audit Fee – per credit hour (see section on Audit of Courses for exceptions).....	165
Parking sticker (replacement or more than one).....	10
Independent study fee – above tuition per credit hour	110

Required Courses Fees:

Art-101	\$45
Art-145.....	160
Art-190.....	75
Art-205.....	60
Art-210, 214, 215	65
Art-235.....	130
Art-241	90
Art-243.....	110
Art 244	100
Art-280.....	55
Art-303.....	75
Art-315, 316	65
Art-320.....	90
Art-330.....	90
Art-335.....	130
Art-341	90

Art-345, 346	110
Art-351, 352	105
Art-353	75
Art-365	75
Art-403	75
Art-407	95
Art-451, 452	105
Art-489	80
Applied Music (per credit hour)	145
Bio-450	50
Bio-451	50
Bus-366	25
Educ-329	120
Geog-281 and SCI-281	110
HHP 100	15
HHP 147	85
HHP 157	15
HHP 158	30
HHP 182	15

Other courses may also require a special fee, in addition to tuition.

Fees for Credit by Examination

There are three types of Credit by Examination: Campus-Based Credit, College Level Exam Program (CLEP), and Advanced Placement (AP). Contact the registrar for courses eligible for credit by examination and procedures, including required test score levels. Fees are assessed on a per credit hour basis for campus-based credit. Fees for credit by examination are due upon notification of successful completion. There is no fee for AP or CLEP.

FEE PAYMENT POLICY

All students are to pay their balance due by census date (Monday of the second week of each semester). The balance due is defined as total charges, less all financial aid that has been confirmed by the office of financial aid.

Students may pay the balance due either in one payment for the semester, or use the monthly installment payment plan available by early application. There is an additional fee for the use of the installment payment plan. For information about the program go to www.tuitionpay.com/cune.

Students who do not pay their balance due or make acceptable arrangements by the due date will be charged a late payment fee. Students who do not pay their balance due or make acceptable arrangements by the end of the fifth week of class may be dismissed for failure to meet their financial obligations. Fees are to be paid in United States currency.

RETURN/REFUND POLICY

Refund Policy for all Students

The percent of refund is determined by the day the student submits completed forms to the registrar.

Fall and Spring Semesters

First week of class	100%
During second week of class	75%
During third week of class	50%
During fourth week of class	25%
Beyond fourth week of class	0%

Summer Sessions

Before noon the third day of classes	100%
Beyond noon of the third day of classes	0%

Room and board fees are refundable on a prorated basis.

Deposits of continuing students for residence halls are refundable until June 1.

RETURN POLICY OF TITLE IV FUNDS FOR RECIPIENTS OF FEDERAL FUNDS

The university is required to have two different policies under Public Law 102-325, the Higher Education Amendments Acts of 1992. A complete copy of the return policy that applies to first-time students who receive Federal Title IV Funds is available in the financial aid office upon request.

Assistance and subsidy from synodical districts, congregations, individuals or federal programs may also be returnable to the programs.

FINANCIAL AID

Meeting the cost of a college education can be a challenge. We understand the commitments students and their families make in order to gain the benefits of a Concordia education. Concordia distributes more than \$16 million in financial aid assistance annually and 99% of full-time undergraduate students receive some type of financial aid. Concordia's staff will make every effort possible to assist you with financial aid information, to facilitate the financial aid application process, and to secure and award appropriate scholarships, awards grants and loans faithfully.

Concordia Financial Aid Programs

Concordia administers a broad array of financial aid from institutional, federal, state and private programs. Both need- and non-need-based financial aid options are available. Many families combine two or more of these options to help manage their financial obligations. Once a student is accepted to Concordia and all forms are completed, an electronic Financial Aid Award Notification is sent out that provides a complete listing of all financial aid eligible to the student.

Need-based financial aid options are available to students who demonstrate financial need. Financial need is the difference between the estimated cost of attendance for school and the Expected Family Contribution (EFC). The EFC is based upon the information the family provides on the Free Application for Federal Student Aid (FAFSA). Factors such as income, assets, family size and the number of family members attending college full-time are considered in determining a family's EFC.

The FAFSA serves as the official application for institutional, state, and federal need-based financial aid. Based upon a thorough review of the FAFSA, Concordia will calculate the student's financial need and then determine the student's need-based financial aid. The FAFSA must be filed by May 1 for priority financial aid consideration. Renewal of need-based financial aid requires completion of the FAFSA annually.

Non-need based financial aid options are available to students without the requirement to demonstrate financial need. Students that are accepted to Concordia will be automatically eligible for all non-need-based aid.

Types of Financial Aid

Various types of financial aid are administered by Concordia:

1. Institutional scholarships, awards and grants consist of non-need based aid such as academic, performance, and athletic scholarships and awards; and need-based grants based on demonstrated financial need from filing the FAFSA annually. All institutional aid is automatically renewable up to eight consecutive semesters if requirements are met. An application to extend renewal beyond eight semesters is available and will be determined on an individual basis. Institutional aid is only available to full-time undergraduate students.
2. Federal grants consist of Federal Pell Grants, Academic Competitiveness Grants, National Science and Mathematics Access to Retain Talent (SMART) Grants, and Federal Supplemental Educational Opportunity Grants (FSEOG). To be eligible for federal grants the student must show demonstrated financial need by filing the FAFSA annually, must be a U.S. citizen or an eligible non-citizen, and may need to meet certain academic requirements.
3. Education loans are available to students and parents to provide them with funding after all other financial aid options have been reviewed. Concordia participates in the U.S Department of Education's Federal Family Education Loan Program (FFELP) which provides students and parents access to the Federal Stafford, Perkins and PLUS loan programs. Also available are credit-based loans from private sources. **Unlike other financial aid such as scholarships, awards and grants, loans are borrowed money that must be repaid with interest.**
4. Student Employment opportunities, including those offered through the need-based Federal Work-Study Program, are made available to assist students in meeting some of the costs related to college attendance.
5. Additional sources of financial aid may be available to students from sources outside of Concordia. They include LCMS district aid; congregational aid; private scholarships from employers, professional organizations and community groups; and ROTC scholarships (see section on ROTC).

To qualify and maintain eligibility in all financial aid programs provided by the university, the student must maintain Satisfactory Academic Progress as defined by federal regulations administered by the U.S. Department of Education. For a copy of Concordia's official Satisfactory Academic Progress policy please contact the Financial Aid office.

ACADEMIC INFORMATION

GENERAL ACADEMIC STANDARDS

ACADEMIC ETHICS

The Concordia community values high academic and ethical standards. Each faculty member is committed to model academic honesty and Christian ethics. Students are expected to respond with the same commitment.

CURRICULUM CHANGES

Since curriculum development and improvement is a never-ending task, and may even result from causes outside of the control of the university, changes in programs may occur while a student is registered at Concordia. However, unless the change announcement specifically states to the contrary, students will not be bound to meet requirements established by such changes. Rather, they may follow the catalog requirements of the year they matriculated at Concordia. (Students whose progress toward a degree has been irregular or interrupted for three years meet requirements stated in the most recent catalog.) Programs may also be altered in individual cases as a result of proficiency tests, advanced placement tests or a program of credit by examination.

Students accept full responsibility for meeting all requirements for graduation. Specifically, the university reserves the right to withhold the granting of a degree or its evidence (such as transcripts) until all financial obligations have been met.

ATTENDANCE

All Concordia students are expected to attend all classes and laboratory periods for which they are registered. Valid reasons may arise which make attendance impossible or inadvisable. In those cases, ruling on the validity of excuses is the responsibility of the individual instructor.

ACADEMIC HONORS

Term: Concordia University recognizes academic achievement each semester by awarding term honors to the 25% of the students with the highest semester GPA providing they completed 12 or more credit hours graded on the traditional (A-F) scale, received no failing grades in the semester, and their semester GPA is at least 3.5.

Graduation: Members of the graduating class are recognized for academic excellence at two levels. "With High Distinction" is earned by the top 10% of the class providing they have GPAs above 3.75; "With Distinction" is earned by the next 15% if their GPAs are above 3.5. Graduates of the College of Education, College of Arts and Sciences, and the Degree Completion Program are recognized separately. Transfer students are eligible for graduation honors if they have completed 64 or more hours at Concordia University, Nebraska.

PARTICIPATION IN GRADUATION EXERCISES

Concordia University holds graduation exercises each May on the Saturday following the end of the spring term. All graduates who have completed their degree requirements since the last ceremony are encouraged to attend and participate.

Students with six or fewer credit hours remaining in their program may also participate if they have made arrangements to complete their remaining requirements by the end of that summer's term and have the permission of the University Provost.

REGISTRATION FOR COURSES

Registration of students is conducted on the days scheduled by the registrar's office. Registration is not complete until satisfactory arrangements have been made with the business office for payment of tuition and fees.

The following points are to be considered in registering for a program:

1. Lower level courses are numbered 100-299 and are normally taken by freshmen and sophomores. Upper level courses are numbered 300-499 and are normally reserved for registration of juniors and seniors. 400-series courses offer graduate credit for students who are eligible, and 500-series courses are for graduate credit only.
2. A lower level student may, with the approval of an advisor, register for upper level courses if the student is in the second semester of the sophomore year and has met the prerequisites as designated in the catalog course descriptions, or, because of unusual pre-college preparation is equipped to take advanced courses in certain prescribed areas.
3. A normal load for a full-time student is 16 semester credit hours. Students may register for as many as 18 semester hours if they demonstrate the capability to carry a heavier course load and meet grade point average requirements as established by faculty policy. Additional tuition is charged for loads over 18 hours. Conditionally admitted students and students on academic probation are limited to the number of credit hours established by the terms of their enrollment.
4. One semester hour is normally equivalent to one 50-minute period of class recitation or lecture per week for 15 weeks. Two hours of study time should be reserved for each class meeting.
5. End of Drop/Add date is the last date for course enrollment in a given term. No changes in course registration may be made after noon on End of Drop/Add date.

SPECIAL COURSE OPTIONS

INDIVIDUALIZED STUDY

Honors courses are available to highly capable senior students. Reading courses can be designed for self-study with consultation. An independent study, a regular course taken through self-study and consultation, can be arranged when approved. Independent study courses are assessed an additional fee (see Financial Information section).

CORRESPONDENCE AND EXTENSION COURSES

With prior approval of the advisor and the registrar, a student may take and apply towards graduation up to 12 semester credit hours of approved correspondence courses and up to 18 semester credit hours of approved extension courses from accredited institutions. Correspondence and extension courses taken while in attendance at Concordia count toward the student's 18 semester hour limit. Correspondence and extension courses must be completed by mid-term prior to the declared graduation date. The student must supply a transcript of credit earned.

ADVANCED PLACEMENT/CREDIT BY EXAMINATION

Concordia will award college credit to students receiving certain scores on Advanced Placement exams. A score of 4 or 5 is required to receive credit for music or English exams. A 3, 4, or 5 is required for other exams. Contact the registrar for details or for information about receiving credit by exam after arriving on campus.

INTERNATIONAL BACCALAUREATE

Concordia University awards transfer credit to incoming students who have completed individual International Baccalaureate (IB) courses or the full IB Diploma. Concordia considers both Standard and High Level scores for credit on a course-by-course basis and also guarantees at least 24 but not more than 32 hours of credit to students who complete the IB Diploma program. The University web site contains a current list of specific course substitutions which may be used as a guide to estimate the number and type of credits awarded for individual IB courses at www.cune.edu/ib. Contact the registrar for more information.

AUDIT OF COURSES

Full-time undergraduate students (those registered for 12 or more hours of courses) may audit up to four hours of courses without paying additional fees, provided that no student wishing to take the courses for credit shall be refused admission to the course because of excessive enrollment. The student must either meet all prerequisites for the course or receive special permission from the instructor to enroll. Instructors may close courses to audits. In addition, instructors may also require attendance, stipulate readings, and establish other standards of performance for auditing students. Applied music courses may not be audited. Audits in excess of four hours by full-time students and all audits by part-time students will be charged the audit rate (see financial information). All audits done by students during special terms (summer session, one-week intensive courses) will be charged the audit fee.

TUTORIAL ASSISTANCE

The Academic Resource Center coordinates a program of peer tutors for students seeking assistance in their course work. Such tutors, provided at university expense, are available to assist students both with specific course assignments and with preparation for certain standardized tests, such as the Pre-Professional Skills Test (PPST), required of all teacher education students.

INTERNATIONAL STUDY OR SERVICE ABROAD OPPORTUNITIES

Office of International Education (OIE)

Concordia University is committed to equipping its students for life, service, and learning in the world. Through international experiences students can discover first hand more about a different part of the world . . . augment a program of study with an on-site plunge into language and culture . . . or expand their world view beyond home town.

Concordia students should contact the office of international education and the director of international education, for more information on any of the international opportunities listed below.

International travel & trip opportunities

Students are able to experience another country through these types of travel and study tour activities.

- Some opportunities may be off-site course offerings where registration in a course for credit is required.
- Other opportunities are available for just the travel and cultural experience.

The OIE serves as a resource to faculty in the administrative and planning process for these opportunities. This office also provides processes, procedures, resources (applications, recommendations, assumption of risk, risk management check points, etc.) available for these class / tour offerings.

International mission opportunities

Short term opportunities are available where ministry and service to (and with) people in another country is the primary focus.

- These are usually faculty led and/or sponsored by student organizations.
- Past projects have included working with children, youth and adults in Bible school activities, English as a second language instruction, and congregational outreach activities. Activities have also included acts of mercy, ministry of presence, aid to orphans, and tsunami related rebuilding efforts.

The OIE serves as a resource to faculty and student organizations in the planning process. This office also maintains the “Student Travel Handbook” with guidelines and resources for leaders.

Semester or summer study abroad

A student spends a semester in another country, taking a full course of study and immersing themselves in the culture. Student remains enrolled at Concordia, but applies for and participates in an approved off campus program run by another university or program provider. Summer study abroad programs are usually shorter opportunities for students to study in a foreign location for one or more classes during the summer.

- Process begins with the director of international education for students to find out about programs available, to pick up application materials, and for guidance through the process.
- A student applying to study abroad must be a student in good standing at Concordia.
- Student visits with their advisor to determine the study abroad choice is a good program fit and what credits will work in their current program of study.

The OIE determines programs available to students, works with students regarding options based on their program of study and goals. This office also provides application materials, guidance through the process, and establishes policies, procedures, risk management check points and pre-orientation training.

E-MAIL COMMUNICATION

All Concordia e-mail accounts exist to advance the mission of the institution and are supported in their totality by Concordia University. E-mail use supports, directly and indirectly, a corporate educational effort and the accounts are not considered personal property.

All those who teach at Concordia will have an officially-issued e-mail account that students and others at the university can reasonably expect to be used.

Students are required to use their issued CUNE.org address. A student's CUNE.org address is one of the official means for university communication (along with a student's campus mail box and permanent address) and their instructors will also have the expectation that these e-mail addresses can and will be used for communication with a student.

The university expects faculty, staff, and students to check e-mail on a frequent and consistent basis and to respond in a timely fashion. As a general rule students and colleagues can expect that e-mail will be checked on any day an instructor is in class.

DEGREES, DIPLOMAS AND CERTIFICATES OFFERED

BACHELOR DEGREES

Concordia University offers the following undergraduate degrees: Bachelor of Science in Education; Bachelor of Science; Bachelor of Arts; Bachelor of Music; and Bachelor of Fine Arts.

A degree is conferred upon a student in good standing who has completed the requirements of one of the programs described in the “Program of Study” section in this catalog and who has completed at least 128 semester hours of credit with a minimum cumulative grade average of “C” (2.00) or the minimum grade average specified by individual program requirements (if higher). A minimum of 30 semester hours (12 of which must be on the 300 & 400 level and 15 of which must be in the student's major) must be taken in residence.

A second bachelor's degree requires an additional 30 semester hours above the 128 hours.

TEACHER EDUCATION PROGRAMS

The Lutheran Teacher Diploma

The Lutheran Teacher Diploma is available to students who are currently members in good standing of a congregation of The Lutheran Church – Missouri Synod. This diploma is granted to students who have met all requirements for the Lutheran teacher education program, have a teaching degree, are eligible for a teaching license in the State of Nebraska, and have been certified by the faculty as qualified to begin service as called members of the Lutheran teaching ministry. Students wishing to receive the LTD must apply to the program and complete its requirements as a part of the baccalaureate degree. This diploma qualifies the student for minister of religion status in The Lutheran Church-Missouri Synod.

All students receiving the Lutheran Teachers Diploma are required to take a minimum of six hours of upper-level (300 or 400 level) theology courses on campus. (See specific course requirements under Bachelor of Science in Education Programs)

Teaching Ministry Colloquy Program

The university offers a program for teachers who are not commissioned by The Lutheran Church–Missouri Synod and who wish to be commissioned and listed on the LCMS roster. Candidates for this program must complete eight religion and Christian teacher courses after which a comprehensive written exam is taken followed by an oral interview. Courses can be taken on campus any time the courses are offered, or the candidate can transfer up to three courses from any other Concordia University or the CUEnet online

system.

Candidates who 1) are a member of an LCMS congregation, 2) have a B.S./B.A. in education, 3) are at least 25 years old, and 4) have taught in a Lutheran school for at least one year may apply to Concordia University's Office of Colloquy Program for entrance into the program.

The application process requires the applicant to 1) complete an application to Concordia University, Nebraska, 2) complete an application to the Colloquy Program, 3) submit the names for five recommendations, and 4) send Concordia an official transcript of their higher education history.

The courses required for completion are:

Rel-121- History and Literature of the Old Testament
Rel-131 - History and Literature of the New Testament
Theo-251 - Interpretation of Pauline Epistles
Theo-361 - Christian Doctrine I
Theo-362 - Christian Doctrine II
Educ-362 - Teaching the Christian Faith
Theo-381 - The Christian Teacher's Ministry

Teacher Certification

Concordia maintains an office to assist graduates in securing a teaching certificate. The Dean of Education is authorized to recommend qualified candidates for any of the teaching certificates for which they are eligible. That office provides applications, institutional recommendations and transcripts, and initiates the transactions with the various state education departments.

All teacher graduates who apply for certification on or after August 1, 1989, must satisfactorily complete a prescribed admission and exit examination. Information regarding the test is available in the office of the Dean of Education.

A bachelor of science in education degree must be completed, with at least 30 semester hours in residence, to be eligible for a teaching certificate. The teaching certificate authorizes the graduates to teach in specific states in whatever teacher education program areas they have completed. Certification is not automatic. Each graduate must apply to receive a teaching certificate. Certification by the State of Nebraska requires completion of courses in human relations and special education.

Nondegree Certification and Endorsement Programs

There is a nondegree certification program and a nondegree added endorsement program for persons who have already earned a bachelor's degree. Concordia's alternative certification program follows the principles and regulations established by the State of Nebraska. College or university graduates with B.A. or B.S. degrees who are interested in becoming teachers may complete a teacher certification program that does not include the complete earning of another degree. This is best described as an added program to the existing college or university credits. Likewise, teachers who are already certified (and already have a license) and wish to add additional endorsements to increase their placement possibilities and/or job acquisitions may add endorsements without completing an additional degree. Persons desiring further information should contact the Dean of Education, Concordia's teacher certification officer.

DIRECTOR OF CHRISTIAN EDUCATION PROGRAM

The DCE Certificate

Concordia awards a DCE certificate to all graduates who have completed the DCE sequence of 54 hours and all other graduation requirements for a baccalaureate degree. This certification entitles a graduate to receive a call as a DCE and to be placed on the Commissioned Minister Roster of The Lutheran Church-Missouri Synod.

DCE Specialist Diploma

The DCE Specialist Diploma program is designed for those who have completed a bachelor's degree without DCE certification and may be serving in a DCE role in a congregation or working in an unrelated field. The process for this graduate certification includes:

1. Formal application to the DCE program.
2. Interview with faculty members.
3. Course work in Christian education, theology and psychology as determined through interview.
4. An internship of one year.
5. Recommendation and endorsement by faculty.

For further information, contact the Office of DCE Ministries or the graduate office.

DIRECTOR OF PARISH MUSIC PROGRAM

The Director of Parish Music Certificate

This certificate is granted to all students completing the academic and other requirements of the program and a Bachelor of Music degree with a major in Parish Music. Certification entitles the graduate to receive a call as a Director of Parish Music and be rostered as

a minister of religion in The Lutheran Church–Missouri Synod.

GERONTOLOGY PROGRAM

The Gerontology Certificate

Concordia's Gerontology Program is recognized by the Association of Gerontology in Higher Education as a fully qualified certificate granting program. Upon completion of the required coursework and practicum work students receive the certificate. It may be earned as a stand-alone certificate or as a part of a traditional or degree completion undergraduate degree. Students may also earn a minor in Gerontology without earning the certificate. For more information review the program details at <http://www.cune.edu/gerontology>.

GRADING SYSTEM

A system of grade points is used to determine a student's standing for graduation, for transfer, or to establish status in the various programs of the university.

In its marking system Concordia employs letter grades, with pluses and minuses, with the following grade point values:

A	4.00	B+	3.33	C+	2.33	D+	1.33	F	0.00
A-	3.67	B	3.00	C	2.00	D	1.00		
		B-	2.67	C-	1.67	D-	0.67		

Course work to be credited toward graduation or program status must reach a minimum cumulative grade average specified by individual program requirements.

The cumulative grade point average includes only grades of all courses attempted at Concordia in Seward.

Grade reports are available online and are mailed to the student's home address at the end of each term upon request.

DEFINITION OF GRADES

- A The student has demonstrated an excellent mastery of the material and has met the objectives of the course in an excellent manner.
- B The student has demonstrated a commendable mastery of the material and has met the objectives of the course in a commendable manner.
- C The student has demonstrated a satisfactory mastery of the material and has met the objectives of the course in a satisfactory manner.
- D The student has not demonstrated a satisfactory mastery of the material, but has met the objectives of the course in a minimal manner.
- F The student has failed to master the material or meet the objectives of the course.

INCOMPLETES

An instructor may assign an incomplete if extraordinary circumstances prevent a student from completing a course during a term. Incompletes must be removed by mid-semester of the subsequent fall or spring term or the incomplete automatically becomes an F.

WITHDRAWALS

A student may drop a course without financial penalty until the day designated as census date for each term.

Following census date, a student who wishes to withdraw from a course must secure the prior approval of the advisor and course instructor on a withdrawal form, to be filed with the registrar. When a student withdraws from a course with proper approvals, the permanent record will show a grade of W (Withdrawal). The last date for withdrawal from semester classes is two weeks before the official closing of regular class sessions.

Dropping or withdrawing from a course at any time without official approval will result in a failing grade of record. Students are responsible for filing their signed drop and withdrawal forms with the registrar.

Students who wish to withdraw from the university are to notify their advisors and secure the approval of the Director of Advising and Retention Management.

REPEATS

A student may elect to repeat any course. The highest grade will be used in determining GPA. All grades will be included on the transcript.

FAILURES

A failed course must be repeated successfully if it is required for graduation.

PASS/NO RECORD AND PASS/FAIL

Students may choose to take courses Pass/No Record (P/NR) when the courses are not required in the student's general education, major, minor, or other program. Courses taken P/NR count toward the 128 hour graduation requirement as free electives.

Certain courses are only offered P/F and are not subject to this rule.

The student's GPA will not be affected by a course taken either P/NR or P/F. There will be no letter grade reported with a grade of P/NR/F. A passing grade will result in successful hours of credit.

RECORDS POLICIES

PRIVACY OF RECORDS

Concordia's policy relating to the confidentiality of student records is in keeping with the regulations of the State of Nebraska and the laws of the United States. Copies of the complete statement may be obtained in the offices of the Provost or the Student Life Office.

TRANSCRIPTS

Transcripts of credit are issued by the registrar's office upon written request of the student, provided all financial obligations have been met. Transcripts will be withheld until the student's account is cleared. Transcripts are printed twice a week at no cost unless special handling is requested. A fee of \$20 is charged for special handling of transcripts, such as overnight delivery or facsimile transmission.

TRANSFERRING CREDIT TO CONCORDIA

Students must request the granting institution send an official transcript directly to the Office of the Registrar at Concordia. Request transcripts be mailed to:

Office of the Registrar
Concordia University, Nebraska
800 N Columbia
Seward, NE 68434

Prior to enrolling for credit at another institution, students should check with Concordia's registrar to ensure the credit will transfer and will apply correctly to the student's degree.

Students who wish to obtain their bachelor's degree from Concordia but who opt to complete their program on another campus must receive prior approval of all requirements. (See section on Transferring Credit.)

PROGRAMS OF STUDY

THE GENERAL EDUCATION COMPONENT OF ALL PROGRAMS

Within the hours required for graduation each student completes a program of 45 hours of general education depending upon program major. This component of Concordia's curricula is a basic liberal education that seeks to broaden and develop people who are socially and religiously sensitive, who see the interrelatedness of learning between the disciplines, who are culturally aware, physically and intellectually rounded and more capable of coping with the demands of life.

First-Year Seminar Requirement - 1 hour

FYS-101

Humanities Requirements – 27 hours

History (3 hours)

Hist-115, Hist-131, or Hist-132.

Composition (3 hours)

Eng-102.

Literature (3 hours)

Eng-201 or higher level course with permission.

Fine Arts (6 hours)

Course work from two of the following areas: Art, Drama, Music. Courses selected from Art-101,161, 203, 260; CTA-151,152, 154; any Music course.

Biblical Literacy (6 hours)

Two courses from Rel-101, Rel-121, 131. Academic advisors will recommend appropriate choices.

Theology (3 hours)

Theo-210.

Global/Multicultural Studies (3 hours)

PS-211 or Soc 201.

Social Sciences Requirements– 6 hours

Course work from two of the following areas: economics, geography, political science, psychology and sociology. Courses selected from Econ-101 or 102, Geog-101 or 102, PS-111, Psy-101, Soc-101.

Health and Human Performance Requirements - 2 hours

At least one hour from the following: **HHP 100** (recommended), 162, 164, 166, 168, 169.

The following courses may be applied to the balance of the requirement: **any Activity course** (swimming may be used only once), **any Health Topics course, HHP-182.**

Mathematics Requirement - 3 hours

Specific course determined by student's program requirements and/or academic background.

Natural Sciences Requirements - 6 hours

Students must complete at least one course each in biology, chemistry and physics between high school and college.

The following courses are recommended for students who are not in science programs:

Bio-110, 122, 207, 217, 222, Bio/Sci-230, Bio/Sci-231(taken with Bio/Sci-230), 243, 288, 362, 363, 385, 444.

Chem-109, 115.

Phys-109, 110.

Sci-202, 281, 315, Sci/Phys 331, 365, 381.

In addition, students in science programs or other students with strong interest may use the following courses to fulfill general education science requirements. Students are encouraged to consult with instructors before registering for these courses.

Bio- 111, 112, 122, 141, 208, 317, 343, 344, 345, 371.

Chem-116, 231.

Phys-111, 112, 211, 212.

Additional Requirements for all Bachelor's Degree programs:

In addition to fulfilling the above General Education requirements, students will complete at least one of each of the following learning experiences. Some students may be able to complete all these requirements within the scope of their 45-hour General Education sequence, major and minor; other students may need to complete additional hours to satisfy all requirements. A single course or experience may satisfy multiple requirements.

- Capstone: Designated by each program and/or major.
- Financial Literacy: Students may fulfill the financial literacy requirement by completing FINL-100 and FINL-400 online modules.
- Global/Multi-cultural Studies: May be accomplished by taking a GM designated course. Options include traditional courses as well as study abroad, independent study and special topics courses.
- Information Literacy: Requirements are outlined in each major.
- Oral Communication: Requirements are outlined in each major.
- Service-learning: May be accomplished by taking SL-370, 380 or 390, or by taking an SL-designated course in another department.
- Writing: May be accomplished by taking a Writing Intensive (WI) designated course.

Waivers and Deficiency Requirements:

- Students who complete an Associate of Arts Degree at another institution shall be considered to have completed all but the Biblical Literacy and Theology requirements in the General Education curriculum.
- Students who score below 18 on the English portion of the ACT or 435 on the verbal portion of the SAT must take Eng 101 as a pre-requisite for Eng 102.
- Students who have not completed two full years of foreign language study in high school are required to take Spanish 101, 102 or equivalents. One course is waived for each full year of study completed.

BACHELOR OF SCIENCE IN EDUCATION PROGRAMS

See also the Bachelor of Fine Arts and Bachelor of Music for education opportunities

GENERAL POLICIES

Mission in Teacher Education

Educated people in a democratic society promote a congenial community where its citizens put the common good above self-interest. Empowered by the Gospel, the church in mission strives to nurture its members through God's revelation. Education, one assisting process, seeks to help people become less self-centered and more responsive to society's and the church's aims. Capable Christian teachers, qualified to meet the needs of children, youth and adults, aid society and the church in achieving their goals.

The university accepts its mission in teacher education: Empowering students as teachers, coaches, leaders and learners for effective Christ-centered ministry and service to church and world.

Furthermore, Concordia University demonstrates acceptance of this mission by developing and maintaining quality undergraduate and graduate preparatory programs. Designed to fashion professional teachers, programs are currently offered in:

- Early Childhood Education
- Elementary Education
- Middle Level Education
- Secondary Education
- English Language Learner Education

Current statements of Concordia's philosophy of education and specific objectives for its teacher education programs are available in the education office.

The Lutheran Teacher Diploma

Students desiring the Lutheran Teacher Diploma must include the following in their coursework: Rel-121, 131; Theo-241 or 242 or 251 or 252, 361, 362, 381; Educ-362 (except secondary education). These requirements are included in the general education or professional education requirements.

TEACHER EDUCATION ADMISSION AND RETENTION PROCEDURES

The Dean of Education is responsible for administering the admission to teacher education procedures.

Application for Admission

Students who wish to enter a teacher education program(s) must complete an application for admission to teacher education. Applications will be accepted when a student has completed Educ-101, Educ-201, and EDPS-210. The application for admission process must be completed before a student can enroll in the following courses: Educ-301, Educ-311, Educ-332, Educ-363, Educ-364, Educ-367-379 (Secondary Methods), Educ-401, Educ-402, Educ-424, Educ-425A, Educ-430, Educ-452, Educ-461, Educ-470, Psy-421, Psy-422, Student Teaching, Theo-381, Math-301, Art-301, HHP-363, HHP-364.

Courses that may be taken before full admission has been granted are: Psy-210, Psy-211, Psy-212, Psy-324, Theo-24x/25x, Theo-361, Theo-362, Educ-211, Educ-330, Educ-333, and Educ-362. Any other professional courses completed before full admission has been granted are subject to review and will not automatically be applied to certification. Student applicants are also advised that they cannot be admitted to teacher education until they have successfully passed the Pre-Professional Skills Test with a score of 170 or above in Reading; 171 or above in Mathematics; 172 or above in Writing. Normally the application process is begun when the student is enrolled in Educ-201. Teacher education candidates in early childhood education and elementary education are required to also take the Praxis II – Elementary Education Curriculum, Instruction, and Assessment test during their junior or senior year in order to be considered highly qualified for teacher certification purposes. More information on this test can be obtained from the Dean of the College of Education.

Criteria for Admission

1. Completion of application for admission form.
2. Successful completion of the Pre-Professional Skills Test, with passing scores. There is a fee for taking the PPST.
3. Completion of Educ-101, Educ-201, and Psy-210.
4. Professional grade point average of 2.75.
5. Verification that the student is in good standing by the student life office and verification by the student who must affirm that s/he has not been convicted of a felony or misdemeanor involving abuse, neglect or injury to another person or sexual misconduct in any state and is mentally and emotionally competent to practice the teaching profession prior to admission to teacher education.
6. Must achieve a cumulative grade point average of 2.5 in all courses to be counted towards the baccalaureate degree.
7. Secondary education students must achieve a grade point average of 2.75 in their field, comprehensive subject major, or field endorsements.
8. A recommendation for "admission" from the student's advisor, Director of Student Life, program director and two other faculty members. The field experiences director is responsible for verifying successful completion of the required field experience.
9. An interview with the Dean of Education or with a committee selected by the dean is required.

Notification of Admission

The Dean of Education will notify students and their advisors in writing of decisions on teacher education applications. Such notification will indicate admission, provisional admission or denial of admission. Students who have been denied admission may reapply pending special review by program directors.

Retention Criteria

Once students have been admitted to the teacher education program they will be permitted to complete the program if the following criteria are met:

1. A cumulative grade point average of 2.50 is maintained for all courses to be counted toward graduation, for permission to student teach and for recommendation for certification and placement.
2. Students maintain a 2.75 grade point average in the professional training for permission to student teach and for recommendation for certification and placement. Secondary education and middle level education students must maintain a 2.75 grade point average in their field, comprehensive subject major, subject endorsements or content teaching areas.
3. Students, their advisors, and the Director of Student Life office must certify that the student's development physically, emotionally, socially, mentally and spiritually is proceeding at a rate and in a direction that should make it possible for the student to succeed as a beginning teacher. This procedure is to be completed at the time of application for student teaching, placement and certification.
4. No student who has been convicted of a felony or misdemeanor involving abuse, neglect, or injury to another person or sexual misconduct in any state or is mentally and emotionally not competent to practice the teaching profession may apply for student

teaching or for certification without the approval of the Nebraska State Board of Education.

Notification of Retention and Continuation in the Program

Upon completion of the appropriate application:

1. The student teaching coordinator will notify the student regarding permission to student teach.
2. The placement director will notify the student of the final faculty recommendation for placement.
3. The Dean of Education will notify the student of the recommendation concerning initial teacher certification.

Appeals Process

If students wish to appeal being denied admission or being removed from the program, a written appeal may be addressed to the commissioned ministers appeal committee through the university provost. This document is to include the student's name, reason for appeal, and other pertinent information.

Any student who is not satisfied with the decision of the appeal committee may appeal directly to the president of Concordia University.

Program Checkpoints for Students

The university has established "check points" which are to be completed by every teacher education student.

1. Academic Program Declaration—Students interested in teacher education should file an Academic Program Declaration form with the Registrar as soon as their freshman year.
2. Admission to Teacher Education—This requires completion of an application which is to be initiated by the student and processed through his or her advisor during the semester in which the student is enrolled in Educ-201, Introduction to Education or when transferring to Concordia.
3. Checkpoint #2 – This requires a review of progress on completing field experiences and a second review of the candidate's portfolio. This normally must be completed one year prior to the semester in which the candidate will student teach.
4. Approval for Student Teaching—This requires completion of an application by the student during the junior year or when transferring to Concordia.
5. Approval for Placement—This also requires student completion of an application to be initiated by the student early in the senior year and processed through an advisor. Before placement the student also meets with the director of placement to coordinate the special abilities, desires, and interests of the student with the special needs of the church and its parishes. Some placements may require extra work for certification.
6. Faculty Approval for Placement—Receiving faculty approval requires completing all program requirements successfully.
7. Approval for Certification—At graduation, the student must apply for certification in Nebraska and other appropriate states with the assistance of the Dean of Education.

ELEMENTARY EDUCATION PROGRAM

The elementary teacher education program consists of the general education component, the professional education core, the elementary education endorsement, a school subject concentration and electives.

1. General Education 45 hours

2. Professional Education Core 22 hours

Educ-101 Teaching as a Profession	1
Educ-201 Introduction to Education	3
EDPS-210 Educational Psychology and General Methods	2
*Theo-241/242/251/252 Interpretation Course	3
+Psy-324 Psychology of Exceptionality	3
+Educ-424 Teaching Diverse Learners	2
*Theo-361 Christian Doctrine I	3
*Theo-362 Christian Doctrine II	3
+Theo-381 Christian Teacher's Ministry	2

3. Elementary Education Endorsement 35 hours

Psy-211 Child Development and Psychology	2
+Art-301 Methods in Art Education	1
+Math-301 Concepts of Mathematics II	3
+Educ-461 Literacy Instruction, Assessment & Intervention	6
*Educ-362 Teaching the Christian Faith	2
+Educ-425A Foreign Language Instruction, Curriculum, Assessment	3
+HHP-363 Health Methods in the Elementary School	1
+HHP-364 PE Methods in the Elementary School	1
<i>Professional Semester:</i>	
+Educ-363 Teacher Laboratory-Elementary Methods	6
+Educ-381-384 Elementary Student Teaching	10

4. Elementary School Subject Concentration

A maximum of six hours of required general education courses may be included in some subject concentrations. The Early Childhood Endorsement fills the subject concentration requirement for students in that program.

5. Electives, if needed, to meet the minimum 128-hour requirement.

+Students must be admitted to the teacher education program prior to enrolling in these courses.

*Public school candidates may select from the courses below to substitute for Educ-362 and Theo-361 and Theo-362 and the Interpretation course. These substitute courses may not be used to meet general education requirements. These substitute courses may be used elsewhere in the student's education program or in a minor, concentration, subject or field endorsement, or comprehensive subject major. The substitute pool consists of Art-260; Bio-217; Bus-400; Educ-483; Eng-391; Geog-315; HHP-281, 282, 283, 284, 285; Hist-313, 334, 335; Phil-201, 202, 301; Soc-221, 331, 335; Theo-371, 375, 390, 465, 483. Additional courses may be substituted with the approval of the Dean of Education.

NOTE: Students desiring certification endorsement at the elementary level must earn a minimum of 15 hours in the professional sequence and student teaching on Concordia's campus.

All students receiving the Lutheran Teachers Diploma must complete a minimum of six hours of upper level theology (300 or 400 level) courses on Concordia's campus.

ELEMENTARY SCHOOL SUBJECT CONCENTRATIONS

Art - 26 hours

Art-103, 203, 205, 243, 301 (2 hours), 325, 345, two courses from Art-271, 272, 273.

Director of Christian Education (DCE) - 30 hours

Educ-229, 329, 388, 480, 483, 484, 485, Psy-341, 442, Theo-450, 487. (Additional requirements required for Director of Christian Education Program.)

English - 24 hours

Eng-221, 231, 391, 326 or 327 or 328, 341 or 342 or 343, 362 or 363 or 364, 366 or 381 or 382 or 384, 383 or 385. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361- The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 - Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

English Language Learners - 24 hours

Eng-231, 391, Educ-425a, 425b, 426, also six semester hours of Modern Foreign Language. Educ-399, Student Teaching in English as a Second Language, is required. It is offered in January or May each academic year.

General Science - 24 hours

Courses approved by department chair. Concentrations must include at least six hours of upper level course work.

Geography - 25 hours

Geog-101 and/or 102, 281, and 15-18 hours of geography electives. Students can supplement on-campus courses with Summer Term study tours (three hours). Some hours may have to be taken by independent study. See the department chair.

Health Education – 25-26 hours

HHP-181,182,366,389,481, Bio-243. Three to five hours of health topics classes: HHP-280, 281, 282, 283, 284, 285, 286, 287, 288, 289. Select four to six hours from the following to bring hours to 25: HHP-480, 482, 484, 486, Bio/HHP-465.

History - 24 hours

Hist-115, 131, 132; and upper level electives from U.S. and non-U.S. history, including at least nine hours of U.S. history.

Life Science (Biology) - 24 hours

Bio-110, 122, 217 or 317, 243, and 10 hours of electives in biology. Note: students may choose to take Bio-343 and 344 in place of Bio-243, with only 6 additional hours of biology electives needed.

Mathematics - 18 hours

Math-122, 184, 252, 301, 335, and CS-121.

Music - 25–27 hours

Mu-102, 103, 104, 105, 213, 331; one of Mu-332 or 333; MuAp-171 (students with previous piano experience may schedule a placement exam with the music department);

Applied Music: four hours.

Ensembles: four hours from Mu-232, 233, 236, 241, 242 (ensembles may not be audited)

ScMu-328

Physical Education - 25–26 hours

One dance class (153,155)

One aquatics class (171–177)

One individual/dual activity class (134, 135, 152, 154, 156, 157, 158)

One team activity class (111, 112, 116, 117, 118, 132)

One fitness activity (162, 164, 166, 168)

One leisure activity (142, 144, 146, 147, 148, 149)

HHP-182, 238, 268, 291, 365, 383, 399, 471, Bio-243, two of the following: HHP-218, 248, 258. One elective from the following: HHP-321, 322, 323, 325, 326, 327, 385, 395, 463, 491, 492, 493, 494.

Physical Science - 24 hours

Eight hours of general chemistry, Phys 111, 112, Chem-231 and Phys-381, and one hour elective.

Self-Directed Concentration (S.D.C.) – 24 hours

- Elementary education candidates select courses for their concentration
- Candidates must provide a written rationale for their course selections
- 24 hours of coursework is required for any S.D.C.
- 12 hours of credit must be in upper level courses (300 and 400 level)
- A maximum of 6 hours can be used from general education or professional education courses
- A maximum of 9 hours of upper level coursework can be transferred from another 4-year approved institution.
- The S.D.C. must be approved by the candidate's advisor, the department chair, and the Dean
- A copy of the S.D.C. will be filed with the Registrar's office for the purpose of graduation degree evaluation
- A self-directed concentration will not lead to an endorsement or certification for any program not currently offered at Concordia University, Nebraska as an endorsement or certification

Social Science (Geography Emphasis) - 25 hours

Geog-101 or 102, 281, and nine hours of geography electives; three courses from the following, representing at least two disciplines: Hist-131, 132, 421, and 455; Soc-201 and 331; and PS-111.

Social Science (History Emphasis) - 24 hours

Hist-115, 132 and nine hours of history electives, including at least one upper level U.S. history and one upper level non-U.S. history courses; and three courses selected from the following, representing at least two disciplines: Geog-311, 331 341; Soc-201; PS-111.

Social Science (Sociology Emphasis) - 24 hours

Soc-101, 331, and nine hours of sociology electives; and three courses selected from the following, representing at least two disciplines: Geog-102, 315, and 391; Hist-132, 309, 410, 417, 421, and 455; and PS-111.

Social Science (Multicultural Studies Emphasis) - 24 hours

Geog-102, Hist-131 and 132, Soc-201, and four courses selected from the following, representing at least two disciplines: Geog-331 and 341; Hist-417, 421, and 455; Soc-221 and 361.

Spanish - 24 hours

Please contact the Spanish instructor or the Dean of Arts and Sciences to construct a specific sequence of courses.

Special Education – 22 hours

Psy-324, Educ-424, 430, HHP-471, Educ-314, 315, 316, 317. This concentration does not lead to an endorsement in special education.

Speech/Drama – 21 hours

Eng-102, CTA-211, 231, 151, 154 and six hours of communication and theatre arts electives.

OTHER ELEMENTARY ENDORSEMENTS

Early Childhood Education

132 hours

1. General Education

45 hours

2. Professional Education Core

22 hours

Educ-101 Teaching as a Profession	1
Educ-201 Introduction to Education	3
EDPS-210 Educational Psychology and General Methods	2
*Theo-241/242/251/252 Interpretation Course	3
+Psy-324 Psychology of Exceptionality	3
+Educ-424 Teaching Diverse Learners	2
*Theo-361 Christian Doctrine I	3
*Theo-362 Christian Doctrine II	3
+Theo-381 Christian Teacher's Ministry	2

3. Elementary Education Endorsement

35 hours

Psy-211 Child Development and Psychology	2
+Art-301 Methods in Art Education	1
+Math-301 Concepts of Mathematics II	3
+Educ-461 Literacy Instruction, Assessment & Intervention	6
*Educ-362 Teaching the Christian Faith	2

+Educ-425A Foreign Language Instruction, Curriculum, Assessment	3
+HHP-363 Health Methods in the Elementary School	1
+HHP-364 PE Methods in the Elementary School	1
<i>Professional Semester :</i>	
+Educ-363 Teacher Laboratory-Elementary Methods	6
+Educ-381-384 Elementary Student Teaching	10

4. Early Childhood Endorsement 30 hours

HHP-182 First Aid and CPR	2
Psy-212 Child Development & Psychology/EC	1
Educ-330 Early Childhood Educ. Foundations & Programs	3
Educ-331 Infants & Toddlers: Development, Curriculum & Teaching	3
Educ-333 Primary Education and Literacy Development	3
+Educ-430 School, Community, and Parent Involvement	2
<i>Professional Semester (ECE requires two professional semesters):</i>	
+Educ-332 Early Childhood Curriculum & Methodology	3
+Educ-452 Early Childhood Program Organization & Mgmt.	3
+Educ-380 Student Teaching in Pre-Primary	10

+Students must be admitted to the teacher education program prior to enrolling in these courses.

*Public school candidates may select from the courses below to substitute for Educ-362 and Theo-361 and Theo-362 and the Interpretation course. These substitute courses may not be used to meet general education requirements. These substitute courses may be used elsewhere in the students' education program or in a minor, concentration, subject or field endorsement, or comprehensive subject major. The substitute pool consists of Art-260; Bio-217; Bus-400; Educ-483; Eng-391; Geog-315; HHP-281, 282, 283, 284, 285; Hist-313, 334, 335; Phil-201, 202, 301; Soc-221, 331, 335; Theo-371, 375, 390, 465, 483. Additional courses may be substituted with the approval of the Dean of Education.

Vocal Music Endorsement - 61 hours

61 hours music courses plus general education and professional education.

Mu-102, 103, 104, 105, 206, 207, 211, 212, 213, 303, 331, 333, 334; ChMu-313, 411; ScMu-328

Principal Instrument: 10 hours; pass competency

Keyboard Proficiency: four hours; pass keyboard proficiency exam

Voice Proficiency: two hours; satisfy level of MuAp-251

Vocal Ensembles: eight hours; may audit; required in each of 8 semesters

Recital Attendance: see music dept. handbook

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance into that program during their first year at Concordia. See music dept. handbook for admission and retention procedures.

Instrumental Music Endorsement - 63 hours

63 hours music courses plus general education and professional education.

Mu-102, 103, 104, 105, 206, 207, 211, 212, 213, 303, 331, 332

ScMu-262, 263, 264, 265, 317, 328

ChMu-313, 411

Principal Instrument: (orchestral instrument – wind, string, or percussion) 10 hours; pass competency

Keyboard Proficiency: zero to four hours; pass keyboard proficiency exam

Voice Proficiency: zero to one hour; satisfy level of MuAp-151

Instrumental Ensembles: eight hours; may audit; required in each of eight semesters. At least six semesters must be in the University Symphonic Band; the other two semesters may be in any combination of Symphonic Band, University/Community Band, or Jazz Ensemble.

Recital Attendance: see music dept. handbook

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance into that program during their first year at Concordia. See music dept. handbook for admission and retention procedures.

ELL Supplemental Endorsement - 15 hours

Eng-231, Educ-425a, Educ-425b, Educ-426, Educ-399; students must also present competence in a foreign language equivalent to two semesters of post-secondary foreign language coursework or two years of high school foreign language.

MIDDLE LEVEL EDUCATION PROGRAM

The middle level teacher education program consists of the general education component, the professional education core, the middle level endorsement, and two content teaching areas.

1. General Education 45 hours

2. Professional Education Core 22 hours

Educ-101 Teaching as a Profession	1
Educ-201 Introduction to Education	3
EDPS-210 Educational Psychology and General Methods	2
*Theo-241/242/251/252 Interpretation Course	3
+Psy-324 Psychology of Exceptionality	3
+Educ-424 Teaching Diverse Learners	2
*Theo-361 Christian Doctrine I	3
*Theo-362 Christian Doctrine II	3
+Theo-381 Christian Teacher's Ministry	2

*Public school candidates may select from the courses below to substitute for Educ-362 and Theo-361 and Theo-362 and the Interpretation course. These substitute courses may not be used to meet general education requirements. These substitute courses may be used elsewhere in the students' education program or in a minor, concentration, subject or field endorsement, or comprehensive subject major. The substitute pool consists of Art-260; Bio-217; Bus-400; Educ-483; Eng-391; Geog-315; HHP-281, 282, 283, 284, 285; Hist-313, 334, 335; Phil-201, 202, 301; Soc-221, 331, 335; Theo-371, 375, 390, 465, 483. Additional courses may be substituted with the approval of the Dean of Education.

3. Middle Level Endorsement 37 hours

Educ-211 Middle Level Seminar I	1
+Educ-311 Middle Level Seminar II	1
*Educ-362 Teaching the Christian Faith	2
+Eng-392 Reading Interests of Adolescents	3
+Educ-401 Middle Level Instruction	3
+Psy-421 Psychology of Adolescence	2
+Educ-470 Content Area Literacy	3
+Educ-425A ESL Foreign Language Instruction, Curriculum, Assessment	3
+Educ-364 Teacher Lab Components for Middle Level (math, soc. st., science)	3
+Psy-422 Psychology & Development of the Young Adolescent	1

Professional Semester

+Educ-402 Middle Level Program & Curriculum	1
+Educ-37x Secondary Methods in Content Teaching. Area I	2
+Educ-37x Secondary Methods in Content Teaching. Area II	2 (except HHP)
+Educ-396a/b Middle Level Student Teaching	10

4. Middle Level Content Teaching Area I 18 hours**

Selected from Art, Business, Health & Physical Education, Language Arts, Mathematics, Natural Sciences, Social Sciences or Spanish

5. Middle Level Content Teaching Area II 18 hours**

Selected from Art, Business, Health & Physical Education, Language Arts, Mathematics, Natural Sciences, Social Sciences or Spanish

+Students must be admitted to the teacher education program prior to enrolling in these courses.

**Some general education courses may meet Content Teaching Area requirements.

MIDDLE LEVEL CONTENT TEACHING AREAS

Underlined courses may also fulfill general education requirements.

Art – 20 hours

Art-103, 203, 243, 325, 301 (2 hrs), two courses from Art-271, 272, 273. Educ-377 is the methods course for Art.

Business Education – 18-19 hours

Bus-121, 261, 281, Econ-101, Bus-325 or 371, Bus-331 or 443. Educ-369 is the methods course for Business.

Health and Physical Education – 22 hours

HHP-181, 268, 291, 365, 366, 383, 471, 480, one activity course chosen from each of the following areas: Team, individual/dual, health & fitness, leisure, aquatics, dance. No methods course is required for Health and Physical Education.

Language Arts – 18 hours

Eng-231, one course from Eng-221, 326, 327, or 328; one course from Eng-341, 342, 343, 362, 363, 364; CTA-151, CTA-203, one course from CTA-154, 211, 225, or 231; Both Educ-371 and 378 are required methods courses. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361-The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 –Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

Mathematics – 18 hours

Math-122, 184, 252, 301, 335, CS-121 or 131. Educ-374 is the methods course for Mathematics.

Natural Sciences – 21-22 hours

Bio-110, Chem-109 or 115, Phys-110, Sci/Geog-281, Sci/Phys-331, Sci/Geog-315. Educ-373 is the methods course for Science.

Social Sciences – 21-24 hours

Hist-115, 131, 132, Hist-313 or 306 & 307, PS-111, Econ-101 or 102, Geog-101 or 102. Educ-372 is the methods course for Social Sciences.

Spanish – 18 hours

Students with no or minimal previous study of Spanish: Span-101, 102, 201, 202, 203, 204; Students with background sufficient to take intermediate-level courses: Span-201, 202, 203, 204, six hours of 300-level courses in Spanish. Educ-367 is the methods course for Spanish.

SECONDARY EDUCATION PROGRAM

The secondary teacher education program consists of the general education component, the professional education core, the secondary education sequence, and field endorsement, comprehensive subject major, or two subject endorsements, and selected electives:

1. General Education		45 hours
2. Professional Education Core		22 hours
	Educ-101 Teaching as a Profession	1
	Educ-201 Introduction to Education	3
	EDPS-210 Educational Psychology and General Methods	2
	*Theo-241/242/251/252 Interpretation Course	3
	+Psy-324 Psychology of Exceptionality	3
	Educ-424 Teaching Diverse Learners	2
	*Theo-361 Christian Doctrine I	3
	*Theo-362 Christian Doctrine II	3
	+Theo-381 Christian Teacher's Ministry	2
3. Secondary Education Sequence		19-23 hours
	+Psy-421 Psychology of Adolescence	2
	+Educ-470 Content Area Literacy	3
	<i>Professional Semester</i>	
	+Educ-301 Principles of Secondary Education	2
	+Educ-367-379 Secondary Methods Courses	2-6
	(a 2-hour course for each field, comprehensive, or subject endorsement – some methods courses are only offered one semester per academic year, check the course offering schedule.)	
	+Educ-385 Secondary Student Teaching	10
4. Field Endorsement		45-64 hours
OR		
Comprehensive Subject Major		45-58 hours
OR		
Two Subject Endorsements		29-61 hours each
5. Electives, if needed, to meet the minimum 128 semester hour requirement.		

+Students must be admitted to the teacher education program prior to enrolling in these courses.

*Public school candidates may select from the courses below to substitute for Theo-361 and Theo-362 and the interpretation course. These substitute courses may not be used to meet general education requirements. These substitute courses may be used anywhere else in the student's education program or in a minor, concentration, subject or field endorsement, or comprehensive subject major. The substitute pool consists of Art-260; Bio-217; Bus-400; Educ-483; Eng-391; Geog-315; HHP-281, 282, 283, 284, 285; Hist-313, 334, 335; Phil-201, 202, 301; Soc-221, 331, 335; Theo-371, 375, 390, 465, 483. Additional courses may be substituted with the approval of the Dean of Education.

NOTE: Students desiring certification at the secondary level must earn a minimum of 15 hours in the professional sequence, including student teaching, and 15 hours in field endorsement area, or nine hours each in a minimum of two subject endorsement areas at Concordia.

All students receiving the Lutheran Teachers Diploma must complete a minimum of six hours of upper level theology (300 or 400 level) courses on Concordia's campus.

SECONDARY FIELD ENDORSEMENTS

Art (K–12 Certification) - 53 hours

Art-103, 145, 161, 190, 203, 205, 210, 223, 235, 243, 271, 272, 273, 301 (2 hours), 315, 325, 345, three hours of art electives. Educ-377 is the methods course for this endorsement.

K-12 endorsements require student teaching at both the elementary and secondary levels.

Health and Physical Education (K–12) – 63-64 hours

One dance class (HHP-153, 155)

One aquatics class (HHP-171-177)

One individual/dual activity class (HHP-134, 135, 152, 154, 156, 157, 158)

One team activity class (HHP-111, 112, 116, 117, 118, 132)

One fitness activity class (HHP-162, 164, 166, 168)

One leisure activity class (HHP-142, 144, 146, 147, 148, 149)

HHP-181, 182, 218 or 248, 238, 258, 268;

Select five classes from: HHP-280, 281, 282, 283, 284, 285, 286, 287, 288, 289;

HHP-291, 365, 366, 383, 385, 389, 399, 395, 465, 471, 480, 481, 484, 486, 491, 493, 494; Bio-243.

Educ-376 is the methods course for this endorsement.

It is advised that students seeking K-12 health and physical education certification add either an additional secondary subject endorsement or an elementary education endorsement.

K-12 endorsements require student teaching at both the elementary and secondary levels.

Industrial Technology Education - 45 hours

VAED-101, 102, 103, 104, 109, 201, 202, 203, 204, 210, 242, 243, 246, 318, 321E, 440A. Offered through a cooperative arrangement with the University of Nebraska-Lincoln. The courses in this endorsement must be taken at UN-L. See the Registrar for more information.

Language Arts - 63 hours

Eng-221, 231, 326 or 327 or 328, 341 or 342 or 343, 362 or 363 or 364, 366, 381 or 382 or 384, 383 or 385, 392, 431, CTA-105, 152 or 231, 153, 200, 211, 225, 232, 233, 241, 373. Select 3 hours from: CTA-203, 302, 306, 333, 400. Students are encouraged to take CTA-226. Educ-371 and 378 are the methods courses for this endorsement. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361 - The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 - Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

Mathematics - 51 hours

Math-184, 186, 252, 284, 322, 332, 333, 335, 365, 382, 384, 475 and CS-131. Nine additional hours from the following: any 300-level mathematics course, excluding Math-301, or any computer science course above CS-131. Educ-374 is the methods course for this endorsement.

Music

Use Bachelor of Music Education program.

K–12 endorsements require student teaching at both the elementary and secondary levels.

Natural Science - 60–63 hours

Students are required to take 18 hours from one of the areas of biology, chemistry, or physics and 15 hours from the remaining two areas.

Bio-111, 112; seven to ten hours from Bio-141, 208, 317, 343, 344, 351.

Chem-115, 116, 231; three to seven hours of 300-level chemistry courses.

Phys-111, 112, 381, 382; three to six hours from Phys-321, 371, 383, 390.

Sci/Geog-281, 315, 381; Sci/Phys-331. Educ-373 is the methods course for this endorsement. Math-184 and 186 are prerequisites for some chemistry and physics courses.

Physical Science - 54 hours

Students will take 18 hours from either chemistry or physics and 15 hours from the other subject.

Phys-111, 112, 381, 382; three to six hours of electives from Phys-321, 371, 383, 390.

Chem-115, 116, 231; three to seven hours of 300-level chemistry courses, Chem-353 & 355 are recommended for four of those hours.

Sci/Geog-281, 315, 381; Sci/Phys-331, Bio-110

Educ-373 is the methods course for this endorsement. Math-184 and 186 are prerequisites for some physics and chemistry courses.

Social Science - 60 hours

History: (21 hours) Hist-115, 131, 132, and 12 hours of upper-level history electives including at least six hours of U.S. history and at least three hours of non-US history.

Cognate area (9 hours) - Choose one of the following:

Sociology/Anthropology: Soc-101 and six hours of sociology electives, excluding Soc-201.

Geography: Geog-101 or 102, six hours of geography electives above the 100 level.

Psychology: Psy-101, 451; Soc-345.

Political Science: PS-111, 211, His-311

Six hours in each of the following social science disciplines, excluding the cognate area:

Geography: Geog-101 or 102, geography elective above the 100 level.

Sociology: Soc-101 and sociology elective, excluding Soc-201.

Psychology: Psy-101 and Psy-451 or Soc-345

Economics: Econ-101, 102

Political Science: PS-111, 211 Hist-311

Six hours of electives from the areas of history, geography, political science, sociology, and anthropology (Soc-201). Educ-372 is the methods course for this endorsement.

COMPREHENSIVE SUBJECT MAJORS

Biology - 57 hours

Chem-115; Sci/Geog-281; Phys-110; Math-122, Bio-111, 112, 122, 208, 243 (or 343 and 344), 317, 345, 351, 399 (2 hours minimum) and 10 hours biology electives from Bio-225, 271, 308, 319, 362, 363, 371, and Chem-345. Note: if students elect to take Bio-343 and 344 in place of Bio-243 only 6 hours of biology electives are required. Educ-373 is the methods course for this endorsement.

Chemistry - 55 hours

Chem-115, 116, 231, 313, 325, 331, 345, 353, 354, 355, 356; Sci-365; Sci/Geog-281; Bio-110; Phys-110; Math-184, 186. Educ-373 is the methods course for this endorsement.

English - 45 hours

Eng-221, 231, two courses from Eng-326, 327, and 328; two courses from Eng-341, 342, and 343; two courses from Eng-362, 363, and 364; 366, select two courses from Eng-381, 382, and 384; Eng-383, 385, 392, 431. Educ-371 is the methods course for this endorsement. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361-The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 –Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

Health and Physical Education – 57-58 hours

HHP 111-177 Basic Instruction Program. One course (.5 hr) will be chosen from each of the following areas: dance, aquatics, individual and dual activities, team activities, fitness activities, and leisure/adventure activities. HHP-181, 182, 218, 238, 248, 258, 268, select four classes from 280, 281, 283, 284, 285, 289; HHP-291, 366, 383, 385, 395, 389 or 399, 471, 480, 481, 484, 486, 491, 493, 494, Bio-243. At least 6 hours (HHP-182 and Bio-243) may be used to count toward general education. HHP/BIO-385 also may count, depending on a student's high school experience. Educ-376 is the methods course for this endorsement.

Physics - 56 hours

Phys-111, 112, 321, 351, 371, 381, 382, 383, 390; Sci-202, Sci/Phys 331, 365; Sci/Geog-281, 381; Chem-115; Bio-110; Math-184, 186. Math-284 and 384 are recommended. Educ-373 is the methods course for this endorsement.

SECONDARY SUBJECT ENDORSEMENTS

Biology - 37 hours

Chem-115; Sci/Geog-281; Phys-110, Bio-111, 112, 122, 208, 243 (or 343 and 344), 317, and 4 hours biology electives from Bio 225, 271, 308, 319, 345, 351, 362, 363, 371, 399. If students choose to take Bio-343 and 344 in place of Bio 243, the 4 hours of biology electives are not required. Educ-373 is the methods course for this endorsement.

Basic Business - 34–35 hours

Bus-121, 122, 261, 281, 300, 325, 331, 446; Econ-101, 102; three hours of electives from Bus-221*, 336, 337, 343, 351, 443. Students must pass a keyboarding competency test as part of Bus-325 and actively participate as a member of the Students in Free Enterprise (SIFE) organization for a minimum of one year. Educ-369 is the methods course for this endorsement. *Bus-221 is a four credit-hour course. Total hours to complete the endorsement will be 35 credit hours for students selecting the course as their elective.

Chemistry - 37 hours

Chem-115, 116, 231, 313, 325, 345, 353; Sci/Geog-281; Bio-110; Phys-110. Educ-373 is the methods course for this endorsement. Math-184 and 186 are prerequisites for some chemistry classes.

Computer Science - 30 hours

CS-131, 141, 231, 251, 261, 334, 344, 351, 361, one course from CS-241, 321, 324, 348, 390. The Computer Science endorsement counts as one of the two subject endorsements required of Secondary Education students but is viewed by the State of Nebraska as a supplemental endorsement. Educ-368 is the methods course for this endorsement.

Drama - 30 hours

CTA-152, 153, 154, 231, 232, 233, 373, Eng-366. Select 6 hours from: CTA-200, 241, 242, 299 (1-3 hrs.), 399 (1-3 hr.), ECTA-350, or Eng- 387. Educ-378 is the methods course for this endorsement.

English - 30 hours

Eng-221, 231, two courses from Eng-326, 327, and 328; 341 or 342 or 343, 362 or 363 or 364, 366 or 381 or 382 or 384, 383 or 385, 392, 431. Educ-371 is the methods course for this endorsement. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361-The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 –Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

English as a Second Language - 27 hours

Modern Foreign Language (6 hours), Eng-231, Eng-391, Eng-392, Educ-425a, Educ-425b, Educ-426, Educ-399.

Geography - 37 hours

Geog-101, 102, 281, and 21 hours of upper-level geography courses from a variety of instructors, three hours of history, and three hours of one social science other than geography (general education courses may fulfill the non-geography requirement). Soc-306 may substitute for a geography course. Educ-372 is the methods course for this endorsement.

Health Education – 35-36 hours

HHP-181, 182; select five classes from: HHP-280, 281, 282, 283, 284, 285, 286, 287, 288; HHP-366, 389, 465, 480, 481, 484, 486, 494; Bio-243.

History - 39 hours

Hist-115, 131, 132; 24 hours of upper-level history electives from both U.S. and non-U.S. history, to include at least nine hours of U.S. history; and a minimum of six hours in two social sciences, normally taken as part of general education. Educ-372 is the methods course for this endorsement.

Mathematics - 36 hours

Math-184, 186, 252, 284, 322, 332 or 333, 335, 348, 365, 382 or 384, 475. Educ-374 is the methods course for this endorsement.

Music - 7–12 Instrumental - 63 hours*

*Includes two hours from methods of secondary music (professional education).

Mu-102, 103, 104, 105, 206, 207, 211, 212, 213, 303, 331, 332; ScMu-262, 263, 264, 265, 317; ChMu 313, 411.

Principal instruments: [orchestral instrument, wind, string, or percussion] 10 hours; pass competency

Keyboard proficiency: zero to four hours; pass keyboard proficiency exam

Voice proficiency: zero to one hour; satisfy level of MuAp-151

Instrumental Ensembles: eight hours; may audit; required in each of eight semesters. At least six semesters must be in the University Symphonic Band; the other two semesters may be in any combination of Symphonic Band, University/Community Band, or Jazz Ensemble.

Educ-375 is the methods course for this endorsement.

Recital Attendance required: see music dept. handbook

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance into that program during their first year at Concordia. See music dept. handbook for admission and retention procedures.

Music - 7–12 Vocal - 61 hours*

*Includes two hours from methods of secondary music (professional education).

Mu-102, 103, 104, 105, 206, 207, 211, 212, 213, 303, 331, 333, 334, 354; ChMu-313, 411.

Principal Instrument: 10 hours; pass competency

Keyboard Proficiency: four hours; pass keyboard proficiency exam

Voice Proficiency: zero to two hours; satisfy level of MuAp-251

Vocal Ensembles: eight hours, may audit; required in each of 8 semesters

Educ-375 is the methods course for this endorsement.

Recital attendance required: see music dept. handbook

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance into that program during their first year at Concordia. See music dept. handbook for admission and retention procedures.

Physical Education - 36 hours

One dance class (HHP-153, 155)

One aquatics class (HHP-171-177)

One individual/dual activity class (HHP-134, 135, 152, 154, 156, 157, 158)

One team activity class (HHP-111, 112, 116, 117, 118, 132)

One fitness activity class (HHP-162, 164, 166, 168)

One leisure activity class (HHP-142, 144, 146, 147, 148, 149)

HHP-182, 218, 238, 248, 258, 268, 291, 383, 385, 395, 399, 471, 491, 493, 494; Bio-243. Educ-376 is the methods course for this endorsement.

Physics - 36 hours

Phys-111, 112, 321, 371, 381, 382, 383, 390; Chem-115; Bio-110; Sci/Geog-281. Educ-373 is the methods course for this endorsement. Math-184 and 186 are prerequisites for some physics classes.

Spanish - 30–36 hours

Span-201, 202, three hours from each of the areas of Spanish conversation, Spanish composition, Spanish or Latin American civilization; six hours of Hispanic literature; 9 -15 hours of electives at the 300 level or above. Students who complete an approved program of study in a Spanish-speaking country can complete this endorsement with 30 hours. Those taking only courses in the U.S. must take six additional hours of electives. Some courses may have to be taken at UNL. Curr-451R and 452R (methods courses) also may have to be taken at UNL.

Speech - 30 hours

CTA-200, 211, 231, 241, 302, 203 or 306, 311,333. Select 6 hours from: 242, 301, 309, 400, ECTA-350. Educ-378 is the methods course for this endorsement.

Theology - 29–30 hours

Rel-121, 131; Theo-381, 382, 450; Theo-363 or 375; Theo-482; one course from Theo-241, 242, 251, 252, 331; two courses from Hist-313, 334, 335, Theo-371, 418. Students have the option of completing Theo-499. Educ-379 is the methods course for this endorsement.

SUPPLEMENTAL SECONDARY ENDORSEMENTS

Students completing Supplemental Secondary Endorsements must also complete two subject endorsements or one field endorsement.

Coaching - 21 hours

HHP-182, 261, 362, 385, 463, 491; Bio-243; one class from HHP-321, 322, 323, 325, 326, 327.

Computer Science - 18 hours

CS-131, 141, 231, 251, 261, 334. Educ-368 is the methods course for this endorsement. The computer science department highly recommends CS-241 and 344.

ELL - 15 hours

Eng-231, Educ-425a/b, Educ-426, Educ-399.

ELEMENTARY and SECONDARY DUAL CERTIFICATION

This option prepares a student to be certified on both the elementary and secondary levels. Normally, a student will follow the regular pattern of whatever program is chosen initially. In addition to this regular pattern, the following courses must be taken to be certified on both levels. The extra student teaching hours must be done in a full-time experience. Dual certification will usually require at least one extra semester. Students selecting this option should confer with the Dean of Education early in the planning process.

Elementary Education Students Desiring Secondary Certification - 25–30 hours

Subject endorsement	6-9 hours
*Secondary Student Teaching	10 hours
Secondary Methods	2-4 hours
Educ-301	2 hours
Educ-470	3 hours
Psy-421	2 hours

It is desirable that a second subject endorsement of 30 hours be completed.

Secondary Education Students Desiring Elementary Certification - 35 hours

Teacher Lab	6 hours
*Elementary Student Teaching	10 hours
Psy-211	2 hours
Art-301	1 hour
Math-301	3 hours
Educ-461	6 hours
Educ-362	2 hours
Educ-425A	3 hours
HHP-363	1 hour
HHP-364	1 hour

*A minimum of ten hours in elementary student teaching and ten hours in secondary student teaching is required for dual certification. Some programs may require additional hours.

LIBERAL ARTS PROGRAMS

General Requirements

The liberal arts programs seek to provide the student an opportunity to make an intelligent selection of vocational goals for service to God and mankind; to study for effective Christian citizenship in all areas of life; and to develop the traits required for Christian leadership, involved community living, and meaningful world membership.

All liberal arts students, regardless of their major, must have at least a 2.000 average in the courses in their major in order to graduate with that major.

The liberal arts program consists of, at a minimum: general education, a major and selected electives to total 128 semester hours distributed as follows:

1. General Education 45 hours

2. Major 30–73 hours

The liberal arts student selects a degree objective, either a Bachelor of Arts or a Bachelor of Science. Within the degree objective selected, the student selects one (or more) majors from the corresponding lists below. Typically the B.A. degree allows more flexibility in coursework outside the major while the B.S. degree has additional coursework focused on the subject matter. Consult with an advisor in the appropriate field to determine which degree is appropriate. Students may earn both the B.A. and B.S. degrees realizing Concordia requires 30 extra credit hours (158 total hours) for a second degree.

3. Minor 15–22 hours

A student may select one or more minors.

4. Electives to reach 128 hours

Completion of 128 semester hours is required for graduation.

BACHELOR OF ARTS MAJORS

Art (Studio)

Arts Administration

Behavioral Science

Biology

Business Administration

Chemistry

Community Health

Communication Studies

Computer Science

Ecclesiastical Arts

English

Environmental Science

Environmental Studies

Fitness Studies

Geography

Graphic Design

History

Journalism and Public Relations

Language and Rhetoric

Mathematics

Music

Natural Science

Physical Science

Physical Science Studies

Psychology

Spanish

Sport Studies

Theatre

Theology

World and Intercultural Studies

BACHELOR OF SCIENCE MAJORS

Accountancy

Biology

Business Administration

Business Communication

Chemistry

Computer Science

Exercise Science

Management Information Systems

Mathematics

Marketing

Physical Science

BACHELOR OF ARTS PROGRAMS

MAJORS

Art (Studio) - 54 hours

Art-103, 203, 205, 210, 213, 214, 215, 223, 235, 243, 271, 272, 273, 315, 325, 345, 425, six hours of art electives.

Arts Administration - 69 hours

Bus-121, 261, 300, 371, 400, Bus-357 or 443, Bus/CTA-385, Bus/CTA-499, CTA-301, ECON-102, Math-122. Choose 36 hours (with a minimum of 5-6 hours in a minimum of 4 tracks) from:

Art History and Theory track: Art-195, 260, 271, 272, 273, 370.

Studio Art track: Art-145, 190, 203, 205.

Literature and Writing track: ENG-select from upper level literature or writing courses.

Music track: Mu-101, 102, 103, 211, 212, 213, 331, 334, 355.

Theatre track: CTA-152, 153, 231, 232, 233, 299, 373, 399.

Behavioral Science - 39 hours

Psy-101; Soc-101, 201, 221, Soc/Psy-306, Soc-345, 361; Math-122; Psy-445, 451; nine hours of electives from the following: upper-level sociology courses; CTA-203, 309, 333; Psy-211, 212, 385, 421, 442.

Biology – (See program options p. 39)

Business Administration – (See program options p. 41)

Chemistry – (See program options p. 45)

Community Health - 58-60 hours

HHP-181, 182, 280, HHP-286 or 287; HHP-290, 389, 398, 465, 480, 482, 484, 486, 488, Bio-243, 444, Bus-281, Bus-309, 351, Gero-401; four hours health topics chosen from: HHP-281, 282, 283, 284, 286, 287, 289; three hours electives chosen from: Psy-442, 451, Soc-221, 331, SW-201.

Communication Studies - 34–38 hours

CTA-203, 211, 241, 300, 302, 306, 309, 333, 399 or 499, 400; six to ten hours from CTA-200, 205, 301, 413, Soc-306, 331, 333, 361, Psy-341, 442, 451, ECTA-350, Psy/Bus-351, Bus-443, Soc-201, 345, Psy-421, 445, SW-201, Theo-485 or other electives in interpersonal, group or family communication.

Computer Science – (See program options p. 46)

Ecclesiastical Arts - 39 hours

Art-103, 145, 203, 205, 260, two courses from Art-271, 272, and 273; 375, 377; Theo-251 or 252, Theo-382 (or approved substitute course); two elective courses from: Art-190, 223, 235, 243, 315, 325, 345, 425.

English - 37 hours

Eng-221, 231, 300, two courses from Eng-326, 327, and 328; 341 or 342 or 343, 362 or 363 or 364, 366, 381 or 382 or 384, 383 or 385, 431, and six hours to be selected from the preceding options and Eng-391, 392, 411, 412. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361-The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 - Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

Environmental Science – 70-72 hours

Core Requirements (52 hrs): Econ-102, Bio-112, 317, Bus-261, 281, Chem-115, CTA-301, CS-121, Geog/ESci-281, 315, 361, Math-122, Phys-110, ESci-351, Bio/ESci-377, ESci-489 and Emphasis area.

Biology Emphasis (19-20 hrs): Bio-111, 122, 222, 345, 351, Bio/ESci-36X (3, may take two), Bio-399, Geog/ESci-461.

Chemistry Emphasis (19-20 hrs): Chem-116, 231; Select remaining hours from: Chem-313, 325, 331, 345.

Geography Emphasis (18 hrs): Select from the following: Geog/ESci-320, 461, Geog-385; UNL consortium courses: Geog-217, 317, 318, 418, 419.

Business/Marketing Emphasis (18 hrs): Art-145, Bus-343, 362, 363, 366, 371, Geog/ESci-461

Natural Resources Emphasis (18 hrs): Geog/ESci-320, 461; 9 hrs from UNL Consortium School of Natural Resources in the following areas: Environmental Studies, Environmental Restoration Science, Fisheries and Wildlife, Grassland Ecology and Management, Natural Resources and Environmental Economics, and Water Science.

Environmental Studies – 52 hours

Econ-102, Bio-112, 317, Bus-261, 281, Chem-115, CTA-301, CS-121, Geog/ESci-281, 315, 361, Math-122, Phys-110, ESci-351, Bio/ESci-377, ESci-489.

Fitness Studies - 64-66 hours

Four fitness courses from HHP 161-169; one team activity course from HHP 111-132, one individual activity course from HHP 134-158, one leisure activity course from HHP 142-149, one aquatic activity course from HHP 171-177, HHP-182, 261, 270, 273, HHP-281 or 286 or 287 or 288, HHP-284, 290, 291, 385, 392, 395, 399, 410, 491, 494, 495, Bio-111 or 112, Bio-243, Bio-444, Chem-109 or 115, Phys-109 or 111, two courses from HHP-312, 471, 488, Bus-261, Gero-401.

Geography - 31 hours

Geog-101 and/or 102, 281, and 15-18 hours of upper-level geography courses, which may include Soc-306 and up to six hours of geography study tours; and six hours of geography courses from a variety of instructors which may include courses taken at the University of Nebraska-Lincoln by consortium arrangement.

Graphic Design - 60 hours

Art-103, 145, 161, 190, 195, 203, 205, 210, select two from 213, 214, 215, 216; Art-271, 272, 273, 280, 303, 351, 365, 403, 451, 489, and two courses from 223, 235, 243, 315, 325, 407, 425.

History - 33 hours

33 hours of history courses, selected from both U.S. and non-U.S. courses.

Journalism and Public Relations - 47 hours

Art-235, CTA-105, 203, 211, 225, 226, 241, 242, 281, 296, 300, 301, 302, 327, 400, CTA-399 or 499, Eng-221 or 326 or 327 or 328. The internship should be taken for three credit hours.

Language and Rhetoric - 36 hours

CTA-203, 211, 241, 300, 302, 311, 400, Eng-221, two courses from Eng-326, 327, and 328, Eng-231 or 431, one course from CTA-200, 225, 306, 333, ECTA-350, and Eng-412.

Mathematics – (See program options p. 48)

Music - 56 hours

Mu-102, 103, 104, 105, 206, 207, 211, 212, 213, 320, 493

Principal Instrument: eight hours, pass competency

Keyboard Proficiency: pass keyboard proficiency exam

Electives in music: six hours

Ensembles: four hours (may audit)

Area of emphasis: select six hours from one of the following areas:

Church Music: ChMu-275, 313, 411 (2 hours each), ChMu-431 (1 hour), Mu-331 (2 hours), MuAp-182 (1 hour)

Conducting: Mu-331, 332, 333 (2 hours each)

General Music: any additional music courses numbered 200 and above

Performance: principal instrument (6 additional hours for a total of 14 hours)

Theory and Composition: ChMu-275, Mu-208, 303, 401 (2 hours each)

Recital attendance required; see music dept. handbook

All students who wish to major in music make formal application for admittance into that program during the semester in which they are enrolled in Mu104, Aural Skills II and Mu105, Music Theory II. Transfer students make application no later than one year after arriving at Concordia. See music dept. handbook for admission and retention procedures.

Natural Science (Comprehensive) - 60 hours

Bio-111, 112, and seven hours of electives from Bio-208, 317, 343, and 351; Chem-115, 116, 231 and three credit hours of 300-level chemistry; Phys-111, 112, 381, 382 and 383; Sci-281 and 331; Math-184 and 186.

Physical Science (Comprehensive) - 59 hours

Physical Science Core: Chem-115, 116, 231, Phys-111, 112, 381; Chem-313, 331, 353, 355, Phys-321, 382, 383, 390, Math-184, 186, 284, 384.

Physical Science Studies - 33 hours

Physical Science Core: Chem-115, 116, 231, Phys-111, 112, 381; Chem-313, Phys-382, 383, Sci-331, Math-184, (prereq. for Phys 381), Math-186 (recommended).

Psychology - 39 hours

Required courses: Psy-101, 241, 306, 341, 421, 442, 445, 451; Soc-345; Math-122; Nine hours selected from the following: Highly

Recommended courses: Bio-207, 243, 371; HHP-480; Psy-406, 422, 481; Soc-331, 333; Theo-483; Suggested courses: Bio-444, HHP-463; other Psy-300- or 400-level.

Spanish - 30–36 hours

Span-201, 202, three hours from each of the areas of Spanish conversation, Spanish composition, Spanish or Latin American civilization; six hours of Hispanic literature; 9–15 hours of electives at the 300 level or above. Students who complete an approved program of study in a Spanish-speaking country can complete this endorsement with 30 hours. Those taking only courses in the U.S. must take six additional hours of electives.

Some courses may have to be taken at UNL.

Sport Studies – 51-57 hours

Core Requirements: HHP-291, 462, 463, 464, 495, Bus-281

Sport Management Emphasis (56): Core requirements, four courses from HHP-111, 112, 116, 117, 118, 132, 135, 154, 156, 157, 166 (athletes may not take the course most closely related to their sport to fulfill this requirement); HHP-396, 399, 491, 492, Econ-101, 102, Bus-121, 122, 261, 351, 362, 443; three hours from Bus-309, 331 or 446. Math-122 recommended for students in this program.

Sport Communication Emphasis (51): Core requirements, four courses from HHP-111, 112, 116, 117, 118, 132, 135, 154, 156, 157, 166 (athletes may not take the course most closely related to their sport to fulfill this requirement); HHP-394, Art-145, 235, CTA-225, 226, 241, 242, 296, 301, Bus-261, 365, HHP-399.

Sport Coaching Emphasis (57): Core requirements, four courses from HHP-111, 112, 116, 117, 118, 132, 135, 154, 156, 157, 166 (athletes may not take the course most closely related to their sport to fulfill this requirement); HHP-182, 261, 273, 281, 285, 298; choose one course from HHP-321, 322, 323, 324, 325, 326, 327; HHP-362, 385, 395, 399, 410, 471, 491, 492, Bio-243 or 343 or 344.

Theatre - 37-44 hours

CTA-152, 153, 154, 203, 211, 232, 233, 241, 300, 302, 373, 400; six to ten hours from CTA-200, 231, 242, 298, 299, 333, 399, 499, and ECTA-350.

Theology - 30 hours

Three hours from Theo-241, 242, 251, 252; three hours from Theo-331, 418 and three hours from Theo-450; three hours from Phil-301, 311, 312, and six hours from Theo-361, 362, 363; six hours from Hist-313, 334, 335, Theo-371, 375; six hours from Theo-382, 385, 390, 460, 465, 482, 483.

World and Intercultural Studies - 45 hours

1. Core Requirements: Three hours of modern foreign language (level determined by student's previous language study in high school and ECTA chairperson), an approved international or intercultural practicum, twelve hours from Geog-102, Soc-201, CTA-333, Theo-390, PS-211, Eng-381 or 382 or 384; Hist-131, 132, Mu-213, HHP-280.
2. Track Requirements: Thirty hours from no fewer than two tracks (21 hours must be taken from courses 300 level or higher). Core courses from above may be used as track electives if they have not been used to fulfill the core requirement. Various study tours for academic credit may be substituted for credit in the major with approval.
Arts, History and Literature track: Art 161, 195, 260, 271, 272, 273, Literature (up to 9 hrs of upper level courses), History (up to 9 hrs of upper level courses), Gero/Eng-411, CTA-153, 151, Mu-211, 212, 213, ChMu-213, 313, 411, Soc-417, Theo-371.

Language Studies track: CTA-203, 302, up to 9 hrs of modern foreign language, up to 9 hrs of Latin, Greek or Hebrew; Eng-231, 431, Phil-201, 202, language study abroad (up to 9 hrs)
Contemporary Issues track: CTA-241, Econ-101, Geog-315, 320, Gero/CTA-413, Gero-400, 414, 419, HHP-280, 282, 480, 484, 486, PS-211, Soc-221, Theo-483.
Social and Regional Studies track: Bio-362, 363, CTA-333, Geog-102, 311, 331, 341, 345, 391, Gero/CTA-205, GS-301, PS-111, Soc-201, 331, 312, 335, 361, Soc-333/Gero-402, Theo-375, 390, Theo-489/GS-401.

MINORS

Minors are available to all students. Minors are not available in an area similar to a student's major.

Accounting - 20 hours

Bus-121, 122, 221, 222, and two accounting electives from Bus-321, 322, 421, 422.

Art - 21 hours

Art-103, 203, 205, 325, 345, and two courses from 271, 272, 273.

Actuarial Science - 18 hours

(see "Actuarial Science Minor" under B.S. in Mathematics)

Biblical Languages - 18 hours

Grk-301, 302; Heb-202, 301, 302; Grk/Heb-401.

Biology - 19 hours

Bio-110 and 15 hours of Biology courses above 112. OR Bio-111, 112, and 11 hours of Biology courses above 112.

Business - 18 hours

Bus-121, 261, 281, 331, 371, one management elective from Bus-343, 345, 351, 443.

Chemistry - 18 hours

Chem-115, 116, 231, and six to eight hours of electives chosen from 300-level chemistry courses.

Communication - 18 hours

CTA-203, 211, 225, 241, and 6 hours from CTA-281, 301, 306, 309, 311, 333, 400, 413, ECTA-350.

Community Health – 22-23 hours

HHP-181, 182, HHP-286 or 287; HHP-288, 484, 486, 488; Bus-281; two to five hours chosen from: HHP-280, 281, 282, 283, 284, 285, 286, 287, 289; zero to three hours of electives chosen from: HHP-290, 465, 480, 482.

Composition and Rhetoric - 21 hours

CTA-225, 302, Eng-221, 231, 328, 431; three hours from: CTA-200, 203, 311, 399, 499, Eng-499, ECTA-350, Phil-201, 202, 301.

Computer Science - 18 hours

CS-131, 141, 231, 241, 251 and 261.

English - 21 hours

Eng-341 or 342 or 343; Eng-362 or 363 or 364; Eng-366 or 381 or 382 or 384; Eng-221 or 326 or 327 or 328; Eng-231; six additional hours of English above Eng-201. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361-The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 - Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

Geography - 19 hours

Geog-101 and/or 102, 281, and nine to twelve hours of geography electives.

Gerontology - 18 hours

Gero-205 or 400; 15 hours from Gero-401, 402 (or Soc-333), 403, 404, 411, 412, 413, 414, 415, 416, 417, 418, 419, 498, and 499. This

minor does not result in a Gerontology certificate.

Graphic Design - 21 hours

Art-103, 145, 190, 203, 280, 303, 365.

Health Education - 18 hours

HHP-181, 182, 366, 481. Two to five hours from the following health topics classes: HHP-281, 282, 283, 284, 285, 286, 287, 288.

Electives (two to five hours) from the following: HHP-480, 484, 486, 494, Bio-243.

History - 18 hours

Hist-115, 131, 132, and six hours of upper level U.S. history electives and three hours of upper level non-U.S. history electives.

Human Performance - 18 hours

One dance class (153, 155); one aquatics class (171–177); one individual/dual activity class (134, 135, 152, 154, 156, 157, 158); one team activity class (111, 112, 116, 117, 118, 132); one fitness activity class (162, 164, 166, 168); one leisure activity class (142, 144, 146); HHP-182, 291; and eleven hours in physical education at the 200 level or higher. At least six hours must be at the 300 or 400 level.

Intercultural Communication - 21 hours

Educ-425A, 425B, 426, CTA 333; six hours from: CTA-203, 306, 400, ECTA-350, Eng-231, 431; three hours of international study experience

Interpersonal Communication - 18 hours

CTA-203, 306, 309, 333; six hours from: CTA-200, 205, 301, 400, 413, Psy/Soc-306, Soc-201, 331, 333, 361, Psy-341, 421, 442, 445, 451, ECTA-350, Bus/Psy-351, Bus-443, SW-201, Theo-485

Journalism and Public Relations - 21 hours

Art-235; CTA-105, 225, 226, 242, 301, 327.

Literature - 18 hours

Eng-341 or 342 or 343; Eng-362 or 363 or 364 or 366; Eng-381 or 382 or 384; Eng-383 or 385; six hours from the preceding options or Eng-391, 392, 399, 411, 499, Grk-301,302, 401, Heb-202, 301, 302, 401, Theo-242, 251, 252, Span-341, 342. [Eng-324 - The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng-361- The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng-387 - Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng-383 or 385).]

Mathematics - 20 hours

Math-184, 186, 252, 322; two courses from Math-284, 332, 333, 335, 382, 384.

Marketing - 18 hours

Bus-261, 362, CTA-301, 3 marketing electives from Bus-363, 364, 366, 368.

Music - 18–22 hours

Mu-102, 103, 104, 105, 211 or 212 or 213; electives: three hours (with department approval); applied music: four hours (in one area); ensembles: four hours (ensembles may be for credit or audit).

Performing Arts - 21 hours

CTA-152, 153, 154, and 373; nine hours from: CTA-231, 232, 233, 241, 242

Philosophy – 15 hours

Phil-301, 311, 312, 319, 499.

Physical Science - 19 hours

Eight hours of general chemistry; eight hours of general physics; Chem-231 and/or Phys-381.

Physics - 18 hours

Phys-111, 112, 381, 382, and 6 hours of Physics course at or above the 200-level.

Religious Education - 15 hours

Educ-201, 362, 424; Psy-210, 451; Theo-450.

Senior Adult Fitness – 21 hours

Gero-205 or 400, 401, 418, HHP-393, 410, 488 and three hours of electives chosen from Bio-371, HHP-312, Gero-403, 417.

Sociology - 18 hours

Soc-101, 331 and 12 hours of sociology electives.

Spanish - 18 hours

Specific courses required to complete this minor will depend on the student's previous course work before entering Concordia. Students with no Spanish background may begin with Span-101. At this time, some courses will have to be taken at other institutions. Contact the Spanish instructor or the Dean of Arts and Sciences to construct a specific sequence of courses.

Sport Management – 21 hours

HHP-396, HHP-462 or Bus-400, HHP-463, 464, 491, 492, 495.

Theology - 11–12 hours

Theo-331 or 450; Hist-313 or Theo-375; Theo-382; Theo-381 or 482.

Writing - 18 hours

CTA-225, Eng-231, 12 hours from Eng 221, 326, 327, 328, 399, 412, 499. Only three hours may be Independent Study.

Youth Ministry - 12 hours

Educ-388; Psy-421; and six hours from Psy-341, 442, HHP-492, Theo-382, 482, and 483.

DEGREE COMPLETION PROGRAM

The degree completion program is an accelerated degree program designed to meet the needs of working adults who are at least 25 years of age and have two or more years of college credit. The program allows students to continue to work full time while attending class one night a week for 22 months. The modular curriculum is designed specifically for adult learners who are motivated and committed to their education. The core curriculum is comprised of 16 modules. Students who complete the program earn a Bachelor of Arts degree. The degree consists of the general education requirements, the management core requirements and the major listed below.

1. General Education 29 hours

(Note: The theology component of the general education curriculum is part of the modular curriculum.)

2. Management Core 30 hours

ORG-301 Group and Organizational Behavior	3
ORG-302 Human Relations & Workplace Diversity	2
ORG-303 Management Concepts	3
ORG-304 Methods of Research and Analysis	3
ORG-305 Senior Thesis, Part I	2
ORG-306 History and Literature of the Old Testament	3
ORG-407 Organizational Communication	3
ORG-411 History and Literature of the New Testament	3
ORG-414 Organizational Ethics	3
ORG-415 Senior Thesis, Part II	2
ORG-416 Ministry in a Changing World	3

3. Major 16 hours

Organizational Management

A B.A. in organizational management is a degree designed to prepare individuals to become effective, ethical managers or supervisors in whatever field they enter.

ORG-408 Accounting for Managers	3
ORG-409 Human Resource Administration	3
ORG-410 Managerial Economics	3
ORG-412 Marketing in a Global Economy	3
ORG-413 Principles of Management and Supervision	4

4. Electives 53 hours

In place of a minor, students are encouraged to select electives that will be useful to them in their present or future work setting.

BACHELOR OF SCIENCE/BACHELOR OF ARTS PROGRAMS

The following majors at Concordia are available with both the Bachelor of Arts degree and the Bachelor of Science degree. Typically the B.A. degree allows more flexibility in coursework outside of the major while the B.S. degree has additional coursework focused on the subject matter. Consult with an advisor in the appropriate field to determine which degree is appropriate.

Students may earn both the B.A. and B.S. degrees realizing that Concordia requires 30 extra credit hours (158 total hours) for a second degree.

BIOLOGY PROGRAM

GOALS AND OPTIONS

The B.S. or B.A. Degree in Biology is designed to enable the student to pursue an in-depth study of science in the area of biology. Upon graduation the student may pursue additional studies in biological sciences, medical professions, environmental science, and other areas. The following majors are to be supplemented with general education, and electives or other coursework to total 128 or more hours.

B.A. MAJOR IN BIOLOGY

- | | |
|----------------------|----------|
| 1. General Education | 45 hours |
| 2. Biology | 36 hours |

Bio-111 General Biology I	4
Bio-112 General Biology II	4
Electives	28

Biology courses chosen in consultation with the student's advisor to include at least nine hours of upper level (300 and 400 level) biology courses; may include Chem-345 Biochemistry.

B.S. MAJOR IN BIOLOGY

Emphasis areas: General Biology, Cell and Molecular Biology, Environmental Biology, Forensic Science, Organismal Biology, Conservation Biology

- | | |
|----------------------|----------|
| 1. General Education | 45 hours |
| 2. Biology Core | 36 hours |

Bio-111 General Biology I	4
Bio-112 General Biology II	4
Bio-208 General Genetics	3
Math-184 Calculus or equivalent	3
Math-122 Introduction to Statistics	3
Phys-111 General Physics I	4
Phys-112 General Physics II	4
Chem-115 General Chemistry	4
Chem-231 Organic Chemistry I	4

3 hrs of biology research (Bio-399 or approved biology internship, Bio-498) 3

- | | |
|--|-------------|
| 3. Biology Emphasis: (Students chose one emphasis below) | 25-27 hours |
|--|-------------|

General Biology Emphasis

Electives from Biology 26

(May include Chem-116, 325, 331, 345). Student and advisor choose electives.

Cellular and Molecular Biology Emphasis

Bio-308 Modern Techniques in Genetics and Molecular Biology	3
Bio-344 Human Anatomy & Physiology II	4
Bio-319 Cell and Molecular Biology	3
Bio-351 General Microbiology	4
Bio-489 Immunology	3
Chem-345 Introductory Biochemistry	4
Additional Electives	6

Organismal Biology Emphasis

Bio-122 General Zoology	3
Bio-345 Midwest Floral I.D.	3
Bio-317 Ecology & Field Biology	3
At least two courses from Bio-222, 225, 362, 363	6
Biology Electives (may include Chem-345)	10

Forensic Science Emphasis

Bio-230 Introduction to Forensic Science	3
Bio-231 Introductory Forensic Science Lab	1
Bio-330 Advanced Forensic Science	3
Bio-308 Modern Techniques in Genetics and Molecular Biology	3
Chem-116 General Inorganic and Qualitative Analysis	4
Chem-325 Quantitative Analytical Chemistry	4
Soc-321 Criminology	3
Additional electives*	6

*May include the following: Bio-222, 317, 319, 345, 351; Chem-313, 331, 345; Geog-361

Environmental Biology Emphasis

Bio-317 Ecology & Field Biology	3
Bio-351 General Microbiology	4
Chem-116 General Inorganic & Qualitative Analysis	4
Chem-325 Quantitative Analytical Chemistry	4
Chem-331 Organic Chemistry II	4
Additional Electives (may include Chem-345)	6

Conservation Biology Emphasis

Bio-317 Ecology & Field Biology	3
Bio-345 Midwest Floral I.D.	3
Bio-377 Honors Biology Conservation Biology	3
One Biology Study Tour (Bio 362 or 363)	3
Sci-315 Environmental Science	3
Supporting courses:	12

CS-121 (or higher level), CTA-211, Econ-101, 102, Eng-221, Geog-102, 361, PS-111, Soc-221, Bus-300
Take a minimum of 12 hours from these courses which also may fulfill general education requirements.

BUSINESS PROGRAM

GOALS AND OPTIONS

The business program is designed to prepare men and women for positions of leadership and responsibility in the business community. The program develops Christian ethical values, provides a broad exposure to the liberal arts and equips students with the analytical, interpersonal and communication skills needed for success in business.

The program provides the student the option to earn a B.A. major in business administration, or a B.S. major in business administration, accountancy, marketing, management information systems, or business communication. The business administration majors are excellent preparation for graduate work in a business discipline or for a wide range of positions in both the profit-seeking and not-for-profit sectors. The larger B.S. major provides more depth, whereas the smaller B.A. major allows students to pursue another liberal arts major or minor, or to more easily complete requirements for other programs. The accountancy major equips individuals for professional accounting careers or for advanced study in public accounting and other related fields. The marketing major prepares students for careers in fields such as advertising, marketing, promotions, public relations, and sales management. The management information systems major is a balanced program of business and computer science courses that prepares individuals for computer-related jobs within a business environment. The business communication major is designed for students who are interested in careers in business writing, media relations and management, advertising, and organizational interaction.

The following majors are to be supplemented with general education, and electives or other coursework to total 128 or more hours. All business students are encouraged to include Soc-101, Psy-101, CS-121, and CTA-211 in their program of studies. Students should also consult with their advisor for selection of other general education courses.

B.A. MAJOR IN BUSINESS ADMINISTRATION

1. General Education 45 hours

2. Business Core 45 hours

Econ-101 Macroeconomics	3
Econ-102 Microeconomics	3
Bus-121 Financial Accounting	3
Bus-122 Managerial Accounting	3
Math-122 Introduction to Statistics	3
Bus-261 Marketing	3
Bus-281 Business Communication	3
Bus-300 Business Law	3
Bus-331 Finance	3
Bus-343 Operations Management	3
Bus-351 Human Resources Management	3
Bus-371 Information Systems	3
Bus-400 Business Ethics	3
Bus-443 Organizational Behavior	3
Bus-446 Administrative Policy	3

3. Business Internship 3 hours

Bus-399 Internship 3

B.S. MAJOR IN BUSINESS ADMINISTRATION

1. General Education 45 hours

2. Business Core 45 hours

Econ-101 Macroeconomics	3
Econ-102 Microeconomics	3
Bus-121 Financial Accounting	3
Bus-122 Managerial Accounting	3
Math-122 Introduction to Statistics	3

	Bus-261 Marketing	3	
	Bus-281 Business Communication	3	
	Bus-300 Business Law	3	
	Bus-331 Finance	3	
	Bus-343 Operations Management	3	
	Bus-351 Human Resources Management	3	
	Bus-371 Information Systems	3	
	Bus-400 Business Ethics	3	
	Bus-443 Organizational Behavior	3	
	Bus-446 Administrative Policy	3	
3. Business Administration			6 hours
	*Bus-345 Management Science	3	
	Bus-399 Internship	3	
4. Business Concentration			12-16 hours
	Accounting Concentration: 4 courses from Bus-221, 222, 321, 322, 421, 422		
	Agribusiness Concentration: AECN-201, 316, 325, 2 courses from AECN-225, 301, 416, 452, 453 (AECN courses taken through consortium agreement at UNL) *Bus-345 not required for Agriculture concentration		
	Communication Concentration: CTA-203, 3 courses from Bus/CTA-309, CTA-241, 301, 306		
	Finance Concentration: 4 courses from Bus-222, 333, 335, 336, 337		
	Information Systems Concentration: Bus-442, CS-131, 141, and 3 hrs of 200-level or above CS		
	Marketing Concentration: Bus-362, 363, 2 courses from CTA-203, 301, Bus-364, 366, 368, 461		

Students may complete more than one concentration after consultation with a business advisor.

Students completing the B.S. degree with the Business Administration major and the Accountancy major must complete a concentration other than accounting.

B.S. MAOR IN ACCOUNTANCY

1. General Education			45 hours
2. Accountancy			72 hours
	Econ-101 Macroeconomics	3	
	Econ-102 Microeconomics	3	
	Math-122 Introduction to Statistics	3	
	Bus-121 Financial Accounting	3	
	Bus-122 Managerial Accounting	3	
	Bus-221 Intermediate Accounting I	4	
	Bus-222 Intermediate Accounting II	4	
	Bus-261 Marketing	3	
	Bus-281 Business Communication	3	
	Bus-300 Business Law	3	
	Bus-321 Cost Accounting	3	
	Bus-322 Advanced Accounting	3	
	Bus-325 Accounting and Information Systems	4	
	Bus-331 Finance	3	
	Bus-343 Operations Management	3	
	Bus-345 Management Science	3	
	Bus-399 Internship	3	
	Bus-400 Business Ethics	3	

Bus-421 Tax Accounting	3
Bus-422 Auditing	3
Bus-443 Organizational Behavior	3
Bus-446 Administrative Policy	3
Accounting Elective	3

B.S. MAJOR IN MARKETING

1. General Education 45 hours

2. Marketing 63 hours

Art-145 Digital Imaging	3
Econ-102 Microeconomics	3
Math-122 Introduction to Statistics	3
Bus-261 Marketing	3
Bus/CTA-281 Business Communication	3
Bus/CTA-362 Advertising and Integrated Marketing Communication	3
Bus-363 Sales and Sales Management	3
Bus-364 Consumer Behavior	3
Bus-366 Marketing Research	3
Bus-368 Internet Business Models	3
Bus-371 Information Systems	3
Bus-400 Business Ethics	3
Bus-442 Information System Design and Development	3
Bus-461 Strategic Marketing	3
CTA-203 Communication Theory	3
CTA-225 Writing and Reporting	3
CTA-226 Journalistic Design *	or
Art-190 Introduction to Graphic Design	3
CTA-241 Mass Media Survey	or
CTA-242 Introduction to Broadcast Journalism *	3
CTA-301 Public Relations	3
CTA-302 Rhetorical Theory	or
CTA-333 Intercultural Communication	3
CTA-499/Bus-399 Internship	3

Bus-121 Financial Accounting and Bus-300 are recommended supplements to the Marketing major. A minor in business or graphic design would also be very desirable.

* CTA-105 is a prerequisite for both CTA-226 and CTA-242. Students must plan for this prerequisite if choosing either or both of those courses.

B.S. MAJOR IN MANAGEMENT INFORMATION SYSTEMS

1. General Education 45 hours

2. Management Information Systems 60 hours

CS-131 Computer Programming I	3
CS-141 Computer Programming II	3
CS-231 Introduction to Computer Systems	3
CS-241 Introduction to Computer Organization	3
CS-251 Introduction to File Processing	3
CS-261 Operating Systems & Computer Architecture	3
CS-344 Data Structures & Algorithm Analysis	3
CS-351 Database Design & Management	3
CS-361 Operating Systems & Computer Architecture II	or

CS-39x Seminar in Computer Science	3
Bus-121 Financial Accounting	3
Bus-122 Managerial Accounting	3
Bus-281 Business Communication	3
Bus-343 Operations Management	3
Bus-345 Management Science	3
Bus-371 Information Systems	3
Bus-400 Business Ethics	3
Bus-442 Information System Design & Development	3
Bus-443 Organizational Behavior	or
Bus-351 Human Resources Management	3
Bus-446 Administrative Policy	3
Math-122 Introduction to Statistics	3

Other recommended courses:

CS-334 Organization of Programming Languages	3
Econ-101 Principles of Macroeconomics	3
Econ-102 Principles of Microeconomics	3

B.S. MAJOR IN BUSINESS COMMUNICATION

1. General Education 45 hours

2. Business Communication 60 hours

Econ-102 Microeconomics	3
Math-122 Introduction to Statistics	3
Bus-121 Financial Accounting	3
Bus-261 Marketing	3
Bus-281/CTA-281 Business Communication	3
Bus-362/CTA-362 Advertising and Integrated Marketing Communication	3
Bus-371 Information Systems	3
Bus-400 Business Ethics	3
Bus-443 Organizational Behavior	or
Bus-351 Human Resources Management	3
Bus-446 Administrative Policy	3
CTA-203 Communication Theory	3
CTA-211 Public Speaking	3
CTA-225 Writing and Reporting	3
CTA-241 Mass Media Survey	3
CTA-301 Public Relations	3
CTA-327 Advanced Writing and Reporting	or
CTA-242 Introduction to Broadcast Journalism *	3
CTA-333 Intercultural Communication	or
CTA-302 Rhetorical Theory	3
Bus-481/CTA-481 Organizational Communication	3
Bus-310/CTA-310 Teams and Team Building	or
Bus-309/CTA-309 Small Group Theory	3
CTA-499/Bus-399 Internship	3

* CTA-105 is a prerequisite for CTA-242. Students must plan for this prerequisite if choosing this course.

CHEMISTRY PROGRAM

GOALS AND OPTIONS

The goal of the chemistry program is to educate and train chemists for work in industry, business, law, academia and the health professions. Upon graduation, the student with a baccalaureate degree in chemistry may pursue employment in a research, synthetic, or quality control chemistry laboratory in academia, industry or government. The student may also pursue graduate or professional studies in any area of chemistry, the physical sciences, or the biomedical sciences.

The curriculum leading to a bachelor of science in chemistry is designed to provide an in-depth study of the field of chemistry. This program is particularly suited for those individuals who wish to pursue graduate work in the chemical, physical or the biochemical sciences.

The curriculum leading to the bachelor of arts degree is designed to provide more electivity in the major and is particularly suited for individuals who wish to have a second major (such as biology) and/or attend medical school, law school, pharmacy school or any other professional school upon completing their chemistry degree.

The following majors are to be supplemented with general education, and electives or other coursework to total 128 or more hours.

B.A. MAJOR IN CHEMISTRY

1. General Education	45 hours
2. Chemistry Core	28 hours
Chem-115 General Chemistry	4
Chem-116 General Inorganic and Qualitative Analysis	4
Chem-231 Organic Chemistry I	4
Chem-353 Physical Chemistry	3
Chem-355 Physical Chemistry Lab	1
Phys-111 General Physics I	4
Math-184 Calculus I	4
Math-186 Calculus II	4
3. Electives	16 hours

Sixteen hours of electives chosen from Chem-313, 325, 331, 345, 354, 356, Phys-112, 211, 212

B.S. MAJOR IN CHEMISTRY

1. General Education	45 hours
2. Chemistry Core	28 hours
Chem-115 General Chemistry	4
Chem-116 General Inorganic and Qualitative Analysis	4
Chem-231 Organic Chemistry I	4
Chem-353 Physical Chemistry	3
Chem-355 Physical Chemistry Lab	1
Phys-111 General Physics I	4
Math-184 Calculus I	4
Math-186 Calculus II	4
3. Chemistry	31-32 hours
Chem-313 Advanced Inorganic Chemistry	3
Chem-325 Quantitative Analytical Chemistry	4
Chem-331 Organic Chemistry II	4
Chem-345 Introductory Biochemistry	4
Chem-354 Physical Chemistry II	3
Chem-356 Physical Chemistry Lab II	1
Phys-112 General Physics II	4
Phys-211 Gen. Physics I Calculus Topics	1
Phys-212 Gen. Physics II Calculus Topics	1
Electives	6 or 7

Electives from Bio-208, CS-131, Chem-399, Math-122, 284, 333, 384

COMPUTER SCIENCE PROGRAM

GOALS AND OPTIONS

The computer science program is designed to provide students with an excellent background to successfully meet current and future challenges in computer-related fields and in many other areas that involve computer applications and technology. The program provides students with a broad background incorporating a strong fundamental foundation with an emphasis on practical applications of theoretical concepts.

The computer science program offers students an opportunity to pursue either a B.S. or a B.A. degree in computer science. The B.S. degree requires a strong background in mathematics and is intended to provide a program that prepares our graduates to be top candidates for a wide variety of professions or to be excellent candidates for graduate work in computer science. The B.A. degree in computer science is intended to provide a complete program in computer science for students who may have interests or strengths in areas other than mathematics and will prepare the students for many of the same opportunities as provided by the B.S. degree as well as prepare them for employment involving computers in fields outside of computer science.

In addition to the B.S. and B.A. degrees in computer science, many students also complete a mathematics and/or a computer science endorsement in the education program to expand their options after graduation.

The following majors are to be supplemented with general education and electives or other coursework to total 128 or more hours.

B.A. MAJOR IN COMPUTER SCIENCE

1. General Education		45 hours
2. Computer Science Core		30 hours
	CS-131 Computer Programming I	3
	CS-141 Computer Programming II	3
	CS-231 Introduction to Computer Systems	3
	CS-241 Introduction to Computer Organization	3
	CS-251 Introduction to File Processing	3
	CS-261 Operating Systems & Computer Architecture I	3
	CS-334 Organization of Program Languages	3
	CS-344 Data Structures & Algorithm Analysis	3
	CS-348 Discrete Structures	3
	CS-361 Operating Systems & Computer Architecture II	3
3. Electives		9 hours
	Nine hours of electives from CS-321, 324, 351, 39x.	

B.S. MAJOR IN COMPUTER SCIENCE

1. General Education		45 hours
2. Computer Science Core		30 hours
	CS-131 Computer Programming I	3
	CS-141 Computer Programming II	3
	CS-231 Introduction to Computer Systems	3
	CS-241 Introduction to Computer Organization	3
	CS-251 Introduction to File Processing	3
	CS-261 Operating Systems & Computer Architecture I	3
	CS-334 Organization of Program Languages	3
	CS-344 Data Structures & Algorithm Analysis	3
	CS-348 Discrete Structures	3
	CS-361 Operating Systems & Computer Architecture II	3
3. Computer Science		30 hours
	CS-321 Numerical Analysis	3
	Math-184 Calculus I	4
	Math-186 Calculus II	4
	Math 252 Mathematical Structures	3
	Math-284 Calculus III	4

Math-322 Foundations of Statistics	3
Math-333 Linear Algebra	3
Electives (from CS-324, 351, 39x)	6

HEALTH AND HUMAN PERFORMANCE PROGRAM

GOALS AND OPTIONS

The exercise science program prepares students for careers in exercise and allied health settings and for entry into graduate professional and academic programs in these fields. Professional graduate studies may include physical therapy, occupational therapy, nursing, entry-level athletic training programs, and others. Students wishing to pursue a graduate degree are encouraged to select a minor or elective courses that, as much as possible, fulfill the entrance requirements of the graduate school(s) they plan to attend.

B.S. MAJOR IN EXERCISE SCIENCE

1. General Education 45 hours

2. Exercise Science 67 hours

Choose two "fitness" activity courses from HHP 161 -169	1
HHP-182 First Aid and CPR	2
HHP-261 Care and Prevention of Athletic Injuries	2
HHP-270 Laboratory Techniques	2
HHP-273 Motor Learning	2
Choose one "Health Topics" course from HHP 281 or 286 or 287 or 288	1
HHP-290 Health Psychology	3
HHP-291 Foundations of Human Performance	2
HHP-312 Exercise Prescription	3
HHP-385 Physiology of Exercise	3
HHP-395 Biomechanics	3
HHP-397 Internship in Exercise Science	3
HHP-399 Seminar in Human Performance	1
HHP-494 Measurement and Evaluation in Human Performance	3
HHP-495 Legal Aspects of Exercise and Sport	3
One course from each area: team, individual, aquatics, leisure	2
Bio-111 or 112 General Biology I or II	4
Bio-343 Human Anatomy I	4
Bio-344 Human Anatomy II	4
Bio-444 Nutrition	3
Chem-115 General Chemistry I	4
Chem-116 General Chemistry II or Chem-231 Organic Chemistry	4
Phys-111 General Physics I	4
Phys-112 General Physics II	4

3. Electives 3-4 hours

HHP-410 Essentials of Strength Training and Conditioning	3
HHP-465 Human Diseases	3
HHP-482 Epidemiology and Data Analysis	3
Math-322 Foundations of Statistics	3
Chem-116 or 231 General Chemistry II or Organic Chemistry	4
Bio-111 or 112 General Biology	4

MATHEMATICS PROGRAM

GOALS AND OPTIONS

The goal of the mathematics program is to provide the student with a foundation in the mathematical sciences. Both Bachelor of Arts and Bachelor of Science degrees are offered. The B.S. degree allows the student more electivity to design a program of study to match the particular interests of the student. Upon graduation the student may continue studies in mathematics or a related area at the graduate level or pursue a career in a mathematics-related area. Some of these related areas include computer science, applied statistics, and actuarial science.

The following majors are to be supplemented with general education and electives or other coursework to total 128 or more hours.

B.A. MAJOR IN MATHEMATICS

1. General Education		45 hours
2. Mathematics Core		27 hours
	Math-184 Calculus I	4
	(Math-184 may be substituted with departmental approval)	
	Math-186 Calculus II	4
	Math-252 Mathematical Structures	3
	Math-284 Calculus III	4
	Math 322 Foundations of Statistics	3
	Math-333 Linear Algebra	3
	Math-384 Differential Equations	3
	CS-131 Computer Programming I	3
3. Mathematics Courses		12 hours
	Math-332, 382, and six hours electives from: Math-318, 321, 323, 335, 365, 475.	

B.S. MAJOR IN MATHEMATICS

1. General Education		45 hours
2. Mathematics Core		27 hours
	Math-184 Calculus I	4
	(Math-184 may be substituted with departmental approval)	
	Math-186 Calculus II	4
	Math-252 Mathematical Structures	3
	Math-284 Calculus III	4
	Math 322 Foundations of Statistics	3
	Math-333 Linear Algebra	3
	Math-384 Differential Equations	3
	CS-131 Computer Programming I	3
3. Mathematics		18 hours
	Math-332 Abstract Algebra OR Math-382 Real Analysis I	3
	Math-475 Mathematical Modeling	3
	Individual Program	12

A minimum of four additional courses from the following:

Math-318, 321, 323, 332, 335, 348, 365, 382; and CS-141. The mathematics department must approve this elective portion of the program.

Sample Individualized Programs:

Student planning to attend graduate school in mathematics: Math-332, 335, 348, 365 and 382.

Student planning to attend graduate school in biometry: Math-318, 321, 323, 382 and CS-141.

Actuarial Science Minor

An actuary is a professional who uses mathematical skills to define, analyze, and solve business and social problems. Actuaries are generally employed in life, health, and casualty insurance companies, consulting firms and government.

The minor in actuarial science is designed to help prepare the student for a career as an actuary. The required courses include the material which is covered in the first examination administered by the national actuarial societies, course 1. The required courses also cover portions of material found on additional examinations. Elective courses may be chosen to prepare the student for additional examinations and future educational pursuits. Ideally, a summer internship would also be part of the student's undergraduate experience.

This minor would usually be taken in conjunction with a major in mathematics or computer science. However, it would also be an option for a student with a strong background in mathematics. Contact the program director for additional information.

Course Requirements: The minor requires a minimum of 18 hours in addition to the prerequisite courses (Math-184, 186, 284, 322, 333; CS-131, 141; Econ-101, 102). Math-321, 323, Bus-121, 281, 331, 336. Electives: Additional mathematics and business courses are encouraged for the student. These would be chosen in consultation with the student's advisor.

PHYSICAL SCIENCE PROGRAM

GOALS AND OPTIONS

The physical science majors are designed to enable students to pursue careers or further study in areas relating to physics and chemistry. These majors are particularly suited for students interested in moving into interdisciplinary scientific fields, such as astronomy or meteorology, or into science-related fields such as science writing or patent law. The program provides students with a strong foundation in the conceptual and technical aspects of the physical sciences, with an emphasis on the connections and relationships between chemistry and physics. Students in the program have the option to earn a B.A. major in physical science studies, a comprehensive B.A. in physical science, or a B.S. in physical science. The B.A. majors are excellent preparation for entry into careers in science-related fields, while the B.S. major provides the more rigorous treatment and mathematical depth appropriate for a career or graduate study in an interdisciplinary scientific discipline. Options available to the student in the B.S. program involve a choice of increased work with advanced laboratory experiments and techniques, a stronger emphasis on chemistry, or a stronger emphasis on physics.

The following majors are to be supplemented with general education and electives or other coursework to total 128 or more hours.

B.A. MAJOR IN PHYSICAL SCIENCE STUDIES

1. General Education		45 hours
2. Physical Science Core		23 hours
	Chem-115 General Chemistry	4
	Chem-116 General Inorganic and Qualitative Analysis	4
	Chem-231 Organic Chemistry I	4
	Phys-111 General Physics I	4
	Phys-112 General Physics II	4
	Phys-381 Modern Physics	3
3. Physical Science Courses		10-18 hours
	Chem-313 Advanced Inorganic Chemistry	3
	Phys-382 Advanced Physics Lab	1
	Phys-383 Introduction to Nuclear and Particle Physics	3
	Sci-331 Descriptive Astronomy	3
	Math-184 Calculus I (prereq. For Phys-381)	(4)
	Math-186 Calculus II (recommended)	(4)

B.A. MAJOR IN PHYSICAL SCIENCE (Comprehensive)

1. General Education		45 hours
2. Physical Science Core		23 hours
	Chem-115 General Chemistry	4
	Chem-116 General Inorganic and Qualitative Analysis	4
	Chem-231 Organic Chemistry I	4
	Phys-111 General Physics I	4
	Phys-112 General Physics II	4
	Phys-381 Modern Physics	3

3. Physical Science Courses		36 hours
Chem-313 Advanced Inorganic Chemistry	3	
Chem-331 Organic Chemistry	4	
Chem-353 Physical Chemistry	3	
Chem-355 Physical Chemistry Lab	1	
Phys-321 Introductory Mechanics	3	
Phys-382 Advanced Physics Lab	1	
Phys-383 Introduction to Nuclear and Particle Physics	3	
Phys-390 Electricity and Magnetism	3	
Math-184 Calculus I	4	
Math-186 Calculus II	4	
Math-284 Calculus III	4	
Math-384 Differential Equations	3	

B.S. MAJOR IN PHYSICAL SCIENCE

1. General Education		45 hours
2. Physical Science Core		23 hours
Chem-115 General Chemistry	4	
Chem-116 General Inorganic and Qualitative Analysis	4	
Chem-231 Organic Chemistry I	4	
Phys-111 General Physics I	4	
Phys-112 General Physics II	4	
Phys-381 Modern Physics	3	
3. Physical Science		36 hours
Chem-331 Organic Chemistry II	4	
Chem-353 Physical Chemistry	3	
Chem-354 Physical Chemistry II	3	
Phys-211 General Physics I Calculus Topics	1	
Phys-212 General Physics II Calculus Topics	1	
Phys-321 Introductory Mechanics	3	
Phys-383 Introduction to Nuclear and Particle Physics	or	
Phys-371 Electronics	3	
Math-184 Calculus I	4	
Math-186 Calculus II	4	
Math-284 Calculus III	4	
Math-384 Differential Equations	3	
Electives from option A, B, or C	3	

Options:

- A: Advanced Labs – Chem-355, 356; Phys-382
- B: Advanced Inorganic Chemistry – Chem-313
- C: Electricity and Magnetism – Phys-390

DIRECTOR OF CHRISTIAN EDUCATION PROGRAM

Concordia prepares Christian educators who equip people of all ages in congregations for their ministries in various contexts. The focus in preparation is on the DCE as instructional leader, educator, consultant, administrator, care action minister, and researcher.

ADMISSION INTO PROGRAM

In either the sophomore year or junior year students are provisionally admitted into the DCE program after meeting the following requirements:

1. completion of an application form, recommendations, and personality instruments;
2. minimum cumulative grade point average of 2.50;
3. successful completion of an interview with a faculty screening committee;
4. minimum theology and DCE sequence grade point average of 2.75.

APPROVAL FOR DCE INTERNSHIP

In the junior or senior year the DCE student is fully admitted into the program and approved for the DCE internship after successful completion of the following:

1. minimum cumulative grade point average of 2.50;
2. minimum cumulative grade point average of 2.75 in DCE course sequence and theology course work;
3. successful completion of Educ-480, Practicum in DCE Ministry;
4. interview with the director of DCE Ministries and successful completion of assigned learning goals.

APPEAL PROCESS

If a student wishes to appeal the decision relative to admission to the program or approval for internship, a written appeal may be addressed to the commissioned ministers appeal committee through the university provost within three months of the decision to deny admission.

Any student who is not satisfied with the decision of the appeal committee may appeal directly to the president of Concordia University.

RECOMMENDATION FOR PLACEMENT

Faculty approval of students for DCE placement is based upon their having:

1. maintained a 2.50 GPA in all courses counted toward graduation;
2. maintained a 2.75 GPA in the DCE course sequence/theology courses;
3. successfully completed Educ-481 (DCE Internship);
4. obtained their advisor's recommendation on the placement form.

DCE PROGRAM CURRICULUM OPTIONS

The following three curriculum options have been developed by the faculty of Concordia. Each program includes at least five years of course work, one of which involves a year-long internship:

DCE with B.S. in ELEMENTARY EDUCATION DEGREE 156 hours

1. General Education	45 hours
2. DCE Sequence	54 hours
Educ-229 Introduction to DCE Ministries	2
Educ-329 DCE Ministries II; The Emerging DCE	2
Educ-484 Confirmation Planning and Implementation	2
Educ-485 Parish Education Program Administration	3
Educ-388 Youth Ministry Theory & Methods	3
Educ-480 Practicum in DCE Ministries	3
Educ-481 Director of Christian Education Internship	24
Educ-483 Leadership Development: Enabling Others to Lead & Teach	3
Psy-341 Group Techniques	3
Psy-442 Introduction to Counseling	3
Theo-450 Understanding and Teaching the Bible	3
Theo-487 Planning Adult Education in the Parish	3
3. Professional Education Core (p. 19)	22 hours
4. Elementary Education Endorsement (p. 19)	35 hours

DCE with B.S. in MIDDLE LEVEL EDUCATION DEGREE 193 hours

1. General Education	45 hours
2. DCE Sequence (same as above)	54 hours
3. Two Content Teaching Areas (CTAs) (p. 23)	18* hours each
4. Professional Education Core (p. 23)	22 hours
5. Middle Level Endorsement (p. 23)	36 hours

* Some general education courses may meet CTA requirements

DCE with B.S. in SECONDARY EDUCATION DEGREE 184-243 hours

1. General Education	45 hours
2. DCE Sequence (same as above)	54 hours
3. Subject Endorsements (2) (p. 28-29) or Field Endorsement (1) (p. 26) or Comp. Subject Major (p. 27)	29–61 hours each 45–64 hours 48–58 hours
4. Professional Education Core (p. 25)	22 hours
5. Secondary Education Sequence (p.25)	18–22 hours

DCE with B.A. DEGREE

161-189 hours

1. General Education		45 hours
2. DCE Sequence (same as above)		54 hours
3. Coursework		
Major: Behavioral Science, Psychology, or Theology		30–56 hours
Educational Ministry Courses		16 hours
Educ-362 Teaching the Christian Faith	2	
Psy-101 Introduction to Psychology	3	
Psy-210 Educational Psychology and Gen. Methods	2	
Theo-241, 242, 251 or 252 Biblical Interpretation	3	
Theo-361 Christian Doctrine I	3	
Theo-362 Christian Doctrine II	3	
DCE Emphasis		16–18 hours
4. DCE EMPHASES (DCE/BA students must choose one of the following):		
Parish Music Emphasis (not to be combined with music major)		18 hours
Mu-102 Aural Skills I	1	
Mu-103 Music Theory I	3	
Mu-104 Aural Skills II	1	
Mu-105 Music Theory II	3	
Mu-331 Basic Conducting	2	
ChMu-313 Christian Hymnody	2	
Theo-382 Corporate Worship	3	
Ensemble or Applied Music	3	
Outreach Emphasis		16 hours
*CTA-211 Public Speaking	3	
*Soc-335 Sociology of Religion	3	
Theo-375 Christian Denominations, Movements, and Contemporary Cults	or	
*Theo-390 World Religions: The Gospel in a Pluralistic World	3	
Theo-385 Parish Visitation and Evangelism	3	
Theo-399 Independent Study in Evangelism Visitation	1	
Theo-460 Factors in Congregational Growth	3	
Family Life Emphasis		18 hours
Psy-211 Child Development and Psychology	2	
Psy-212 Child Development and Psychology: Young Children	or	
Psy-422 Psychology and Development of the Young Adolescent	1	
*Psy-421 Psychology of Adolescence	3	
*Soc-331 The Family	3	
Theo-482 Nurturing Faith	3	
Theo-483 Sexuality and the Family	3	
Theo-485 Family Life Ministry	3	
Youth Emphasis		16 hours
Educ-300 Outdoor Christian Education	2	
Educ-379 Methods in Secondary Religion	2	
Psy-211 Child Development and Psychology	2	
Psy-422 Psychology and Development of the Young Adolescent	1	
*Psy-421 Psychology of Adolescence	3	
*Soc-331 The Family	3	
Theo-485 Family Life Ministry	3	

Pre-Seminary Emphasis** 30 hours

Greek	12
Hebrew	9
Philosophy	6
CTA-211	3

Child Emphasis 17 hours

Educ-300 Outdoor Christian Education	2
Educ-330 Early Childhood Education Foundations and Programs	3
Educ-332 Early Childhood Education Curriculum and Methodology	3
Educ-430 School Community & Parent Involvement	2
Educ-452 Early Childhood Program Organization and Management	3
Psy-211 Child Development and Psychology	2
*Psy-212 Child Development and Psychology: Young Children	1
Psy-422 Psychology and Development of the Young Adolescent	1

Adult Emphasis 18 hours

Psy-401 Psychological Foundations of Teaching and Learning	3
*Psy-451 Personality Theory	3
*Soc-221 Social Problems	3
*Soc-333 Social Gerontology	3
Theo-483 Sexuality and the Family	3
Theo-485 Family Life Ministry	3

Self-Designed Emphasis 16 hours

A student may choose to design an individualized emphasis. The emphasis must meet the following criteria:

- Must be at least 16 hours of upper level coursework (300- or 400- level)
- The emphasis must be directly applicable to the DCE program's roles and sub-roles
- The student must submit a written rationale for the emphasis, stating how it fits traditional DCE ministry roles and including a list of the proposed coursework.
- The emphasis must be approved in writing by the DCE Program Director, the student's advisor, and the chair of the academic department housing the majority of the emphasis courses.
- A minimum of 50% of emphasis hours must be taken at CUNE
- No more than three semester hours can be applied to the emphasis prior to the formal approval of the emphasis
- A copy of the approved plan of study must be filed with the Registrar's Office

*Denotes courses with prerequisites

**If the student plans to attend seminary, internship is waived. The student receives a B.A. without DCE certification. See below for additional information.

Note: All undergraduate students identified as DCEs must complete a minimum of six hours of upper level theology (300 or 400 level) courses on Concordia's campus.

BACHELOR OF MUSIC PROGRAMS

This section covers programs leading to the Bachelor of Music degree. For Bachelor of Arts in music programs see section on Bachelor of Arts-Music Major. For music programs leading to a teaching certificate, see below and also see section on Bachelor of Science in Education programs. For the Certificate in Contemporary Church Music see section on Certificate in Contemporary Church Music.

The requirements for each Bachelor of Music program include the general education requirements and the following. All Bachelor of Music programs require a 2.0 average in the courses listed below, under the student's particular program. For specific questions refer to the music department handbook or speak with the department chair.

All students who wish to receive a Bachelor of Music degree make formal application for admittance into that program during their first year at Concordia. See music dept. handbook for admission and retention procedures.

The Director of Parish Music certificate is available to selected Parish Music students. See the music department for details.

PARISH MUSIC - Organ or Voice

I. General Education		45 hours
2. Major Area		34-35 hours
A. Recital attendance (see music dept. handbook)		
B. Principal instrument (pass competency)		16
C. Secondary areas		
	Mu-493 Senior Project	2
	Ensembles (required in each of 8 semesters)	8
	Instrumental Applied Music (one credit hour, MuAp-100 level or above, from each of: woodwinds, brass, strings, percussion)	4
D. Organ or Voice area		
Organ		
	MuAp-x82 Service Playing	1
	MuAp-x83 Improvisation	1
	MuAp-x84 Organ Accompanying	1
	ChMu-213 Literature of the Organ	1
	ChMu-315 Organ Registration	1
Voice		
	MuAp-x72 Piano Accompanying	1
	Mu-354 Diction	2
	Mu-355 Sacred Vocal Literature	1
3. Supportive Courses		45 hours
	Mu-102 Aural Skills I	1
	Mu-103 Music Theory I	3
	Mu-104 Aural Skills II	1
	Mu-105 Music Theory II	3
	Mu-206 Music Theory III	3
	Mu-207 Music Theory IV	3
	Mu-208 Form	2
	Mu-211 Music History I	3
	Mu-212 Music History II	3
	Mu-213 World Music	3
	Mu-303 Arranging	2
	Mu-320 Seminar in Music	3
	Mu-331 Basic Conducting	2
	Mu-332 Instrumental Conducting	2
	Mu-333 Choral Conducting	2
	Mu-334 Choral Literature	2

Mu-401 Composition	2
ChMu-313 Christian Hymnody	2
ChMu-411 Lutheran Service	2
ChMu-431 Church Music Methods and Administration	1

Recital attendance required; See Music Department Handbook.

MUSIC EDUCATION

*Includes two hours from methods of secondary music (professional education). Students who desire the Lutheran Teacher Diploma must also include the required coursework for that endorsement.

K–12 vocal and instrumental

63 hours music courses plus general education, professional education, and secondary education sequence.

I. General Education	45 hours
2. Performance	26 hours
A. Keyboard proficiency (pass keyboard proficiency exam)	
B. Voice proficiency zero to one hour (satisfy level of MuAP-151)	
C. Recital attendance (see music dept. handbook)	
D. Principal instrument (pass competency)	10
E. Secondary areas	
ScMu-262, 263, 264, 265 Inst Tech (woodwind, brass, percussion, string)	8
Mu-331 Basic Conducting	2
Mu-332 Instrumental Conducting	2
Mu-333 Choral Conducting	2
Instrumental Ensembles (required in each of 8 semesters. At least 6 semesters must be in the University Symphonic Band. The other 2 semesters may be in any combination of Symphonic Band, University/Community Band or Jazz Ensemble.)	8 (may audit)
Vocal Ensembles (required in each of 8 semesters)	8 (may audit)
Mu-493 Senior Project	2
3. Supportive Courses	37 hours
Mu-102 Aural Skills I	1
Mu-103 Music Theory I	3
Mu-104 Aural Skills II	1
Mu-105 Music Theory II	3
Mu-206 Music Theory III	3
Mu-207 Music Theory IV	3
Mu-211 Music History I	3
Mu-212 Music History II	3
Mu-213 World Music	3
Mu-303 Arranging	2
Mu-334 Choral Literature	2
ChMu-313 Christian Hymnody	2
ChMu-411 Lutheran Service	2
ScMu-328 Methods of Elementary Music	2
ScMu-431 Org./Adm. of Elem. & Sec. Music	2
ScMu-317 Instrumental Literature & Development	2
4. Music Education	2 hours
Educ-375 Methods in Secondary Music (professional ed., counted as music credit)	2

BACHELOR OF FINE ARTS PROGRAM

Concordia University offers the Bachelor of Fine Arts degree in studio art, in K-12 education, and in graphic design or illustration.

The Bachelor of Fine Arts degree is the preferred undergraduate degree for those intending to enter professions in art and design. Its emphasis is on the development of skills, concepts and sensibilities essential to professional artists and designers. Whether as creators, scholars or teachers, they must have technical competence, knowledge of art history, an understanding of artistic style, and insight into the role of art and design in peoples' lives. Evidence of these characteristics and potential for their continuing development are implicit in the awarding of the bachelor of fine arts degree.

In order to enter the BFA program in art education or studio art, a student must complete the foundations sequence of the art curriculum with a minimum grade-point average of 2.67 and must pass a portfolio review. Students who desire the Lutheran Teacher Diploma must also include the required coursework for that endorsement.

THE PROGRAM:

The purpose of this program is to prepare professional artists and designers, whether in the role of commercial artist, studio artist or artist teacher.

I. General Education 45 hours

2. Foundations 21 hours

Art-103 Drawing	3
Art-145 Digital Imaging	3
Art-203 Two-Dimensional Design	3
Art-205 Three-Dimensional Design	3
Art-210 Intermediate Drawing	3
Art-213 Advanced Drawing A	2
Art-214 Advanced Drawing B	2
Art-215 Advanced Drawing C	2

3. Art History and Theory 12 hours

Art-161 Visual Studies	3
Art-271 Art History I	3
Art-272 Art History II	3
Art-273 Art History III	3

4. Art Theory 6 hours

Art-370 Studies in Art (course is to be repeated three times) (BFA graphic design students are not required to take these six hours.)	2
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In addition to the foundations, art history and art theory requirements, BFA programs consist of the following courses:

Studio Art

Art-223, 235, 243, 315, 325, 345, 425, 499 (2 hours), nine hours of advanced study in one studio area, art electives to bring the major to a total of 75 hours.

Art Education

Art-190, 223, 235, 243, 301, 315, 325, 345, 425, 499, six hours of advanced study in one studio area, art electives to bring the major to a total of 75 hours. The BFA in art education also requires the Professional Education and Secondary Education Sequence courses listed under the Bachelor of Science in Education Programs and includes required including student teaching at elementary and secondary levels. Students who desire the Lutheran Teaching Diploma must also meet those requirements as listed under the Bachelor of Science in Education Programs.

Graphic Design

Art-190, 195, 280, 303, 351, 352, 365, 403, 407, 451, 452, 489, and 490; Electives - select three courses from Art-223, 235, 243, 315, 325, 345, 425; select one course from Art-224, 320, 353, 390, 399, 495, 499, CTA-241; the major requires 76 hours.

CERTIFICATE IN CONTEMPORARY CHURCH MUSIC

The Certificate in Contemporary Church Music is given in four areas: (1) performance; (2) composition; (3) audio production; and (4) multimedia. To enter the program, students must possess a high school diploma; submit an application, transcripts and recommendations; and be interviewed. An audition is required for entrance to the performance and composition certificate programs, and either an audition or portfolio is required for the multimedia certificate program.

Program requirements (courses with incomplete numbers are under development and do not yet appear in the catalog)

Performance – 23 hours

ChMu-275 Hymn Adaptations I (2) (Prerequisite: Mu-105 with a grade of C or higher)
ChMu-3xx Contemporary Church Music Literature (2)
ChMu-313 Christian Hymnody (2)
ChMu-4xx Capstone project (2)
ChMu-4xx Leadership in Worship Arts (3)
ChMu-411 The Lutheran Service (2)
Mu-102 Aural Skills I (1)
Mu-103 Music Theory I (3)
Mu-104 Aural Skills II (1) Prerequisite: Mu-102 with grade of C or higher
Mu-105 Music Theory II (3) Prerequisite: Mu-103 with grade of C or higher
Mu-252 Five O'Clock Praise Band or Mu-255 Graphictone Ensemble or another approved ensemble (1)
Mu-255 Graphictone Ensemble (1)

Composition – 23 hours

ChMu-195 Improvisation in Worship (1)
ChMu-2xx Recording Music for Ministry (1)
ChMu-275 Hymn Adaptations I (2) Prerequisite: Mu-105 with a grade of C or higher
ChMu-3xx Hymn Adaptations II (2) Prerequisite: ChMu-275 with grade of C or higher
ChMu-4xx Capstone project (2)
ChMu-4xx Leadership in Worship Arts (3)
ChMu-411 The Lutheran Service (2)
Mu-102 Aural Skills I (1)
Mu-103 Music Theory I (3)
Mu-104 Aural Skills II (1) Prerequisite: Mu-102 with grade of C or higher
Mu-105 Music Theory II (3) Prerequisite: Mu-103 with grade of C or higher
Mu-303 Arranging (2) Prerequisite: Mu-105

Audio Production – 13 hours

ChMu-2xx Recording Music for Ministry (1)
ChMu-4xx Capstone project (2)
ChMu-4xx Leadership in Worship Arts (3)
ChMu-411 The Lutheran Service (2)
Mu-2xx Audio Editing (2)
Mu-3xx Audio Engineering Live (1)
Mu-3xx Audio Engineering Recorded (2)

Multimedia – 22 hours

Art-103 Drawing (3)
Art-203 Two-Dimensional Design (3)
Art-205 Three-Dimensional Design (3)
Art-425 Collage and Mixed Media (3) Prerequisites: Art-103, 203, 205
Art-426 Advanced Collage and Mixed Media (2) Prerequisite: Art-425
ChMu-1xx Graphic Tone (2)
ChMu-3xx Multimedia in Worship (1)
ChMu-4xx Capstone project (2)
ChMu-411 The Lutheran Service (2)
Mu-255 Graphictone Ensemble (1)

PRE-SEMINARY PROGRAM

PROGRAM GOALS

Concordia's pre-seminary program prepares students for admission to a theological seminary, where further studies may be pursued leading to the ordained pastoral ministry. A bachelor's degree is required for admission to most seminary programs. Concordia's pre-seminary program is designed to coordinate specifically with the Master of Divinity (ordination track) program of both seminaries of The Lutheran Church—Missouri Synod (LCMS); those seminary programs include four years of post-baccalaureate education (three years of classroom work plus one year of vicarage internship). While designed chiefly with the LCMS student in mind, students of other denominations may profitably participate in many facets of Concordia's pre-seminary program (such students are encouraged to investigate the admission requirements of the seminary associated with their particular interest or denomination).

Concordia's pre-seminary program is rooted in the liberal arts tradition and includes an emphasis in the biblical languages of Greek and Hebrew (LCMS seminaries require biblical language proficiency), along with a background in philosophy and the humanities.

PROGRAM ACADEMICS

Concordia's pre-seminary program offers great flexibility to students at the university to participate in a variety of programs and majors that may suit their particular interests. The program includes ten core courses (30 hours) that will prepare the student well for further seminary training and eventual pastoral service. The pre-seminary core courses are in the following areas:

1. Greek (12 hours): Grk-101, 102, 201, 202;
2. Hebrew (9 hours): Heb-101, 102, 201;
3. Philosophy (6 hours): choose from Phil-201, 202, 301;
4. Public Speaking (3 hours): CTA-211.

It is highly recommended that students *not* begin the pre-seminary core of courses until they have completed their first year in residence at Concordia. Transfer students should consult with the pre-seminary program director to determine the beginning of their enrollment in the pre-seminary core of courses. The above core courses may not be taken on a Pass/No Record basis by students within the pre-seminary program.

Since the pre-seminary program does not constitute a major within a specific academic program, the above core of courses may be taken in conjunction with any other degree program and/or major offered at Concordia. Students may participate in the pre-seminary program within:

1. The Bachelor of Science & Bachelor of Arts/Liberal Arts programs
2. The Bachelor of Science Education programs
3. The Bachelor of Music programs
4. The Bachelor of Fine Arts programs.

Pre-seminary students at Concordia participate in a wide-variety of degree programs, including elementary education, middle level education, secondary education, director of Christian education, business administration, computer science, etc. Adding the pre-seminary core of courses may increase the number of hours in a program beyond the 128 minimum hours required for graduation. Historically, the majority of pre-seminary students have graduated with a Bachelor of Arts/Liberal Arts degree; virtually every liberal arts major has been pursued and proven beneficial in some manner for the pastoral ministry.

ADMISSION INTO THE PROGRAM

There are two levels of admission: provisional and formal.

1. Students apply for provisional admission into the pre-seminary program after completion of 16 hours in residence at Concordia (and in any case, before the end of the first year study). Applications are available from the pre-seminary program director. Provisional admission indicates a student's intent to prepare for seminary studies and initiates provision of services through Concordia's pre-seminary director.
2. Students apply for formal admission into the pre-seminary program during their second year of residence at Concordia. Transfer students entering with more than 32 hours of credit are to apply before the end of their first semester in residence. Formal admission into the program makes a student eligible to receive the pre-seminary church worker scholarship grant offered by Concordia during the junior and senior years of study. To qualify for formal admission into the program, students must:
 - A. have a minimum cumulative grade point average of 2.50;
 - B. submit a completed application form prior to the published deadline;
 - C. successfully complete an interview with the pre-seminary admission committee.

DISMISSAL FROM THE PROGRAM

Students may be dismissed from the pre-seminary program for the following reasons:

1. have a cumulative grade-point average fall below 2.50 for two consecutive semesters;
2. fail to make progress toward completing the pre-seminary core of courses;
3. engage in conduct incompatible with biblical standards associated with the office of the public ministry (see 1 Tim. 3:1-7 and Titus 1:5-9);
4. dismissal from the university.

Dismissal from the program will come only after a formal warning to the student has been issued by the director of the pre-seminary program. Should the student not take timely steps to correct the issues highlighted in the letter of warning, the student will receive a

formal notice of dismissal from the program. Dismissal from the program entails forfeiture of eligibility for the pre-seminary church worker scholarship grant.

APPEAL PROCESS

Students denied formal admission into the program or dismissed from the program may appeal that decision. Appeals must be submitted in writing to the university provost within 15 days of the decision to deny admission or the decision to dismiss from the program. If the student is not satisfied with the decision of the university provost, a further appeal may be made to the university president. There is no provision for appeal beyond the university president.

PROCESS FOR SEMINARY RECOMMENDATION

Students applying for admission to an LCMS seminary are required to obtain a letter of recommendation from the university president. Favorable recommendations will be granted to students who:

1. have been formally accepted into the pre-seminary program and retain good standing within the program;
2. have made substantial progress toward completing the pre-seminary core of courses;
3. receive a positive endorsement from the pre-seminary director;
4. indicate by their past academic performance the ability to complete their prescribed course of study.

Exceptions to these criteria are made on a case-by-case basis by the university president in consultation with the pre-seminary director.

PRE-DEACONESS PROGRAM

The Pre-Deaconess Program is designed to provide interested students the opportunity to earn a Bachelor of Arts or Science degree in preparation for graduate education leading to certification as a Deaconess. The student who completes the Pre-Deaconess Program will have a broad-based liberal arts education which will include an academic major of her choosing supplemented by a core of classes designed to provide a theological/sociological base for further study at the seminary level.

General Education Core	44 hours
Pre-Deaconess Core	30 hours
Major/Minor/Electives	54 hours

Pre-Deaconess Core: 30 hours

Theo-251/2	Interpretation of Pauline Epistles/Gospels	3 hours
Theo-361	Christian Doctrine I	3 hours
Theo-362	Christian Doctrine II	3 hours
Theo-450	Understanding and Teaching the Bible	3 hours
CTA-211	Public Speaking	3 hours
CTA-309	Small Group Theory	3 hours
Soc-331	The Family	3 hours
Psy-442	Introduction to Counseling	3 hours
	Choice from recommended courses	6 hours

Recommended Courses:

Phil-201	History of Philosophical Thought I	3 hours
Phil-202	History of Philosophical Thought II	3 hours
Theo-381	Christian Teacher's Ministry	2 hours
Theo-382	Theology of Corporate Worship	3 hours
Theo-385	Parish Visitation and Evangelism	3 hours
Theo-483	Sexuality and the Family	3 hours
Theo-487	Planning Adult Education in the Parish	3 hours
Soc-221	Social Problems	3 hours
Soc-335	Sociology of Religion	3 hours
Gero-205	Adult Aging and Development	3 hours
Hist-313	Religion and Society in the United States	3 hours
Hist-335	The Renaissance and The Reformation	3 hours
Educ-388	Youth Ministry Theory & Methods	3 hours
Educ-483	Leadership Development	3 hours
Educ-484	Confirmation Planning and Implementation	2 hours
Educ-485	Parish Education Program Administration	3 hours
Grk-101	Greek 1	3 hours
Grk-102	Greek 2	3 hours
Heb-101	Hebrew 1	3 hours
Heb-102	Hebrew 2	3 hours

GERONTOLOGY PROGRAM

PURPOSE

The goal of the Concordia University gerontology and aging studies certificate program is to educate students about lifespan development, later life and their own place in an aging society. The program is designed to prepare students for service and careers in the aging services network (health, medicine, business, volunteer and professional ministries and care-giving services.) No state teacher certification or professional designation is offered with this certificate.

The certificate/academic programs will:

- 1) Deliver a high quality course of study that prepares students for service to mature adults in the church and world.
- 2) Provide mentorship and community for students of gerontology.
- 3) Provide students with a working knowledge base of lifespan development, programs, services and issues in aging policy and ministry.
- 4) Offer opportunities for ministry, practice and research related to the student's professional needs and goals.
- 5) Connect and involve students in the aging services networks in church and society.

The specific goals of the certificate/academic programs in gerontology are:

- 1) To instruct students about lifespan development and individual aging.
- 2) To prepare students for entrance into service to and professions working with mature adults.
- 3) To educate students about an aging society and church as well as the implications that our aging institutions have for ministry, services and policies.
- 4) To encourage and support training, research, programs, services and curricular development in the field of aging.

The gerontology and aging studies program is open to students in Concordia's traditional undergraduate program, the degree completion program, or students only wishing to complete Gerontology coursework. Students may earn the certificate, a minor, or take specific courses of interest.

Traditional undergraduate students earn the certificate by completing the following 24 credit hour program:

Gero or CTA-205, Gero-402 (or Soc-333), Gero-401, 403, 404, 499 (or appropriate major area internship); and 3 hrs from Gero-400, 411, 412, 413, 414, 415, 416, 417, 418, 419, 498; and 3 hrs from Theo-482, 470, 471, 483, 485, 385, HHP-465, 484, 486, Psy-442, 445, Bio-371, 444; SW-201; Educ-428 or an additional gerontology elective.

Degree completion students earn the certificate by completing the following 24 credit hour program:

Gero-402 (or Soc-333), Gero-400, 401, 403, 404, 499 (or appropriate major area internship); and 3 hrs from Gero-411, 412, 413, 414, 415, 416, 417, 418, 419, 498; and 3 hrs from Theo-482, 470, 471, 483, 485, 385, HHP-465, 484, 486, Psy-442, 445, Bio-371, 444; SW-201; Educ-428 or an additional gerontology elective.

All students may earn the minor described on page 30.

PRE-PROFESSIONAL STUDY

Careers in a number of professions may be started at Concordia. A student interested in gaining admission to professional schools such as those listed below should work with their advisor to select courses and follow procedures most helpful in achieving this goal.

The following list includes courses of study in health professions and graduate programs:

Pre-Chiropractic	Pre-Occupational Therapy
Pre-Clinical Laboratory Science	Pre-Optometry
Pre-Clinical Perfusion Science	Pre-Osteopathic Medicine
Pre-Cytotechnology	Pre-Pharmacy
Pre-Dental	Pre-Physical Therapy
Pre-Dental Hygiene	Pre-Physician's Assistant
Pre-Engineering	Pre-Radiation Science Technology
Pre-Law	Pre-Social Work
Pre-Medical	Pre-Veterinary
Pre-Nursing	

Acceptance into professional programs is not automatic and must be initiated by the student; details may be obtained from the student's pre-professional advisor. Listed below are typical minimum requirements based upon programs into which Concordia students have been accepted. Students considering a pre-professional program should carefully study the requirements of any institution to which they intend to apply. In successful preparation for professional programs, most Concordia students complete coursework well beyond the minimum requirements.

Pre-Chiropractic

The minimum is a 3 year program, but most successful applicants have a Bachelor's degree.

Courses include:

Biology-111, 112

Chemistry-115, 116, 231, 331

English-6 hours including at least 3 hours composition

Humanities/Social Sciences-15 hours

Physics-111, 112

Psychology-101

Electives-32 hours

Strongly recommended:

Biology-208, 319, 343, 344, 499 (Immunology)

Business-361

Economics-101

Small business management and medical terminology (available at local community colleges)

Pre-Clinical Laboratory Science

This is normally a three year program.

Courses include:

Biology-111, 112, 208, 351, 499 (Immunology)

Chemistry-115, 116, 231, 345

English-221, 328

Mathematics-122, 132 or greater

Electives-41 hours including broad general education background

Strongly recommended: Biology-343, 344

Recommended: Physics and additional biology and chemistry

Pre-Clinical Perfusion Science

A Bachelor's degree is required for admission to professional programs in this field.

Courses should include:

Biology-111, 112, 343, 344, 351

Chemistry-115, 116, 231, 345

English-221, 328

Mathematics-6 hours, College Algebra or greater

Physics-109, 110, or 111

Social Sciences-6 hours

Pre-Cytotechnology

A Bachelor's degree is required for admission to professional programs in this field.

Courses should include:

Biology-111, 112, 343, 344 and at least 4 hours from the following—Bio122, 208, 271, 308, 319, 351, 499 (Immunology)

Chemistry-115, 116

Mathematics-3 hours (minimum)

Pre-Dental

Normally this is a 4 year program. Many schools will consider admission after three years provided their program pre-requisites have been met, however the majority of applicants to dental school have Bachelor's degrees.

Courses should include:

Biology-111, 112

Chemistry-115, 116, 231, 331

English-221, 328

Physics-111, 112

Pre-Dental Hygiene

This is normally a 2 year program.

Courses should include:

Biology-110,111, or 112 and 343, 344, 351, 444

Chemistry-115, 116

Eng-102

English-221, 328

Humanities/Arts-6 hours

Psychology-101

Social/Behavioral sciences-3 hours

Sociology-101

12 hour series with same course prefix

Pre-Engineering

Students planning to enter the engineering professions should obtain a solid background in mathematics and the physical sciences. In addition to courses in these areas, courses in the social sciences and humanities should be taken.

There are many specialty areas in engineering such as aerospace, agricultural, chemical, civil, electrical, industrial and mechanical. Programs for each of these areas differ among the professional colleges, and students should obtain information from these colleges as well as consulting with the Concordia mathematics and science faculty to plan the appropriate academic agenda. Students can attend Concordia at least two years before continuing their program at a professional college.

Typical programs would be as follows:

TWO-YEAR PROGRAM

Chemical

Math-184, 186, 284, 322, 384

Chem-115, 116, 231, 331

Phys-111, 112, 211, 212

CS-131

Other general education

Non-Chemical

Math-184, 186, 284, 322, 384

Chem-115, 116

Phys-111, 112, 211, 212, 321, 381

CS-131, 141

Other general education

THREE-YEAR PROGRAM

Non-Chemical

Math-184, 186, 284, 321, 322, 333, 384

Chem-115, 116

Phys-111, 112, 211, 212, 321, 371, 381, 382, 383 or 390

CS-131, 141, 324

Other general education

Pre-Law

Most accredited law schools have no specific requirements for a pre-law course, but prefer a bachelor's degree in the liberal arts. A high level of scholarship is expected of students in the pre-law program. During the final year at Concordia pre-law students must take the Law School Admission Test, as well as apply to the law school of their choice. Students should be aware of the recommendations of the law schools to which they might apply.

The Association of American Law Schools considers the prescription of particular courses unwise for a pre-law program. The Association calls attention to the quality of undergraduate institutions which it believes fundamental to the better attainment of legal competence.

Pre-law students meet individually with a pre-law advisor to plan a personalized curriculum for their pre-professional training in law.

Pre-Medical

Normally this is a 4 year program. Some schools will consider admission after three years provided their program pre-requisites have been met, however applicants with a Bachelor's degree are given preference.

Courses should include:

Biology-111, 112, 208, 343, 344

Chemistry-115, 116, 231, 331, 345

English-6 hours including at least 3 hours composition

Humanities and Social Sciences 12-16 hours

Mathematics-122 and 184

Physics-111, 112

Pre-Nursing

Pre-nursing students have two options. They can transfer into a nursing program after two years, having met these requirements. Completion of their nursing program will require an additional 2-3 years. Alternatively, students may complete a Bachelor's degree including these requirements and apply to a 1 year accelerated nursing program.

Courses include:

Biology-110,111, or 112, and 343, 344, 351, 444

Chemistry-115, 116

English-221, 328

Mathematics-122

Psychology-101

Sociology-101, 331

Additional 3 hour elective in Humanities or Social Sciences required

Free electives- 7 to 9 hours

Human Growth and Development (3hr) and Ethics (3hr) (available at local community colleges)

Pre-Occupational Therapy

These are Creighton's requirements and will normally require 2 years.

Recommended courses include:

Creative expression (composition, music, art, speech, drama, etc.)-9 hours

Critical discovery (math, economics, foreign language)-12 hours

Humanities-6 hours

Natural Sciences-15 hours (at least one biology course, and one course with a lab)

Social Sciences/Psychology-12 hours (at least one psychology course)

Theology/Philosophy-6 hours

Pre-Optometry

These are requirements from the ASCO website (www.opted.org/info) which recommends 90 hours. Most successful applicants have a Bachelor's degree. Students should check specific requirements for the schools in which they are interested.

Biology-111, 112, 343, 344, 351
Chemistry-115, 116, 231, 331, 345
English/Speech-6 to 9 hours
Humanities-9 hours
Mathematics-122 and 184
Physics-111, 112
Psychology-101
Social Sciences-9 hours
Electives-6 hours

Pre-Osteopathic Medicine

A Bachelor's degree is required for admission to professional programs in this field.

Biology-111, 112
Chemistry-115, 116, 231, and 331 or 345
English/Speech- 6 hours
Physics-111, 112

Pre- Pharmacy

This is minimally a 2 year program. Most successful applicants have a Bachelor's degree.

Courses include:
Accounting-12 hours
Biology-111, 112
Chemistry-115, 116, 231, 331
Economics-101 or 102
Eng-102
English-6 hours (including composition)
Mathematics-122 and 184
Physics 110 or 111, or Chemistry 325
Psychology/Social Sciences-3 additional hours
Psychology-101
Electives to complete 60 to 63 hours, depending on program. For Creighton, include 6 hours Theology.

Pre-Physical Therapy

This is minimally a 3 year program. Most successful applicants have a Bachelor's degree.

Courses include:
Biology-111, 112, 343, 344
Chemistry-115, 116
English-6 hours (including composition)
Physics-111, 112
3 additional upper level courses in a major area of study
Electives to complete a minimum of 90 hours. For Creighton, include 6 hours Theology.

Concordia University, Mequon, Wisconsin offers a doctorate in physical therapy. This program gives admissions preference to graduates of Concordia University System institutions. Concordia-Mequon has specific course work and application requirements. For additional information visit the DPT Web site at www.cuw.edu/dpt or call 262-243-4248.

Pre-Physician's Assistant

A Bachelor's degree is required for admission to professional programs in this field.

Courses should include:
Biology-111, 112, 343, 344, 351, 499 (Immunology)
Chemistry-115, 116, 231, 345
English-221, 328
Mathematics-122 and 184
Psychology-101, 445, plus an additional 3 hours

Pre-Radiation Science Technology

This is normally a 1-2 year program, depending upon which specific area of the field you desire to enter.

Courses include:

Biology-111 or 112

Chemistry 115

Eng-102

English-221, 328

Humanities/Social Sciences-6 hours

Mathematics-122 and 3 additional hours at level of college algebra or greater

Medical terminology (available at local community colleges)

Physics-111

Electives as required by specific programs

For Radiation Therapy, add Biology-343, 344 and Computer Science 121

Pre-Social Work

The pre-social work program is designed to prepare a graduate for entry into a master of social work (MSW) program. The MSW degree is increasingly becoming the norm and expectation for professionals in the field of social work and social service. The foundation of the pre-social work program is the behavioral science major, enhanced by additional required and supporting courses. Students will receive an introduction to the field of social work along with practical experiences in social service agencies.

Behavioral Science Major	39 hours
SW-201 Introduction to Social Work	3
SW-311 Social Work Internship I	3
SW- 312 Social Work Internship II	3

Supporting courses: A minimum of nine hours selected from the following:

Hist-417, Geog-391, Bio-444, Bus-121, Bus-351, Bus-300, Bus-443, Eng-326, 327, or 328, Span-101, Span-102, Span-201, Span-202. Sociology and psychology courses not used in the behavioral science major may fulfill the supporting courses requirement.

Pre-Veterinary

This is minimally a 2 year program. Most successful applicants have a Bachelor's degree.

Courses include:

Biology-111, 112, 208, 225, 343, 344, 351

Chemistry-115, 116, 231, 331, 345

CTA-211,

English-221, 328

Humanities/Arts/Social Sciences 12 hours

Physics-111, 112

Electives to complete a minimum of 65 hours.

ROTC – Reserve Officers Training Corps – Army and Air Force

Concordia has established agreements with the Departments of Military Science and Aerospace Studies at the University of Nebraska – Lincoln to allow students the opportunity to participate in the Reserve Officers Training Corps (ROTC) programs. Students completing the ROTC program receive a commission as a Second Lieutenant in the United States Army or Air Force.

Both Army ROTC and Air Force ROTC offer generous scholarships and living allowances for contracted cadets. Students may apply for scholarships at any time during their college career. Students may also receive an allowance for textbooks plus a tax-free living allowances when contracting with a ROTC program.

Participation in ROTC while at Concordia will require attending the appropriate courses at the UNL campus. Concordia students are admitted as a visiting student at UNL; tuition for these courses is included in Concordia's tuition. Each semester the student will enroll for one course and a leadership lab. The credit for these courses will be granted as Concordia credit and will apply toward the Concordia Bachelor's degree programs.

Cadets contracting with one of the ROTC programs will be obligated to serve with the Army or Air Force; the length of time and type of service varies based on the program and career field chosen. Both programs allow freshmen and sophomores to participate without commitment.

More details are available in the UNL undergraduate catalog or from the respective programs:

Army: www.unl.edu/armyrotc/ or (402) 472-4269

Air Force: www.unl.edu/afrotc/ or (402) 472-2473

COURSE DESCRIPTIONS

Note: Not all courses will be offered in any given term, semester, or year. Consult your advisor or the registrar for the planned schedule of course offerings (located under "Academics" on Concordia's Web site).

For fee details see Required Fees under Financial Information.

ART

Art-101 Fundamentals of Art (3)

An introduction to art. Emphasizing production of art through the exploration of design elements and principles; interpretation of art through cultural and historical context; investigation of nature and values of art. This course is for students with limited or no previous experience in art. Course fee.

Art-103 Drawing (3)

Foundation in the basic perceptual, expressive and design aspects of drawing; use of various black and white media and diverse subjects.

Art-145 Digital Imaging (3)

Learning to apply the tools of Photoshop software to draw and manipulate computer designs and photographs. Course fee.

Art-161 Visual Studies (3)

An introduction to aesthetics and the functions of art. Emphasis on looking at the visual world and works of art which include the study of form, content, and technique. Contemporary art is compared with historic and traditional applications.

Art-190 Introduction to Graphic Design (3)

Creative development of ideas, effective communication and correct technical reproduction of the graphic design process. Course fee. Prerequisites: Art-103, Art-145, Art-203.

Art-195 The History of Graphic Design (2)

A study of the diverse movements within the fields of painting, sculpture, printing, and photography which comprise the development of the graphic arts from the prehistoric period to the present time.

Art-203 Two-Dimensional Design (3)

Explores the elements and principles of composition, systems of organization, and the exploration of two-dimensional media. This course provides an analysis of the interaction between visual subject matter, form and content.

Art-205 Three-Dimensional Design (3)

An in-depth exploration of part-to-part-to-whole relationships in three-dimensional space. The origins of form and their meanings are also explored. Course fee. Prerequisite: Art-203.

Art-207 Problems in Color (2)

An introduction to the basic color systems. Theories are discussed in class and assigned exercises seek solutions to a variety of problems concerning color systems, phenomena, and effects. Prerequisite: Art-203.

Art-210 Intermediate Drawing (3)

Basic approaches to drawing the human figure; study of form, anatomy and expression. Course fee. Prerequisite: Art-103.

Art-213 Advanced Drawing A (2)

Emphasis is on landscape and still life subject matter; both traditional and experimental approaches will be explored. Prerequisite: Art-210.

Art-214 Advanced Drawing B (2)

Emphasis is on drawing heads and faces—structure, form, expression and experimentation with various styles. Course Fee. Prerequisite: Art-210.

Art-215 Advanced Drawing C (2)

The drawing of human figures is extended to composing them in groups and relating them to various spatial environments. Course fee. Prerequisite: Art-210, Art-214.

Art-216 Advanced Drawing D (2–6)

Students must be registered for this course when one of the other regular Advanced Drawing classes meets. They then concentrate on personal goals and directions developed in consultation with the instructor. Prerequisite: at least two courses selected from Art-213, 214, and 215. May be taken repeatedly for advanced credit.

Art-223 Watercolor (3)

Exploration of the unique properties and potential of the watercolor medium; various styles and techniques. Prerequisite: Art-103.

Art-224 Advanced Watercolor (2-6)

Advanced credit in Watercolor, doing individualized work in consultation with the instructor. Prerequisite: Art-223. May be taken

repeatedly for advanced credit.

Art-235 Basic Photography (3)

The main emphasis and activity will be the production of acceptable pictures through control of light, camera function, film, development, and printing. The majority of the work will be done in black and white with an introduction to digital photography. Course fee.

Art-243 Ceramics (3)

Exploration of a variety of construction methods, including the wheel, and diverse approaches to glazing and firing. Course fee.

Art-244 Advanced Ceramics (2–6)

Advanced credit in Ceramics, doing individualized work in consultation with the instructor. Laboratory fee. Prerequisite: Art-243. May be taken repeatedly for advanced credit.

Art-260 The Christian Faith in Art & Architecture (3)

An exploration of ecclesiastical monuments in art and architecture with special concerns for symbolism, subject matter and contemporary worship environments.

Art-271 Art History I (3)

A historical survey of the art and architecture of European and near Eastern cultures prior to the Renaissance; art of Islam, Oceania and the native arts of the Americas.

Art-272 Art History II (3)

A study of painting, sculpture and architecture from early Renaissance through 19th century styles. The art of the Eastern cultures of China and Japan will also be explored.

Art-273 Art History III (3)

A study of the diverse movements within the fields of painting, sculpture, architecture and photography from the beginning of the 20th century to the present time. Recent developments in art theory will be emphasized.

Art-280 Typography (3)

Learning and applying the principles of good typography on the microcomputer.
Prerequisite: Art-190. Course fee.

Art-299 Special Topic in Art

Art-301 Methods of Art Education (1–2)

Prepares to teach art history, art criticism, art production, and aesthetics in the elementary classroom. Provides opportunity to identify, understand, and evaluate children's art work. Explores two and three dimensional media and the production of an art curriculum. Elementary Education students register for 1 hour, all others register for 2 hours. Prerequisite: Art-101.

Art-303 Layout and Design (3)

Concentrated study in two-dimensional organization using the Macintosh computer and appropriate software as basic tools.
Prerequisites: Art-103, 190, 203. Course fee.

Art-315 Printmaking (3)

Students learn to use selected printmaking techniques such as woodcut, etching, drypoint, aquatint, screen printing. Course fee.
Prerequisites: Art-103 and 203.

Art-316 Advanced Printmaking (2–6)

Students repeating Printmaking for credit will select the process(es) they wish to pursue further. Course fee. Prerequisite: Art-315.
May be taken repeatedly for advanced credit.

Art-320 Digital Drawing (3)

Creating vector graphics on the microcomputer. Course fee. Prerequisite: Art-145.

Art-325 Painting (3)

Exploration of basic technical and expressive possibilities in painting that deal with a variety of problems in basic structure, elements of space, and surface quality. Prerequisites: Art-103 and 203.

Art-326 Advanced Painting (2–6)

Continues Painting. Exploration of experimental painting techniques. Prerequisite: Art-325. May be taken repeatedly for advanced credit.

Art-330 Digital Painting (3)

Learning to apply the tools of pixel-based graphic programs to create artwork on the computer. Course fee. Prerequisite: Art-145.

Art-335 Advanced Photography (2–6)

This course expands the darkroom and technical material introduced in Basic Photography. Advanced black and white darkroom techniques will be presented, working toward the fine print. This includes working with medium format negatives and larger size printing. Students will gain more experience printing color photographs. Advanced studio problems will be presented, emphasizing lighting and studio composition. This course is to be taken as an independent study. Prerequisite: Art-235. May be taken repeatedly

for advanced credit.

Art-341 Advanced Studio Crafts (2–6)

Further exploration of individual expression in studio craft media. Emphasis will be placed on a knowledge and mastery of techniques and ideas necessary for the creation of finished studio work. Course fee. Prerequisite: Art-241. May be taken repeatedly for advanced credit.

Art-345 Sculpture (3)

The various techniques of working with several basic sculpture media such as clay, stone, wood, plaster and metal. Emphasis on three-dimensional design as well as becoming sensitive to quality of materials. Course fee. Prerequisites: Art-103 and 205.

Art-346 Advanced Sculpture (2–6)

Continues Sculpture. An opportunity for an individualized, in-depth exploration of selected aspects of a medium. Course fee. Prerequisite: Art-345. May be taken repeatedly for advanced credit.

Art-351 Illustration 1: Retail Advertising (3)

Exploration in both B/W and limited color illustrations for retail advertising purposes. Illustrations are developed for product advertising, service advertising, promotional advertising for corporations and institutions. Techniques studied include: line art, continuous tone, and limited color continuous tone. Course fee. Prerequisites: Art-103, 203, and 190.

Art-352 Illustration 2 Lifestyle Editorial (3)

Editorial illustration studied in B/W and color techniques with an emphasis on arts, entertainment, travel and leisure activities. Editorial projects include imagery created for lifestyle magazines, books, posters, and other publications. Course fee. Prerequisite: Art-351.

Art-353 Graphic Design Studio (3)

A concentrated study in conceptual and practical problem solving as related to selected areas of professional practice in visual communication: typographic design, interactive media design and development, packaging design, or corporate identity system design. Course fee. Prerequisites: Art 280, 303, 320, 351.

Art-355 Scientific Illustration (3)

A concentrated study in developing skills and techniques with various media that are employed in scientific illustration. May be repeated for credit. Prerequisites: Art-103 and 351.

Art-356 Advanced Scientific Illustration (2–6)

Continued study in the media appropriate for technical illustration. Prerequisite: Art-207 and 355. May be taken repeatedly for advanced credit.

Art-365 Introduction to Interactive Design (2)

Applying the principles of good design on web pages when placing images, text and tables. Prerequisites: Art-190, 145 or permission from the instructor. Course fee.

Art-370 Studies in Art (2)

A sequence of different topics offered each year for third- and fourth-year students in the disciplines of art criticisms, analysis, and aesthetics. Students in the BFA Studio and BFA Art Education programs must take this course three times for a total of six hours.

Art-375 Ecclesiastical Art Studio (3)

Work in conjunction with the Center for Liturgical Arts on projects ranging from stained glass window design to site-specific installation of art or worship accoutrements.

Art-377 Ecclesiastical Art Internship (3)

Internship in the field of Ecclesiastical Arts which would be with one of the following areas: Professional Artist, Church Internship, Architecture Internship.

Art-390 Graphic Design Internship (2-6)

Experience in Commercial Design; practice gained while working in an internship position within a professional graphic design firm. Prerequisites: 20 hours of studio art courses and permission from the art faculty. P/F. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

Art-399 Independent Study (2–6)

Hours and projects by arrangement.

Art-403 Advanced Layout and Design (3)

Students work on a self-directed sequence of advanced layout and design problems under the supervision of an instructor. Course fee. Prerequisite: Art-303.

Art-407 Advanced Graphic Design (3)

Concentrated study in conceptual and practical problem solving as related to visual communication. Course fee. Prerequisites: Art-303, 351, 451.

Art-425 Collage and Mixed Media (3)

A study of the history and theory of collage. Exploration of the unique characteristics and potential of collage; various techniques and

styles for personal expression. Prerequisites: Art-103, 203, 205.

Art-426 Advanced Collage Mixed Media (2–6)

Continues Collage and Mixed Media. Concentrated study to develop competency in skills and expression. Prerequisite: Art 425. May be taken repeatedly for advanced credit.

Art-451 Illustration 3: Social Issue Editorial (3)

Editorial illustration studied in advanced B/W and color illustration techniques with an emphasis on global issues, social consciousness, charities, ministry, and mission-oriented image making. Editorial projects include imagery created for news magazines, books, posters, museums and museum exhibitions. Course fee. Prerequisites: Art-103, 203, 351.

Art-452 Advanced Illustration 4: Sequential Editorial or Retail Content (3)

Editorial or retail illustration studied in advanced B/W and color techniques with an emphasis on developing imagery in a series. Students in this course will pursue a single, semester-long project involving the development of numerous correlated images based on one selected theme. Course fee. Prerequisite: Art-451.

Art-465 Advanced Interactive Design (2–6)

Further application of graphic design principles to the delivery of content in interactive format. This course is designed to build on a student's introductory understanding of the design and implementation of web/multimedia projects. Prerequisites: Art-365, Junior standing or above. Course fee. May be taken repeatedly for advanced credit.

Art-489 Graphic Design Portfolio (1)

A guided plan of study resulting in a professional portfolio and resume. Course fee.

Art-490 Senior Design Studio (3)

An intensive project-based study in the combination of design & illustration as applied to long term/large-scale projects developed by students with peer & faculty review. Prerequisites: Art 280, 303, 351, 352, 403, 451.

Art-495 Graphic Design Practicum (4–6)

Two, three or four students operate a commercial art studio under the guidance of an art instructor. Clients are solicited from the campus and community. To be taken as an independent study course. Prerequisites: senior standing, portfolio presentation, and permission from the Art faculty. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

Art-499 Honors (Senior Show) (2)

The student(s) prepares and displays a one-, two-, or three-person show. Prerequisites: art major, senior standing, and permission of the art faculty.

Art-499 Special Problems in Graphic Design (3)

Arranged for qualified seniors.

BIOLOGY

Bio-110 Principles of Biology (4)

Lecture 3, Lab 2 - A study of general biology: Science as a way of knowing – Scientific methodology and practice, literacy in biological literature and research, study of cells, cell organelles, molecular biology, genetics, systematics, structure and function of plants and animals, reproduction, growth and development, population biology, evolution as a paradigm and ecology. Prerequisites: 1 year of high school biology and chemistry.

Bio-111 General Biology I (4)

Lecture 3, Lab. 2 - A study of general biology: Science as a way of knowing—Scientific methodology and practice; literacy in biological literature and research, study of cells and molecular biology, cell organelles, inclusions, function, and a study of genetics. Prerequisites: a year of high school biology; college chemistry or two semesters of high school chemistry with a grade of B or better.

Bio-112 General Biology II (4)

Lecture 3, Lab 2 - A study of general biology, a continuation of General Biology I: organismic biology, structure and function of plants and animals, reproduction, growth and development, population biology, evolution as a paradigm and ecology. Prerequisites: a year of high school biology or Bio-111, college chemistry or two semesters of high school chemistry with a grade of B or better.

Bio-122 General Zoology (3)

Lecture 2, Lab. 2 - An introductory course in animal biology. This course includes the general biological concepts as they pertain to the animal kingdom.

Bio-141 General Botany (3)

Lecture 2, Lab. 2 - Basic concepts of plant life through a study of the structure, functional form, reproduction and ecology of select plant groups from the plant kingdom.

Bio-207 Human Genetics: Applications and Issues (3)

A study of the basic principles of human genetics, their applications in society, and the issues that arise from these applications.

Bio-208 General Genetics (3)

An overview of genetic principles and their applications to inheritance and to include supportive studies of representative plants and animals. Discussion will include implications for humans. Prerequisite: Bio-111 or instructor's permission.

Bio-217 Community Ecology (3)

Lecture 2, Lab. 2 - A study of ecological principles as applied primarily to the community level. Includes the structure, function, and changes within communities. Trophic function and material cycling, successional changes, and interrelationships among members of the communities. Will include numerous local field trips. Comparisons of communities studied. Prerequisite: Biology on the high school or college level. May not be used to satisfy ecology course requirements for secondary education biology majors or B.S. in biology, can be taken as an elective in those programs. May be used as ecology requirement in elementary education concentration or minor, or as general education science requirement.

Bio-222 Entomology (3)

Lecture 2, Lab. 2 - A survey of the orders of insects; dealing with structure, habitat and life cycles. Laboratory work, collection and identification of local insects.

Bio-225 Vertebrate Anatomy and Morphology (3)

Lecture 2, Lab. 2 - This course provides a background in comparative and functional vertebrate anatomy morphology. Prerequisite: Bio-112 or permission.

Bio-230 Introduction to Forensic Science (3)

Lecture 3 - Survey of the application of science to the law. Topics include pathology, anthropology, chemical analysis of drugs and other evidence, DNA, ballistics, and crime scene investigation. Prerequisites: high school or college level biology, chemistry, **and** physics, or concurrent registration with instructor's approval. Same as Sci-230.

Bio-231 Introduction to Forensic Science Lab (1)

Lab. 2 - Selected introductory laboratory applications in forensic science. Prerequisites: Bio 230 or concurrent registration. Same as Sci-231.

Bio-243 Elements of Human Anatomy and Physiology (4)

Lecture 3, Lab. 2 - A study of the human body, its structure and function. Course will include introduction to the microscopic and gross anatomy of the body, a survey of each body system and the homeostatic mechanisms of the body. Prerequisite: College biology, Chem-109 or equivalent. Course may not be used in biology concentration, or major, or to fulfill requirements for health professional programs.

Bio-271 Introductory Embryology (3)

Lecture 2, Lab. 2 - A study of normal and abnormal development in animals. Comparative studies of representative animals and man. Prerequisite: Bio-111 or Bio-112 or instructor's permission.

Bio-288 Animal Behavior (3)

A study of animal behavior, its theoretical basis, basic concepts, and applications to the interpretation of the natural world. The relationship of animal behavior to the study of man.

Bio-308 Modern Techniques in Genetics and Molecular Biology (3)

An advanced genetics course focusing on modern techniques in genetics and molecular biology. Prerequisite: Bio-208.

Bio-317 Ecology and Field Biology (3)

Lecture 2, Lab. – A field ecology course. Emphasis placed on fundamental ecological concepts with supportive material coming from the literature and field investigations. Prerequisite: Bio-112 or permission.

Bio-319 Cell and Molecular Biology (3)

An introduction to the structure and functions of cells, organelles, and cellular energetics. The study of cytogenetics and the control mechanisms of cellular function. The application of current research to biomedical practice as well as industrial processes. Prerequisites: Chem-345 and eight hours biology on the college level.

Bio-320 Histology (3)

A systematic study of tissues of vertebrates with primary emphasis on humans. An introduction to the technology used to prepare specimens for study. Introduction of histology to medical applications. Prerequisites: College chemistry (Organic Chemistry I recommended), eight hours of biology on the college level.

Bio 324 – The Nebraska Story: Natural History and Writers of Nebraska's Great Plains (3)

See Eng-324.

Bio-330 Advanced Forensic Science (3)

Lecture 2, Lab. 2 – An advanced course focusing on the basic and applied science aspects of forensic science and criminalistics. Prerequisites: Bio-230 and Bio-231.

Bio-343 Human Anatomy and Physiology I (4)

Lecture 3, Lab. 3 - A study of general principles of physiology, cell structure and function, cell metabolism and division. A survey of tissues, integumentary, skeletal, muscle, and nervous system. Prerequisite: Bio-110, 111, or 112, or approval of instructor. Lab required.

Bio-344 Human Anatomy and Physiology II (4)

Lecture 3, Lab. 3 - A survey of the circulatory, respiratory, digestion, excretion, endocrine and reproductive systems. Introduction to nutrition and bio-rhythms. Prerequisite: Bio-110, 111, or 112, or approval of instructor. Bio-343 not necessary. Lab required.

Bio-345 Midwest Floral Identification (3)

Lecture 2, Lab. 2 - The principles of flowering plant classification are studied. Plant family relationships and distributions are emphasized by collection and identification in field and laboratory.

Bio-351 General Microbiology (4)

Lecture 2, Lab. 4 - An introduction to the activities of bacteria and fungi. The laboratory will be concerned with the culture, physiology, and identification of the major groups of microbes. Emphasis is on pure culture technique and diversity of microbes in infection and disease. Prerequisite: 12 hours of biological science; a year of high school chemistry or its equivalent.

Bio-36_ Ecology and Natural History Study Tours (3)

A study tour focusing on the flora and fauna and ecological systems of a biologically unique area. Study tours have and will include trips to Belize, Yucatan Peninsula, Costa Rica, and various regions of the U.S., i.e., Alaska, Hawaii, Deserts of the Southwest, Pacific Northwest, etc. Study tours may take place during Spring Break or Summer School sessions. Permission from the instructor is required. Same as ESci-36_.

Bio-371 The Biology of the Brain (3)

A study of the structure and function of the brain, how the various parts of the brain interact, and implications of brain function.

Bio-377 Conservation Biology (3)

An introduction to the principles and practices of conservation biology. Conservation biology is the discipline in science dealing with the preservation of biodiversity. The preservation of biodiversity requires input from biology, economics, sociology, political science, sociology, and philosophy. Same as ESci-377.

Bio-385 Physiology of Exercise (3)

A course designed to give instruction in the physical processes of the body and how they relate to physical exercise. Applications will be made to areas of teaching and coaching and conditioning of the athletes. Prerequisite: upper level standing; Bio-243, 343, 344 or instructor's approval. Same as HHP-385.

Bio-399 Research in Biology (1-3)

Students will perform biological research under supervision of biology faculty. Prerequisite: Bio-110, 111, or 112 and permission of instructor.

Bio-417 Aging and the Brain (3)

See Gero-417.

Bio-444 Nutrition (3)

A study of nutrients, their chemical structures, digestion, absorption and utilization in the body. The roles of nutrients, recommended allowances, their interactions and the results of deficiencies. Prerequisites: A course in college biology, upper level or graduate standing. May be used as an elective in general education component.

Bio-450 Gross Anatomy I (3)

Lecture 2, Lab. 3 - A comprehensive study in the anatomy of the human being. Emphasis will be placed on the relatedness of structure and function of the musculoskeletal and nervous systems of the body. This course is intended for students in the pre-health professions programs. Course fee. Prerequisites: Bio-343 or 344 and permission of the instructor.

Bio-451 Gross Anatomy II (2-3)

Lecture 2, Lab. 3 - A comprehensive study in the anatomy of the human being. Emphasis will be placed on the relatedness of structure and function of the organ system of the body. This course is intended for students in the pre-health professions programs. Course fee. Prerequisites: Bio-343 or 344 and permission of the instructor.

Bio-465 Human Diseases (3)

See HHP-465.

Bio-489 Immunology (3)

This course details the components and function of the immune system. The generation of white blood cell types from the bone marrow is analyzed. The function of each type of white blood cell in providing resistance to infectious agents including bacteria and viruses is reviewed. Of particular emphasis is the role of chemical agents (cytokines) in initiating and coordinating the immune response. Topics of particular relevance include the genetic inheritance of immunity, the biology of immunodeficiencies, auto-immune diseases, allergies and hypersensitive reactions, vaccines, transplantation, antibody technology, gene therapy, and cancer. Prerequisites: Bio 343 and Chem-345.

Bio 498 – Biology Internship (1-3)

Students gain experience in a biology and/or medical related field by working in an internship position under direct supervision of a biologist and/or medical personnel. Prerequisites: Bio-111, Bio-112, 12 hours of upper level biology courses, Chem-115, Chem-231, or Chem-345, minimum junior standing and permission of the biology faculty. In addition to consulting with Biology faculty, students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required

process.

(Note: This course may serve as an elective in the Bachelor of Science program in Biology. The term facility includes laboratories, research laboratories, clinical settings, field study sites, or other appropriate settings in which research takes place).

Bio-499 Honors Course

Arranged for qualified seniors.

BUSINESS

Bus-121 Financial Accounting (3)

An introduction to the theory, language, and practice of accounting. Major components of the primary financial statements are examined. Emphasis on the uses of financial information.

Bus-122 Managerial Accounting (3)

An introductory course in managerial accounting. Topics include methods of costing, cost-price-volume relationships, flexible budgets, budget variances, capital budgeting decisions, cost allocations. Prerequisite: Bus-121.

Bus-221 Intermediate Accounting I (4)

An in-depth study of financial statements, accounting concepts and principles. Discussion of alternative theoretical views. Current professional pronouncements are examined and generally accepted positions defined. Prerequisite: Bus-121.

Bus-222 Intermediate Accounting II (4)

Continuation of Bus-221.

Bus-261 Marketing (3)

Provides students with a thorough appreciation for the benefits and pitfalls of executing a customer orientation. Using market segmentation; management of mature products and introduction of new products. Developing long-term relationships with customers. Identifying and analyzing possibilities in consumer and industrial markets. Management of the marketing mix including product planning, distribution institutions and activities, promotion and pricing. Prerequisite: Econ-102.

Bus-281 Business Communication (3)

The intense study of business writing and speaking using audience analysis. Implications for organizational communication and structure are considered. Major assignments include writing letters and reports for targeted audiences, analysis of organizational rhetoric as related to those products, self-presentation and audience analysis in interview situations, and editing skills. Prerequisite: Eng-102. Recommended: CTA-211. Same as CTA-281.

Bus-300 Business Law (3)

The course is designed to introduce the student to the rules of law under which the business world operates. It provides the student with a basic understanding of the legal rights and duties which arise from common business transactions. Topics include contracts, personal property, real property, insurance, estates and agency. Prerequisite: Sophomore standing or higher.

Bus-309 Small Group Theory (3)

Analysis and study of theories of small groups, including theories of leadership and the facilitation of groups and group dynamics. Areas of study may include goal setting, cohesion and norms, leadership, problem solving, conflict, and facilitating in groups. Prerequisite: Eng-102. Same as CTA-309.

Bus-310 Teams and Teamwork (3)

This course examines the history and evolution of Team Theory using the Scientific Management approach to the modern theories of the Quality Revolution. Case studies and simulations will be utilized to enhance the learning experience.

Bus-321 Cost Accounting (3)

Determination of product cost, effective cost control. Use of costs in setting budgets. Additional topics include process and job-order costing and inventory control. Prerequisite: Bus-122.

Bus-322 Advanced Accounting (3)

Accounting theory and practice applied to business combinations, multinational accounting, governmental accounting, not-for-profit accounting, partnerships, trusts and estates. Prerequisite: Bus-221, junior standing.

Bus-323 Financial Statement Analysis (3)

Application of concepts from introductory accounting and finance. Ratio analysis, capital budgeting, dividend policy, leverage, and acquisition valuation. Prerequisites: Bus-331 (also listed as Bus-333)

Bus-325 Accounting and Information Systems (4)

Survey of the information systems discipline including accounting systems, information technology, telecommunications and networks, systems design and development and security/privacy issues. Improving organizational effectiveness through appropriate use of information system resources. Prerequisite: Bus-121, sophomore standing.

Bus-331 Finance (3)

Fundamentals of financial management. Policy, methods, institutions, and tools of financial management involved in financing the business organization. Prerequisites: Econ-101, 102, Bus-121.

Bus-333 Corporate Finance (3)

Application of concepts from introductory finance as well as a more thorough investigation of selected topics such as capital budgeting, dividend policy, leverage and acquisition valuation. Prerequisite: Bus-331. (also listed as Bus-323)

Bus-335 Investments (3)

Investments is a course in management of financial assets. Major topics covered include an introduction to investments and the security markets, analysis and valuation of equity securities, issues in efficient markets, fixed income and leveraged securities, derivative products, and international markets. Prerequisite: Bus-331. Independent study only.

Bus-336 Insurance (3)

Designed to familiarize students with risk management, insurance, and career opportunities in the field of insurance. Recognizing and evaluating the property, liability, and personal risks facing businesses, non-profit organizations, government units, individuals, or families. Tools of risk management, selecting and dealing with an insurer, public policy issues. Prerequisite: Bus-331 or concurrent enrollment.

Bus-337 Banking (3)

Designed to familiarize students with banking and career opportunities in the field of banking. The institutional and regulatory context of banking; management goals and performance evaluation; alternative policies for asset and liability management, liquidity and capital adequacy planning. Loan policies for commercial, international, and consumer credit; structuring of domestic and international commercial loans. Prerequisite: Bus-331 or concurrent enrollment.

Bus-339 Personal Finance (2)

A survey course designed for general audiences. Topics include financial planning and management, investments and insurance, retirement and estate planning, and Christian financial management.

Bus-343 Operations Management (3)

A functional study of operational concepts as applied to managing the production of goods and services within a variety of environments such as profit, nonprofit, service and manufacturing-oriented organizations. Prerequisite: Math-122.

Bus-345 Management Science (3)

Introduction to management science, including modeling, linear programming, integer programming, network analysis, waiting line theory, simulation, decision analysis, and inventory models. Prerequisite: Math-122.

Bus-351 Human Resources Management (3)

Knowledge and skill-building for working with people in a business or organization. Business ethics as they relate to Christian principles. Theory combined with applications from psychology and interpersonal communications serve as the focal point of the course. Participants will learn to relate more effectively to others in the work environment. Prerequisite: junior standing.

Bus-362 Advertising and Integrated Marketing Communication (3)

How marketers communicate – advertising, sales promotion, public relations, direct and personal selling, event planning, sponsorships. Setting objectives, message strategy, media strategy, measuring effectiveness. Management of promotional activities: advertising, sales promotion, public relations, direct marketing. Promotional objectives, budgets and strategies; organization of the advertising function; media selection and evaluation; advertising research and message, computer modeling. Prerequisite: Bus-261. Same as CTA-362.

Bus-363 Sales and Sales Management (3)

Planning and implementation of personal selling activities. Sales force management concepts, including: objectives, organization, recruiting, selection, training, development, supervision, motivation, performance evaluation and control. Emphasis on industrial selling. Development of professional selling elements such as understanding buyer behavior, building trust, effective communication, leadership and teamwork skills, and the strategic selling process. Prerequisite: Bus-261.

Bus-364 Consumer Behavior (3)

Studies the 'why' of marketing; why consumers prefer certain products and services. Emphasizes behavioral science concepts in an application-oriented environment as they relate to the process of consumption. Buying behavior and analysis. Perception, motivation, learning, attitude structure and change, social influences and cultural forces relevant to buyer behavior and decision processes. Prerequisite: Bus-261.

Bus-366 Marketing Research (3)

Explores the role of marketing research in analyzing new opportunities in the marketplace through hands-on practice. Effective oral and written communication of research results is stressed. Topics include research study and instrument design, data collection and analysis, primary and secondary data collection, sampling and statistical analysis. Course fee. Prerequisites: Bus-261 and Math-122.

Bus-367 Retail Management (3)

Designed to familiarize students with retail management and career opportunities in the field of retailing. Analysis of retail markets. Formulation of marketing programs in a variety of retail marketing situations. Product, price, communication, and distribution policies. Implementation of strategies. Prerequisite: Bus-261.

Bus-368 Internet Business Models (3)

Overview of the marketing and technical aspects of e-commerce. Introduces the Internet, the World Wide Web, and related technologies as they are used for the marketing, selling, and distribution of goods and services. Students develop an understanding

of opportunities and limitations and how to use these technologies to improve marketing practice. Students are introduced to basic network concepts and protocols; how various markets (consumer, business-to-business, and government) make use of e-commerce. Prerequisite: Bus-261.

Bus-385 Arts Administration (3)
See CTA-385

Bus-371 Information Systems (3)
Survey of the information systems discipline, including information technology, telecommunications and networks, systems design and development, and security/privacy issues. Improving organizational effectiveness through appropriate use of information system resources.

Bus-386 Bio-Fuels Management (3)
See Sci-386.

Bus-399 Internship (1–3)
Students will take an internship as part of their program of studies in business. Students should consult with the director of business and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. P/F.

Bus-400 Business Ethics (3)
A study of Christian ethics and practice in relationship to the conduct of business. Case studies are utilized to give skills in problem analysis and the application of the Christian vision. Prerequisite: junior standing.

Bus-415 Retirement & Lifespan Financial Issues (3)
See Gero-415.

Bus-421 Tax Accounting (3)
Examination of present federal tax laws with reference to accounting principles and procedures applied to the preparation of tax returns of individual and fiduciaries. Topics include gross income, capital gains and losses, non-business deductions, inventories and bad debts. Prerequisite: Bus-221 or permission of instructor.

Bus-422 Auditing (3)
Methods of conducting various audits. Principles and procedures used to determine accuracy and reliability of financial records. Preparation of the audit report. The auditor's certificate. Prerequisite: Bus-221.

Bus-442 Information System Design and Development (3)
The activity of creating a new business information system. Systems investigation, analysis, design, implementation, maintenance and review. Prerequisite: Bus-325 or 371.

Bus-443 Organizational Behavior (3)
A study of human behavior in organizational settings, the interface between human behavior and the organization, and the organization itself. Topics include organizational culture, diversity, gender communication, rewards and punishment, work place design, work teams, conflict management, leadership, total quality management and organizational development. Prerequisite: Junior standing or higher.

Bus-446 Administrative Policy (3)
Designed to give the student practice in integrating the numerous theory courses in all phases of business management. In the role of the top manager, responsible for the total enterprise, the student applies these theories to the solution of problems in practical business cases. Decisions are made to direct the operation of a simulated business in a competitive market. Prerequisite: senior standing.

Bus-461 Strategic Marketing (3)
Familiarizes student with concepts of market analysis and planning of direct practical relevance to the decision-making process. Application of marketing management and strategic concepts in a case problem and market simulation format. Emphasis on marketing planning, implementation of the marketing mix and utilization of market research information. Prerequisite: Bus-261.

Bus-481 Organizational Communication (3)
See CTA-481.

CHEMISTRY

Chem-109 Introductory Chemistry (3)
Lecture 2, Lab. 2 - An introduction to the concepts of inorganic chemistry, the common elements, and their compounds. Selected topics in organic chemistry, polymer science, biochemistry, food chemistry, and fuels chemistry. May serve as a prerequisite for Chem-115. This course is intended for students with little or no previous chemistry experience.

Chem-115 General Chemistry (4)
Lecture 3, Lab. 3 - General principles of chemistry with emphasis on inorganic. Prerequisite: A year of H.S. chemistry or Chem-109.

Chem-116 General Inorganic and Qualitative Analysis (4)

Lecture 3, Lab. 3 - A continuation of general inorganic chemistry and the application of the subject to the fundamentals of qualitative analysis. Prerequisite: Chem-115.

Chem-231 Organic Chemistry I (4)

Lecture 3, Lab. 3 - The compounds of the aliphatic and aromatic series, stressing general principles. The basic understandings in this area, an appreciation of the relation of organic chemistry to daily life. Prerequisite: Chem-115

Chem-313 Advanced Inorganic Chemistry (3)

Lecture 3 - An advanced course with emphasis on inorganic chemistry from the standpoint of the periodic table. Atomic structure, theories of acids and bases, coordination chemistry, chemical bonds, and oxidation potentials. Prerequisites: Chem-116 and Chem-231.

Chem-325 Quantitative Analytical Chemistry (4)

Lecture 3, Lab. 3 - The fundamental principles of gravimetric and volumetric quantitative analysis and including some instrumental analysis. Prerequisite: Chem-116.

Chem-331 Organic Chemistry II (4)

Lecture 3, Lab. 3 - This course, along with Chemistry-231, covers the material typically covered in the first year organic chemistry course. Prerequisites: Chem-116 (or concurrent enrollment) and Chem-231.

Chem-345 Introductory Biochemistry (4)

Lecture 3, Lab. 3 - Introduction to the biochemistry of carbohydrates, fats, proteins and nucleic acids; the metabolism of foods. Prerequisites: Chem-231 and introductory biology.

Chem-353 Physical Chemistry (3)

Lecture 3 - A theoretical study of chemistry dealing with the gaseous, liquid, solid and colloidal states of subdivision, solution, thermodynamics, reaction kinetics, equilibrium, and electrochemistry. Prerequisites: Chem-116, Chem-231 and Math-186 (or concurrent enrollment in Math-186), Phys-111 is recommended.

Chem-354 Physical Chemistry II (3)

Lecture 3 - A continuation of Chem-353, Statistical Mechanics. An introduction to Quantum Mechanics with applications to the structure of atoms and molecules and to spectroscopy. Prerequisites: Chem-116, Chem-231, Math-186. Phys-111 and Math-284 are recommended.

Chem-355 Physical Chemistry Laboratory (1) Lab. 3

Chem-356 Physical Chemistry Laboratory II (1) Lab. 3

Chem-395 Advanced Topics in Chemistry Seminar (3)

Advanced study of the concepts and techniques of an area of chemistry important to the field and outside the content of other chemistry courses. Specific topics will be determined by the instructor and the students, and may include Instrumental Analysis, Theoretical Chemistry, Chemical Synthesis, or Physical Biochemistry. Prerequisites: Upper-level standing in chemistry or approval of the instructor.

Chem-399 Chemistry/Biochemistry Internship (3)

Students gain experience in a chemistry and/or biochemistry-related field by working in an internship position under the direct supervision of a chemist and/or a biochemist. Students should consult the Chemistry faculty and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. Prerequisites: Bio-111, Bio-112, Chem-115, Chem-116, Chem-231, Chem-325, Chem-331, minimum junior standing and permission of the chemistry faculty.

COMMUNICATION AND THEATRE ARTS

CTA-105 Introduction to Communications Technology (3)

Students will gain an introduction to hardware and software used by communications professionals for digital photography, desktop publishing, audio editing and video editing. Is a prerequisite for CTA-226 and 242.

CTA-151 Introduction to Dramatic Arts (3)

An introduction to the appreciation of theatre as an international art form which reflects cultural values. Students increase their critical and analytical abilities by reading about theatrical production, and reading, viewing, and performing dramatic literature. They also participate in the production of theatre in an eight-hour lab.

CTA-152 Basic Acting Technique (3)

An introductory acting course which enhances students' communication skills through the study of physical, vocal, analytical and intuitive techniques used in creating a character for theatrical performance.

CTA-153 Theatre History (3)

A survey class that begins with ritual drama and selective Egyptian, Greek and Roman developments of dramatic form. It will include Medieval and Renaissance drama, Neoclassicism, Romanticism, Realism and other twentieth century genres and styles as they occur in Western Europe and the United States. Contributions of selected Asian and African theatre forms and Native American dance drama will be also introduced.

CTA-154 Creative Drama (3)

Dramatic exercises and improvisation for personal development and procedures for leading creative drama in classroom, parish, and other group settings.

CTA-200 Forensics (3)

An overview of competitive speech events, argumentation, debate and practice. Students are required to prepare for competitive speaking and will study issues related to practice, coaching, research, budgeting and tournament administration and practice.

CTA-203 Communication Theory (3)

Course features an overview of communication theory from the classical tradition to current theoretical approaches in human communication. In addition, the course will offer in-depth study in one of the following areas: instructional communication, organizational communication, mass communication theory, interpersonal communication and rhetorical theory. Special topics will be announced by the instructor prior to registration in accord with the instructor's special interests and in consultation with prospective registrants. Location, analysis and application of research is a focus of the course. Prerequisite: Eng-102.

CTA-205 Adult Development and Aging (3)

This course provides students with an overview of adult lifespan development from a psychological and communicative perspective as well as an introduction to aging studies overall. The course is offered as an elective to students in BA programs and to students in gerontology areas. Same as Gero-205.

CTA-211 Public Speaking (3)

Students develop fundamental skills in the art of public speaking through the preparation and presentation of speeches designed for a variety of occasions, audiences, and situations. Skills of organization, delivery, and speech criticism developed. Included also is a study of the rules of parliamentary procedure that govern effective group leadership. Prerequisite: Eng-102 or one year of classroom public speaking in high school.

CTA-225 Writing and Reporting (3)

Students will learn about the principles and techniques of news gathering and writing by reporting on stories of interest to the campus community. Students will also explore ethical guidelines and legal issues of contemporary journalism. Prerequisite: Eng-102.

CTA-226 Journalistic Design (3)

Working in a laboratory setting, students will learn to apply rhetorical concepts and design principles in the production of communication pieces for various media. Special emphasis will be placed on newspaper design. Prerequisite: CTA-105.

CTA-231 Oral Interpretation (3)

Development of vocal and physical communication skills through the analysis and performance of literature. Students perform prose, poetry, drama, and non-fiction sources.

CTA-232 Costume and Makeup Design (2)

This course teaches the principles and elements of costume design and provides instruction in basic stage makeup techniques such as aging, character makeup and stylized makeup.

CTA-233 Stage Scenery, Lighting and Sound (4)

This class offers organized study of basic stage scenery design principles and set construction techniques. Students learn the basics of stage lighting design theory and the safe placement and circuiting of stage lighting. Students also study basic principles of sound amplification in a theatre setting and copyright laws concerning sound design. Students in these classes may assist with the current production(s) as class projects, but the course content is consistent from semester to semester.

CTA-241 Mass Media Survey (3)

Studies in print and electronic media as forces affecting the individual and society. Research projects and student media presentations enable the student to explore and experience techniques of mass media and assess their impact.

CTA-242 Introduction to Broadcast Journalism (3)

Students will learn about principles and techniques of preparing news programming for radio and television. Students will explore ethical and legal issues unique to broadcast journalism. Prerequisite: CTA-105.

CTA-281 Business Communication (3)

See Bus-281.

CTA-296 Journalism Practicum (1)

Working on the staff of the student newspaper, students will utilize their reporting, writing, design and/or photographic skills. The course is required for the Journalism/Public Relations emphasis in the Communication major and for the Journalism and Public Relations minor. Prerequisite: CTA-225, CTA-226 or Art-235. P/F.

CTA-298 Forensics Practicum (1)

Interscholastic speech competition including: literary interpretation, public address, parliamentary debate, Lincoln-Douglas Debate (NFA Policy Debate), and other events in competitive speaking. The course may be used for up to three hours in a communication major, although the course may also be taken for additional free elective hours. Prerequisite: Permission of the instructor.

CTA-299 Theatre Practicum (1)

Direct experience in play production in acting, assistant directing, theatre management or technical theatre design or construction. Students receive one credit per semester for 40 hours of participation in campus productions. The course may be used for up to three hours in a communication major or for General Education Fine Arts credit, although the course may also be taken for additional free elective hours. Registration does not guarantee an acting role, but all students who register will be given opportunities to earn credit in areas of technical theatre production.

CTA-300 Placement Seminar (1)

The course includes resume and portfolio creation, attendance at professional placement seminars, mock interviews, meetings with field professionals and internship applications and searches. Prerequisite: upper-level standing or permission of department chair. Also offered as Eng-300 Placement Seminar.

CTA-301 Public Relations (3)

An exploration of the diverse field of public relations, as it is practiced in large corporations, small businesses, educational institutions and church-related organizations. Students will examine the role, methods and ethical considerations of the profession.

CTA-302 Rhetorical Theory (3)

An overview of the historical development of rhetoric and rhetorical theory beginning with the ancients and continuing into the contemporary period. Topics include: Greek, Roman, and other European traditions in rhetoric as well as contemporary issues in rhetoric including minority contributions to rhetoric, the development of current speech and composition theory, and future trends in rhetorical study. Prerequisite: Eng-102

CTA-306 Interpersonal Communication Theory (3)

In-depth work and analysis of communication theory in interpersonal communication. Areas of study may include relationship development and maintenance strategies, nonverbal communication in relationships, interpersonal settings and context, theories of the self and interpersonal relationships, and critical theory in interpersonal communication study. Prerequisite: Eng-102.

CTA-309 Small Group Theory

See Bus-309.

CTA-311 Persuasion, Argumentation and Debate (3)

Analysis and application of the ways in which beliefs, values, attitudes, and behavior are deliberately influenced through communication. Areas of study include debate and argumentation, logic, persuasion, propaganda campaigns in both written and oral forms. Formalized debates and public speeches are among class activities. Prerequisite: CTA-211.

CTA-385 Arts Administration (3)

An overview of the field of arts administration, including curation, development, public relations and education. Same as Bus-385.

CTA-327 Advanced Writing and Reporting (3)

A deeper exploration of the topics introduced in CTA 225. Students will study several areas of news coverage and produce stories for the campus newspaper or other publications. Prerequisite: CTA 225.

CTA-333 Intercultural Communication (3)

The study of cultural practices that influence the exchange of meaning between individuals and groups of differing cultural/racial backgrounds. The course is designed to provide students with an understanding of the uniqueness of cultures, the resulting variations in communication styles and preferences, and to provide strategies and skills for successful communication across cultures. BA students will spend at least 20 hrs working on a community service project in which they interact with members of another culture. Options for international study may be available. Prerequisite for BA students: Eng-102. Prerequisite for teacher education ELL students: Eng-231 and upper-level standing. The field experience for teacher education students is met in Educ-424 and Psy-324. Same as Educ-426.

CTA-362 Advertising and Integrated Marketing Communication (3)

See Bus-362.

CTA-373 Play Production (3)

Designed to prepare the student in the artistic techniques of play direction and supervision in the areas of set design and construction, lighting, makeup, costuming, and publicity. Lab sessions and the direction of a one-act play offer actual experience in directing actors. Prerequisite: CTA-152 and CTA-153.

CTA-399 Independent Study

Topic, instructor and hours by arrangement. May be used to pursue special interests in any of the communication major emphases. Prerequisites vary according to program; junior or senior standing and permission of instructor are required.

CTA-400 Communication Research (3)

An overview of the methodological approaches to communication research. Students are strongly encouraged to enroll in this course prior to taking independent research/thesis projects in CTA-399 or 499. Topics include: types of research questions, approaches, philosophy of knowledge, and structure of research. Required for all communication majors. Prerequisite: Eng-102 and one CTA theory class.

CTA-413 Aging and Communication (3)

This course examines lifespan communication issues including: aging and media, marketing to older adults, lifespan language and

communication development, caregiver/receiver communication and intergenerational relationship development. Same as Gero-413.

CTA-481 Organizational Communication (3)

An overview and application of organizational communication theory. Same as Bus-481.

CTA-499 Internship (1–3)

Students and instructors work together to arrange suitable professional experiences with specified goals, activities and evaluation procedures. The course may be used to fulfill requirements in the Communication major or the Composition and Rhetoric minor. Prerequisites vary according to program; junior or senior standing. Permission of instructor is required. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. P/F

COMPUTER SCIENCE

CS-121 Programming and Applications (3)

The first half of the semester is spent in development of skill in translating problems into algorithms as simple programs in a high-level programming language. The second half of the semester includes projects related to word processing, databases, electronic spreadsheets and graphics.

CS-131 Computer Programming I (3)

The development of skill in translating problems into algorithms and implementing these algorithms into a high-level programming language. An emphasis will be placed on good programming style including structured programming techniques. An overview of the organization and operation of a computer system will be given.

CS-141 Computer Programming II (3)

Continued development of discipline in program design, writing, testing and debugging with C++ as the high level programming language. Algorithms to be studied include internal sorting and searching methods, string processing, and the manipulation of data structures: arrays, stacks, queues, and linked lists. Prerequisite: CS-131.

CS-231 Introduction to Computer Systems (3)

An introduction to the architecture of a computer system at the hardware register level. In addition to a general discussion of the organization of a central processing unit specific examples of both CISC and RISC architectures are discussed in detail. Prerequisite: CS-141.

CS-241 Introduction to Computer Organization (3)

An introduction to logic design including properties of gates and flipflops, the design of simple logical networks, representation of information as digital signals, and implementation of arithmetic operations. The mechanics of information transfer and logical control within a computer system will be studied. Laboratory work circuits and breadboards is an essential component of this course. Prerequisite: CS-141.

CS-251 Introduction to File Processing (3)

Storage, manipulation, and retrieval of information stored in large files on bulk storage devices such as disks and tapes. Organization of file systems including relational databases is a key topic. Algorithms for manipulating data structures appropriate to file processing are discussed. Prerequisite: CS-141.

CS-261 Operating Systems and Computer Architecture I (3)

An introduction to the concepts of operating systems with an emphasis on the inter-relationship between the operating system and the hardware architecture of the computer system. Prerequisites: CS-231, 241 (251 is recommended).

CS-321 Numerical Analysis (3)

See Math-321.

CS-324 Computer Graphics (3)

An introduction to the generation and manipulation of graphical images on computer displays. Both 2D and 3D graphics are covered with an emphasis on hierarchical modeling. Topics include clipping, representation of curves and surfaces, 2D and 3D transformations, hidden edge and surface elimination, shading and others. Prerequisite: CS-141 or equivalent.

CS-334 Organization of Programming Languages (3)

An applied course in programming language constructs emphasizing the run-time behavior of computer programs. The course provides an introduction to formal and theoretical aspects of programming languages and will include a comparison of many current languages. Prerequisite: CS-141 (CS-231 and CS-251 are highly recommended.)

CS-344 Data Structures and Algorithm Analysis (3)

A course which will apply analysis and design techniques to non-numeric algorithms which act on data structures. Algorithm analysis and design criteria will be utilized in the selection of methods for data manipulation in such areas as database management, memory management, and system design. Prerequisite: CS-141.

CS-348 (3) Discrete Structures

An applied course in discrete mathematical structures emphasizing their application to computer science. The course will relate

mathematical concepts such as sets, trees, graphs, logic, combinatorics, relations and groups to computer science problems and applications. Computer science topics integrated into the course include data structures, algorithm design and algorithmic analysis and testing. Prerequisite: CS-131. CS-141 and Math-252 are strongly recommended.

CS-351 Database Design and Management (3)

Principles for the design and management of database systems including data and storage models; relational, hierarchial, and network models and associated access operations, relational algebra and calculus; inquiry languages; normalization; logical and physical database design; distributed systems; and concurrency, integrity, and security issues. Emphasis on database planning and implementation through applications using a database system. Prerequisite: CS-251.

CS-361 Operating Systems and Computer Architecture II (3)

A course to continue the development of operating systems and computer architecture. Concurrent processes, name management, resource allocation, protection and access implementation, and advanced implementations of pipelining, parallelism, user interface considerations, networking, and distributed systems will be studied. Prerequisite: CS-261.

CS-39x Seminar in Computer Science (3)

Current topics in the constantly and rapidly changing field of computer science will be the focus of this course. Possible topics include Database Design, Artificial Intelligence, Networks, Microcomputer Applications, Software Design and Development, Automata and Formal Languages, and Compiler Design. Prerequisite: CS-141.

CS-399 Computer Science Internship (3)

Students gain experience in a computer science-related field while working in an internship position under the direct supervision of a computer professional. Students should consult with the computer science faculty and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. This course may be used to satisfy the 128 hours necessary for graduation. Prerequisites: 18 hours of computer science, junior standing and permission of the computer science faculty.

CS-442 Management Information Systems Design and Development (3)

See Bus-442

ECONOMICS

Econ-101 Principles of Macroeconomics (3)

A study of the performance of the American economy. Includes an introduction to national income, employment, fiscal policy, money and monetary policy. In addition, topics of economic stability and analysis of economic growth are covered.

Econ-102 Principles of Microeconomics (3)

Examination of the behavior of microeconomic units such as consumers, firms and industries. Includes analysis of the problems of monopoly, urbanization, income inequality and poverty. International economics and the world economy are discussed.

EDUCATION

Educ-101 Teaching as a Profession (1)

Introduces a broad picture of K-12 teaching as a career in Lutheran schools, other private schools and public schools. Students will be introduced to the teacher education program and guided in the process of application to the program. Participation in at least 10 hours of focused K-12 classroom observations required.

Educ-201 Introduction to Education (3)

An orientation to the field of education with an emphasis on the service role of the teacher. Historical, philosophical, and sociological foundations of American public and private education are explored. Current trends and issues are examined. Prerequisite: Educ-101. May not be taken first semester of freshman year. Should be taken the same semester as EDPS-210.

Educ-211 Middle Level Seminar I (1)

An exploration of middle level curriculum, students, and organizational patterns, intended to introduce middle level concepts to individuals interested in pursuing a middle level endorsement. Action research will necessitate out-of-class time involving middle level students, faculty and parents. Sem I only. Prerequisites: Educ-201, or take simultaneously.

Educ-229 Introduction to DCE Ministries (2)

A study of church work roles in the LCMS with a focus on Director of Christian Education (DCE) ministry including its history, issues, and current practice. Students will also be given opportunity to reflect on their fit and commitment to training for DCE ministry within Concordia's model of preparation.

Educ-300 Outdoor Christian Education (2)

This course is an examination of the historical and contemporary purposes and formats of Outdoor Christian Education. Students will be equipped with the skills needed to implement an effective Outdoor Christian Education program in a congregational or school setting.

Educ-301 Principles of Secondary Education (2)

The purpose of this course is to review and further develop instructional planning, models of teaching and classroom management in today's Lutheran and public secondary schools. Segments include skill development as teachers, leaders and learners affecting successful middle and secondary school teachers. Segments also include assessment strategies, multicultural education, mainstreaming, master teachers' reflections, interview procedures, and the Christian teacher's mission. Student Teaching I runs concurrently with this course. Class presentations and observations are required.

Educ-311 Middle Level Seminar II (1)

A continued interactive exploration of middle level curriculum, students, and organizational patterns, expanding upon the content of Educ-211. Sem II only. Prerequisite: Educ-211.

Educ-314 Assessment, Evaluation, and IEP (3)

This course will provide pre-service teachers with the knowledge of how to select, administer, score and interpret a standardized/norm referenced assessment for exceptional learners. The development of an IEP and the Administration of both formal and informal assessment tools will be covered. Using data gained in order to improve student achievement will be discussed. Prerequisites: Psy-324.

Educ-315 Behavior Disorders and Intervention (3)

This course offers an overview of the behavioral and emotional disorders commonly found in special and general education classrooms. Principles of effective inclusive instruction, applied behavioral analysis, behavior management, functional assessment and intervention are taught. Prerequisites: Psy-324

Educ-316 Teaching Students with Mental Retardation (3)

This course examines the various approaches to working with and the characteristics of students with mental retardation. Specific topics addressed include assessment, curriculum and adaptations, appropriate school placement, transition, and support into adulthood. Prerequisites: Psy-324.

Educ-317 Teaching Students with Learning Disabilities (3)

This course offers an overview of the curriculum and methods that have proven to be effective when teaching students with learning disabilities. Issues related to the academic and social characteristics of these students, as well as assessment procedures, related services and placement options will be discussed. Prerequisites: Psy-324

Educ-329 DCE Ministries II; The Emerging DCE (2)

This course will address such topics as wellness for the DCE, the Call, conflict resolution and identifying and responding to emerging issues impacting congregational ministry. This course will be offered in a hybrid delivery of one mandatory weekend retreat and on-line work. Activities fee.

Educ-330 Early Childhood Education Foundations and Programs (3)

An introduction to early childhood education, this course provides knowledge of the history, philosophy, and trends in this field. A variety of current models and programs will be explored, with class visits to several programs. Sem. II only.

Educ-331 Infants and Toddlers: Development, Curriculum and Teaching (3)

A study of appropriate infant and toddler programs (birth to age three), including an overview of development, quality routines, appropriate environments, materials and activities, and teaching/guidance techniques. This methods course will be required for all Early Childhood endorsement candidates. Sem. I only.

Educ-332 Early Childhood Education Curriculum and Methodology (3)

Students will learn developmentally appropriate content and various methods for guiding the growth of children in Christian environments which meet the unique needs of children ages three through five. 30 hours of field experience is required. Sem. I only.

Educ-333 Primary Education and Literacy Development (3)

Designed to prepare the teacher of children ages six through eight for teaching the basic skills, organizing the primary curriculum, and selecting appropriate techniques and materials. Emphasis will be given to the development of literacy in young children. 10 hours of field experience is required. Sem. II only.

Educ-361 Literacy Instruction, Assessment and Intervention (6) See Educ-461

Educ-362 Teaching the Christian Faith (2)

The course will enable participants to plan, develop, implement and evaluate religious instruction in Lutheran elementary schools and part-time agencies, such as mid-week school. Particular attention is given to the goals of church education, planning skills, methods, resource utilization, and curriculum concerns of teaching the Christian faith. Prerequisites: junior standing or special permission.

Educ-363 The Teacher Laboratory—Elementary Methods (6)

The Teacher Laboratory emphasizes the preparation for the teaching of mathematics, science, social studies and music. The student is involved with others in the process of continual development of attitudes, knowledge and skills needed by classroom teachers as they plan, present and evaluate their lessons and class management. Development of attitudes conducive to projection of a professional image is also an important part of the laboratory experiences. The course consists of in-class sessions, field contact with local schools and some self-paced learning. It is designed to assist prospective teachers in making the transfer to the role of a full teaching professional. The course is part of the professional semester and requires a 40 hour per week commitment.

Educ-364 The Teacher Laboratory—Middle Level Methods (3)

This course emphasizes the preparation for the teaching of mathematics, science, and social studies in the middle level classroom. The student is involved with others in the process of continual development of attitudes, knowledge and skills needed by classroom teachers as they plan, present and evaluate their lessons and class management. Sem I only.

Educ-367 Methods in Secondary Modern Languages* (2)

Exploration of teaching methodologies and curricular materials. Course organization, selection of content, methods of evaluation, and close examination of a variety of teaching models involving conversation, reading, and writing of a modern language. II Sem. only.

Educ-368 Methods in Computer Science* (2)

Methods, materials, and philosophy to equip the student to teach computer science at any level, to support the use of the computer in the whole school, and to manage the school computer lab. Learning and using LOGO is a major component of this course.

Educ-369 Methods in Secondary Business Education* (2)

Instruction and practice in determining what to teach in the basic business courses in secondary schools and how to teach that content, including resources for effective teaching. II Sem. only.

Educ-370 Content Area Literacy (3) See Educ-470

Educ-371 Methods in Secondary English* (2)

Examines current research, theory, and practice in the teaching of secondary English/Language Arts. Presents topics related to philosophy, content, methodology, course organization, evaluation, and assessment. Special attention to problems of the profession and concerns of the future English teacher. Connects instructional theory and practice with student teaching I practicum.

Educ-372 Methods in Secondary Social Studies* (2)

Purposes of the secondary social studies program. A rationale for social studies in the Lutheran high school. Recent developments in social studies curricula-organizations, methods, materials.

Educ-373 Methods in Secondary Science* (2)

Methods, philosophy, and materials for effective science teaching in the Christian context. Principles of teaching and evaluation, course organization, the structure of science content, inquiry methods, laboratory problems, and the curricular "teaching packages."

Educ-374 Methods in Secondary Mathematics* (2)

Methods, philosophy, and materials for effective mathematics teaching in the Christian context. Principles of teaching and evaluating, course organization, the structure of mathematics, heuristic methods, and the newer modern programs.

Educ-375 Methods in Secondary Music* (2)

Teaching music in the high school. A synthesis of theoretical and practical aspects of the music program and its application to present day secondary school teaching. I Sem. only.

Educ-376 Methods in Secondary Physical Education* (2)

Methodological approaches to the teaching of physical education. Special attention is devoted to the implications of the growth and development of the secondary school student for curriculum development, program planning, and instructional techniques.

Educ-377 Secondary Methods in Art Education* (2)

Philosophical and practical direction in methods and techniques used in teaching art on the high school level. Prerequisites: Art-103, 203 and 301. II Sem. only.

Educ-378 Methods in Secondary Speech/Drama* (2)

Theory, methods, and materials for effective teaching of Speech/Drama in the secondary school. A rationale for Speech/Drama in a Lutheran high school and the state of the field education. Principles of teaching and evaluation leading from a study of the current research in communication education and theatre will be included to enable the secondary Speech/Drama teacher to develop and implement an effective Speech/Drama curriculum. II Sem. only.

Educ-379 Methods in Secondary Religion* (2)

Exploration of teaching methodologies and curricular materials. Course organization, selection of content, methods of evaluation, the critical examination of current models of Bible study, and the role of the religion curriculum in the Lutheran high school are stressed. I Sem. only.

*Secondary methods are taught the first eight weeks of the semester and generally must be completed simultaneously with Student Teaching I.

Educ-380 Student Teaching in Pre-Kindergarten (10)

Students are assigned to teach at the pre-kindergarten level under the supervision of a classroom teacher and a university supervisor. Prerequisites: Full admission to teacher education and approval of the Director of Elementary Student Teaching. P/F

Educ-381a/b Student Teaching I/II in the Kindergarten (4-6)

Student teachers are assigned to specific supervisors in the level selected. Experiences on various levels are provided to the students. Students are required to take Educ-381a first. P/F

Educ-382a/b Student Teaching I/II in the Primary Grades (4-6)

See description for Educ-381a/b. P/F

Educ-383a/b Student Teaching I/II in the Intermediate Grades (4–6)

See description for Educ-381a/b. P/F

Educ-384a/b Student Teaching I/II in the Upper Grades (4–6)

See description for Educ-381a/b. P/F

Educ-385a/b Student Teaching I/II in the Secondary School (4–6)

Students are assigned to teach grades 9-12 under the direction of the supervising teacher(s) in the students' teaching field(s).

Students are required to take Educ-385a first. P/F

Educ-386a/b Student Teaching I/II in K-12 (Music, Art, HPE) (4–6)

Students are assigned to teach at the elementary and secondary levels, in the area of their teaching field. Students are required to take Educ-386a first. P/F

Educ-388 Youth Ministry Theory and Methods (3)

A course which provides students an opportunity to reflect upon an ongoing youth ministry involvement while developing parish-based youth work competencies and enriching their cognitive understanding of youth culture, varying models of youth ministry, current synodical resources, and the theology that underlies this activity.

Educ-396a/b Student Teaching I/II Middle Level (10)

Students are assigned to teach grades 4-9 under the direction of the supervising teacher(s) and university supervisor, in the students' teaching field(s). P/F

Educ-399 ESL Student Teaching (3)

Students are assigned to teach under the supervision of a classroom teacher and a university supervisor in settings that require application of skills and principles developed in the ESL curriculum. P/F

Educ-401 Middle Level Instruction (3)

With a focus on the teaching-learning process in various content and skills areas as it pertains to middle level education, technology and resources are considered. Techniques of assessment and evaluation, classroom management, communication with parents and student advising are incorporated. Prerequisite: Educ-311, Senior standing. Sem. I only.

Educ-402 Middle Level Program and Curriculum (1)

An examination of the current curriculum, history, and philosophy of middle level education. Leadership, organization, planning, implementation of middle level components are further explored and applied to student teaching assignments. Prerequisites: Educ-311. Sem II only; concurrent with Student Teaching I.

Educ-424 Teaching Diverse Learners (2)

This course is designed to provide pre-service teachers with the knowledge and skills to implement appropriate assessment and instructional strategies for students with special needs in the regular classroom setting. Special attention will be given to addressing the specific learning needs of all students and developing inclusive techniques. Prerequisites: Psy-324. 8 hours of field experience is required.

Educ-425A English as a Second Language/Foreign Language Instruction, Curriculum, and Assessment (3)

The purpose of this course is to introduce students to the theory and practice of ELL/foreign language learning and teaching, curriculum selection, evaluation, and development as well as assessment of English and foreign language learners. Specific topics focus on the particulars of a pluralistic society, human relational dispositions needed to teach effectively in a pluralistic society, and the variety of approaches, methods, and techniques for teaching first and second language acquisition. Prerequisites: upper level standing.

Educ-425B English as a Second Language/Foreign Language Instruction, Curriculum, and Assessment (3)

A continuation of Educ-425A. Specific topics focus on theory, assessments, and teaching strategies for the developing second language learner. Prerequisites: upper level standing, Educ-425A. A practicum of 18 hours is required.

Educ-426 Intercultural Communication (3)

Prerequisite: Eng-231 and upper-level standing. Same as CTA-333

Educ-430 School, Community and Parent Involvement (2)

This course concentrates on the teacher's role in building successful relationships between families, educators, schools and communities. Strategies for increasing respectful family-school partnerships that enhance children's school success will be emphasized. Sem. I only. Upper level standing.

Educ-452 Early Childhood Program Organization and Management (3)

Organizing, planning, managing, and evaluating programs for young children. Day care and preprimary programs are the concerns of this course. Field trips to various agencies pertinent to families with young children, and experiences with families will be required. Sem. I only.

Educ-461 Literacy Instruction, Assessment and Intervention (6) (formerly Educ-361)

Emphasizes 1) current theory, research, content, methodology, instructional materials, and classroom organization that relate to teaching the language arts (reading, writing, speaking, listening, viewing, and visually representing); 2) informal and formal assessment that determines reader strengths and needs for purposes of instruction and intervention. A field experience of 30 clock

hours in elementary school literacy development is required. Prerequisites: Educ-424, upper level standing. A field experience of 47 hours is required.

Educ-470 Content Area Literacy (3)

Considers the processes of reading in the various subject matter fields by which one recognizes words, copes with specialized vocabulary, comprehends, and uses printed information. Stresses the location of the student's present reading levels, the selection of instructional techniques to fit the learning style of the student, and the choice of materials appropriate for the ability level, reading levels, and interests of the secondary student. Assists the pre-service teacher in learning how to integrate the teaching of reading skills while teaching specific content. Prerequisites: Educ-424, upper level standing. A field experience of 47 hours is required.

Educ-480 Practicum in DCE Ministries (1.5+1.5)

A course designed to expose DCE students to the history, philosophy, current research, and skills/attitudes of DCE ministry in addition to an on-site involvement with a DCE serving a congregation. Prerequisite: Admission to DCE program. (Course completed over two semesters earning 3 credit hours.)

Educ-481 Director of Christian Education Internship (12+12)

Upon admission to the DCE Internship, a student may be assigned to a congregation for 8 weeks to 12 months, depending on previous experience and future plans. This full-time, salaried internship may begin after the junior year, and once Educ-480 has been satisfactorily completed. P/NR (Course is completed over two semesters earning 24 credit hours.)

Educ-483 Leadership Development: Enabling Others to Lead and Teach (3)

Pertinent theories, models, and strategies from the fields of management, leadership training, group process and education will be surveyed and evaluated in the light of the Biblical witness and the content of the Lutheran Confessions for possible implementation within local parishes to enable lay persons to become more effective leaders and teachers. Prerequisite: upper-level standing.

Educ-484 Confirmation Planning and Implementation (2)

The purpose, history, and structure of confirmation in the Lutheran Church is reviewed and assessed for the purpose of structuring and outlining implementation strategies for use in a local congregation. Adult and junior confirmation programs are considered. Prerequisite: upper-level standing.

Educ-485 Parish Education Program Administration (3)

An introduction to and exploration of the theory and processes associated with the administration of parish education programs. Special emphasis is placed on: idea generating, initiating change, leadership, promotion, evaluation, program planning, use of technology, creating ownership, explanation of pertinent systems, budget management, and curriculum review. Prerequisite: upper-level standing.

EDUCATIONAL PSYCHOLOGY

EDPS-210 Educational Psychology and General Methods (2)

The essential conditions (factors) which facilitate learning and transfer; theories of learning, general and specific abilities, the importance of self-esteem, best practices in the evaluation of aptitude, achievement and other aspects of human development. 25 hours of field experience is required. Should be taken the same semester as Educ-201.

ENGLISH

Eng-101 Foundations in Writing (3)

This course focuses on helping students develop foundational approaches and processes for writing. Students will learn basic techniques for generating ideas; giving and receiving feedback; adapting rhetorical strategies for audience and context; revising; and editing. Special attention will be given to discussing the origins and application of English language conventions and developing effective revising and editing techniques. This course is required as a prerequisite for Eng-102 for students who score below 18 on the English portion of the ACT or below 435 on the verbal portion of the SAT.

Eng-102 Experiences in Writing (3)

This course focuses on helping students develop effective processes for writing in multiple genres, including research-based academic projects and creative works. Students will learn techniques for generating ideas; giving and receiving feedback; finding, evaluating and integrating sources; adapting rhetorical strategies for audience and context; revising; and editing. Students will also discuss the origins and application of English language conventions. Students will participate in an oral communication lab experience and adapt a research-based paper for formal presentation to the class. Prerequisite: Eng-101 for students who score below 18 on the English portion of the ACT or below 435 on the verbal portion of the SAT.

Eng-201 Introduction to Literature (3)

A general background in the reading, interpretation, evaluation and criticism of literature in various genres.

Eng-221 Intermediate Writing (3)

A course designed to allow students to experiment with three types of writing: fiction, creative nonfiction, and poetry. Includes study and application of research related to peer writing groups and the process of writing. Prerequisite: Eng-102 and sophomore standing or permission of department chair. Eng-221 may not be taken simultaneously with Eng-326, 327, or 328.

Eng-231 Studies in the English Language (3)

Studies in the acquisition, development, variation and science of the English language. Prerequisite: Eng-102.

Eng-300 (1)

The course includes resume and portfolio creation, attendance at professional placement seminars, mock interviews, meetings with field professionals and internship applications and searches. Prerequisite: upper-level standing or permission of department chair. Also offered as CTA-300 Placement Seminar.

Eng-324 – The Nebraska Story: Natural History and Writers of Nebraska's Great Plains (3)

A study of the Natural History of Nebraska and Nebraska authors with an interdisciplinary emphasis on science, literature, and writing. This course will include visits to selected areas of Eastern Nebraska associated with well-known Nebraska writers. Students will participate in first-hand study of the natural history of the areas and visit sites related to the literature and lives of the authors. The course will focus on the effect of the land and its history on the writers as well as on the biological and geological history of the land itself. Students' writing and photography will be primary means of response to course materials and experience. Same as Bio 324.

Eng-326 Poetry Writing (3)

A course designed to give students the opportunity to write poetry and to read poetry from a writer's perspective. Emphasis on contemporary poetry and poets as well as student writing, discussion of theories and application of the writing process, and the workshop approach. Prerequisite: Eng-102 and upper level standing or permission of department chair. May not be taken simultaneously with Eng-221.

Eng-327 Fiction Writing (3)

A course designed to give students experience with the short story. Emphasizes the workshop approach, peer and instructor-student conferences. Students will read contemporary fiction from a writer's perspective, examining the elements of fiction for application in their own writing. Prerequisite: Eng-102 and upper level standing or permission of department chair. May not be taken simultaneously with Eng-221.

Eng-328 Creative Nonfiction Writing (3)

A course designed to allow students to explore creative non-fiction, its history, and criticism of the genre. Emphasis on workshop and student writing, reading for application, and peer and student -instructor conferences. Prerequisite: Eng-102 and upper level standing or permission of department chair. May not be taken simultaneously with Eng-221.

Eng-341 American Literature I (3)

A survey of significant American writers from the colonial period through the 1840s with an emphasis on the interaction of literature, history, and philosophy. Prerequisite: Eng-201.

Eng-342 American Literature II (3)

A survey of significant American writers from the 1840s through 1910 with an emphasis on the interaction of literature, history, and philosophy. Prerequisite: Eng-201.

Eng-343 American Literature III (3)

A survey of significant American writers from 1910 to the present with an emphasis on the interaction of literature and culture. Prerequisite: Eng-201.

Eng-362 British Literature I (3)

A survey of British literature from its Anglo-Saxon beginnings through the medieval and early modern eras. Prerequisite: Eng-201.

Eng-363 British Literature II (3)

A survey of British literature from the Restoration and 18th century through the Romantic era. Prerequisite: Eng-201.

Eng-364 British Literature III (3)

A survey of British literature from the Victorians to the present. Prerequisite: Eng-201.

Eng-366 Shakespeare (3)

A study of representative history plays, comedies, tragedies, and at least one problem play. Prerequisite: Eng-201.

Eng-381 World Literature I (3)

A survey of significant literature from the ancient world, including Greek and Roman writers, on through the 1500s. The course identifies major themes addressed, major structural features advanced, and socio-cultural conditions which were contextual to this time frame. Prerequisite: Eng-201.

Eng-382 World Literature II (3)

A survey of significant literature primarily from the early 1600s into the mid 1800s, including the Enlightenment and Renaissance eras. The course identifies major themes addressed by representative writers of the European tradition, as well as additional world cultures. Several Genres explored. Prerequisite: Eng-201.

Eng-383 Modern Poetry (3)

Study of twentieth century poetry. While the emphasis is on American and British poets, some opportunity exists for examination of poetry from other cultures. Techniques and philosophy of twentieth century poetry. Prerequisite: Eng-201.

Eng-384 World Literature III (3)

A survey of significant literature from a variety of world cultures from the late 1800s into the early 21st century. Included are representative writers from the modern and post-modern eras in developed countries and the developing world. Structural experimentation in these literary works is also explored. Prerequisite: Eng-201.

Eng-385 Psychological and Sociological Analysis of Modern Literature (3)

Study of the twentieth century novel. While the emphasis is on American, British, and continental novelists, some opportunity exists for examination of novels from other cultures. Trends and social implications. Literary analysis and critical essays. Prerequisite: Eng-201. Same as Psy-385.

Eng-387 Modern and Postmodern Drama (3)

Study of twentieth century drama. While the emphasis is on American, British, and continental dramatists, some opportunity exists for examination of drama from other cultures. Religious, social, and moral ideas expressed in these plays. Prerequisite: Eng-201.

Eng-391 Children's Literature (3)

A study of literature for children from picture books to elementary-age works. Methods of presenting literature for enjoyment and enlargement of experiences. Prerequisite: Eng-201 and sophomore standing or permission of department chair.

Eng-392 Reading Interests of Adolescents (3)

Reading and discussion of literature appropriate for adolescents. Emphasis on young adult literature. Insights into using literature in the classroom. Prerequisite: Eng-201 and sophomore standing or permission of department chair.

Eng-399 Independent Study

Hours and topics by arrangement. Prerequisite: Eng-201.

Eng-411 History and Literature of Aging (3)

See Gero-411.

Eng-412 Life Review, Autobiography and Creative Non-Fiction (3)

See Gero-412.

Eng-431 English Language and Linguistics (3)

An intensive exploration of the science of language as it is discussed in socio-linguistics, psycholinguistics and historical linguistics. Course includes study of grammar and linguistic philosophy. Prerequisite: Eng-231 and one upper-level English course or permission of department chair.

Eng-498 Honors Course

Arranged for qualified seniors.

Eng-499 Internship

Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

ENGLISH, COMMUNICATION, THEATRE ARTS

ECTA-350 Special Topics in English, Communication and Theatre [Topic by Announcement] (2–3)

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre. Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours. Prerequisite: ECTA-104 and one additional course in CTA or English.

ENVIRONMENTAL SCIENCE

ESci-281 Physical Geography and Geology (4)

Lecture 3, Lab. 2 - See Geog-281.

ESci-315 Environmental Science (3)

See Geog-315.

ESci-320 Natural Resource Management and Conservation in the National Parks ()

See Geog-320.

ESci-351 Environmental Law and Policy (3)

This course examines the key environmental laws, policies, and regulatory agencies of the United States. These are examined to provide a historical context as well as a contemporary understanding of environmental decision making at the federal, state, and local level.

ESci-361 Introduction to Geographic Information Systems (3)

[Lecture 1](#), [Lab 2](#). - See Geog-361.

ESci-36_ Ecology and Natural History Study Tours (3)

[See Bio-36_.](#)

ESci- 377 Conservation Biology (3)

See Bio-377.

ESci-461 Advanced Geographic Information Systems (3)

A study of the functionality and application of geographic information systems technology that builds upon the skills learned in Introduction to Geographic Information Systems. Students will learn spatial model building, geodatabase management, georeferencing, and spatial data collection and analysis. Same as Geog-461.

ESci-498 Environmental Science Internship (1-3)

Students gain experience in environmental science by working in an internship position under the supervision of a professional in the field. Prerequisites: minimum junior standing and permission from social science, natural science, or business faculty. Students should contact the Office of Career Services to obtain the undergraduate/practicum packet and review the required process.

FINANCIAL LITERACY

FINL-100 Financial Literacy I (0)

Personal financial stewardship as it relates to students, specifically regarding the topics of budgeting, credit cards, student loans, and debt management. To be completed during a student's first year at Concordia.

FINL-400 Financial Literacy II (0)

Personal financial stewardship as it relates to students, specifically regarding the topics of budgeting, insurance and investments. To be completed during a student's final year at Concordia.

FIRST YEAR SEMINAR

FYS-101 First-Year Seminar (1)

This course is designed to help first-year students make successful transitions to college student life. Students will examine what others have to say about the purpose and culture of contemporary higher education and will explore the opportunities for intellectual, academic, social and spiritual growth they face as a Concordia freshman. Each section will include a service learning project. Through reading, discussion and writing, students will reflect on the ways their own values, beliefs, goals and learning styles may affect their experiences as students and their professional and vocational paths.

GENERAL STUDIES

GS-201 Global Issues (2)

A systematic, interdisciplinary analysis of significant contemporary global problems, with focus on their origins, their consequences, and approaches to their resolution. Examination of these issues from the perspective of Christian social principles. Emphasis on the servant-leader growing in awareness and commitment. Should be taken during the sophomore or junior year. Prerequisite: GS 101 or permission.

GS-301 Servant Leadership Practicum (2)

An experiential learning situation where each student will be able to develop, propose, execute and process their own servant leadership project. Initial seminar classes will cover service-learning concepts, practicum proposal procedure as well as developing servant leaders' relationships with possible agency/community/church/campus resources. Students will experience being servant leaders in action. Should be taken during the sophomore or junior year. Prerequisite: GS 101 or permission.

GS-401 Ministry in a Changing World (3)

After developing a Biblical/theological view of ministry and vocation, students will have opportunities to assimilate the knowledge and experiences of the three previous classes (GS-101, GS-201, GS-301) expanding perspectives, resources, and opportunities for ministry in church and society. Applications will be directly linked to the servant leader as a professional. Prerequisites GS-201 and 301 or permission. Same as Theo-489.

GEOGRAPHY

Geog-101 Introduction to Geography (3)

This course provides an introduction to the basic concepts, technology, and methodology used in the study of geography. Using lecture, Global Positioning Systems (GPS), GIS, field work, and multi-media, students learn to think spatially about their surroundings.

Geog-102 World Regional Geography (3)

This course is designed to provide a broad overview of the major regions of the world with emphasis on the increasing interconnectedness of people and places due to the influence of globalization on world trade, travel, communication, culture, and the natural environment.

Geog-281 Physical Geography and Geology (4)

Lecture 3, Lab. 2 - Introduction to the climactic and physical processes shaping the Earth's crust and the interrelationship between humans and the natural environment. Students will learn through the interpretation of maps and remotely sensed imagery, laboratory activities, and a multi-day field trip. Same as ESci-281 and Sci-281. Course Fee.

Geog-311 Geography of North America (3)

A systematic analysis of major themes of North American geography with emphasis on problems such as energy and environment. Includes regional analyses of the United States and Canada that carefully examines their physical background and cultural trends. Prerequisite: Geog-101 or 102, or permission of instructor.

Geog-315 Environmental Science (3)

This course provides a broad introduction to the field of environmental science. Topics include global warming, energy issues, food and agriculture, biofuels, pollution, wildlife management and conservation, human population, and natural systems. Same as ESci-315 and Sci-315.

Geog-320 Natural Resource Management and Conservation in the National Parks (3)

Course provides students with a practical, field-based experience with contemporary resource management and conservation issues in units of the National Park Service. Topics include historical development of individual parks and the entire NPS, visitor impacts, park planning, resource policy, exotic plant and animal species, wildlife management, in-park transportation concerns, public safety, and wilderness management. Students will visit and camp in selected national parks. Same as ESci-320.

Geog-331 Geography of Europe (3)

This course provides a detailed examination of the historic and contemporary geography of Europe. Special focus is placed upon contemporary issues relating to the formation and governance of the European Union, immigration, world trade, geopolitics, environmentalism, and foreign relations.

Geog-341 Geography of Asia (3)

This course provides a contemporary examination of the geography of Eastern and Southern Asia. Through the use of current events, readings, and multi-media, students examine the rising influence of this region on world trade, commerce, globalization, foreign relations, geopolitics, and the natural environment.

Geog-345 Geography and Archaeology of the Holy Land (3)

Provides an introduction to the archaeology of Syria-Palestine, the interaction between human occupation and geography, and the importance of archaeological research in understanding the Bible through detailed study of primary and secondary sources.

Geog-361 Introduction to Geographic Information Systems (3)

Lec. 1, Lab 2. This course provides an introduction to Geographic Information Systems (GIS) technology through the use of ESRI's ArcGIS software. Students gain a working knowledge of GIS software and how it is used in various disciplines via laboratory exercises, lecture, guest speakers, and a class project. Same as ESci-361.

Geog-371 Economic Geography (3)

Spatial characteristics of people and their economic activities. Both historical-inductive and theoretical-deductive explanations are given for spatial location of primary, secondary and tertiary activities. Recommended: prior economics or geography.

Geog-381 Meteorology and Oceanography (3)

An introduction to the properties and processes of the atmosphere and the world ocean. In addition, emphasis will be placed on the application of recent scientific advances in these related fields and how they affect the world we live in. Same as Sci-381.

Geog-385 Field Techniques and Geodata Collection (3)

Course provides students with the opportunity to conduct original field research in geography. Students will use a variety of methods, including surveys, GPS units, GIS, digital photography, interviews, Internet mapping websites, and archival research to complete a series of field projects. Same as Sci-385.

Geog-391 Urban Geography (3)

The spatial evaluation of cities; including the history, site and situation, external relations, internal characteristics, the rise of urban centers, comparative aspects of cities, their present development and urban problems are examined. Prerequisite: Geog-101 or 102, or permission of instructor.

Geog-461 Advanced Geographic Information Systems (3)

See ESci-461.

GERONTOLOGY

Gero-205 Adult Development and Aging (3)

See CTA-205.

Gero-400 Issues in Gerontology and Aging Studies (3)

This course provides students with an overview of the field of gerontology, issues and research in aging as well as an introduction to careers in aging. Course includes basics of reading and using gerontological research. The course is offered as an elective in select programs and as part of the gerontology and aging studies programs.

Gero-401 Health Aspects of Aging (3)

This course is designed to develop and expand knowledge and skill to understand and address contemporary health issues in aging. Prerequisite: Gero/CTA 205.

Gero-402 Social Gerontology (3)

Social gerontology is the study of the nonphysical aspects of human aging and includes the psychological, social psychological and social aspects of aging. Aging is a multi-faceted process that covers multiple academic disciplines. Social gerontology integrates scientific knowledge about social policy and professional practice into the knowledge base created by basic social scientific research. Course includes a review of principles of gerontological research. Prerequisite: Gero/CTA 205.

Gero-403 Mental Health and Aging (3)

This course will provide students with a comprehensive study of mental health issues associated with aging. Prerequisite: Gero/CTA 205.

Gero-404 Faith Development & Later Life (3)

This course introduces students to issues, concerns and research in the spiritual development of individuals as they age. The course supplements sociological, biological and psychological theories of lifespan development and explores issues of aging and ministry. Prerequisite: Gero/CTA 205.

Gero-411 History and Literature of Aging (3)

This course explores historical, social and literary depictions/understandings of aging in Western and non-Western cultures with an eye toward a richer understanding of what it means to age in the world today. Same as Eng-411 and Hist-411.

Gero-412 Life Review, Autobiography and Creative Non-Fiction (3)

This course explores the theoretical concept and value of life review while researching and developing techniques in the writing of autobiography and creative non-fiction. Same as Eng-412.

Gero-413 Aging and Communication (3)

This course examines lifespan communication issues including: aging and media, marketing to older adults, lifespan language and communication development, caregiver/receiver communication and intergenerational relationship development. Same as CTA-413.

Gero-414 Aging Policy, Programs & Services (3)

This course surveys contemporary policies, programs and services for an aging population.

Gero-415 Retirement & Lifespan Financial Issues (3)

This course explores the impacts of an aging society on financial planning and retirement. Students will study in-depth issues in lifespan financial planning. Same as Bus-415.

Gero-416 Health Programming and Later Life (3)

This course explores specific health needs of aging individuals and assists students in identifying techniques and strategies used in developing programs for the older adult. The evaluation of programs and the effect upon the older adult will be investigated. Same as HHP-416.

Gero-417 Aging and the Brain (3)

This course explores the biological development of the human brain throughout the lifespan and examines the biological changes underlying common age-related neuropathies. Same as Bio-417.

Gero-418 Nutrition & the Older Adult (3)

This course examines in depth, the importance of nutrition across the lifespan with specific attention to the particular nutritional needs of older adults.

Gero-419 Death, Dying and Trauma (3)

This course examines the processes, theories and responses to individual and collective trauma, the processes and tasks of dying and the issues of death and bereavement.

Gero-498 Special Topics in Aging (3)

This course examines special issues in aging and gerontology. Topics are specific to the needs of students in the topic area and expertise of the instructor.

Gero-499 Practicum (3)

The practicum requires students to conduct programmatic research and implement an aging services project in their area of professional interest. Students must interview with and gain permission from the program director before enrolling.

GREEK

Grk-101 Greek I (3)

An introduction to the grammar, vocabulary, and syntax of Attic and Koine Greek. Simple passages of prose will be read. Five hours per week.

Grk-102 Greek II (3)

A continuation of Grk-101. Selected passages for reading. Five hours per week. Prerequisite: Grk-101 or equivalent.

Grk-201 Greek III (3)

An intensive review of Koine morphology, vocabulary, principle parts and grammar. The Gospel of John will be translated. Prerequisite: Grk-102 or equivalent.

Grk-202 Greek IV (3)

The synoptic Gospels of the Greek New Testament will be read intensively and analyzed from the point of view of grammar, vocabulary and syntax. Prerequisite: Grk-201 or equivalent.

Grk-301 Acts (3)

Reading the book of Acts with an emphasis on a close examination of grammatical and syntactical features. Prerequisite: Grk-202 or equivalent.

Grk-302 Pauline Epistles (3)

Extensive readings in the epistles of St. Paul with an emphasis on the grammatical and syntactical features as well as the distinctive features of an epistle. Prerequisite: Grk-202.

Grk-401 Textual Criticism and Intertestamental Relationships (3)

An introduction to textual criticism of the Hebrew OT and the Greek NT, and a study of the linguistic and theological interrelationship of the testaments, particularly the use of the Septuagint by NT writers. This course is to be taken in the final year. Prerequisites: Grk-102 and Heb-102. Same as Heb-401.

HEALTH AND HUMAN PERFORMANCE

ACTIVITY COURSES

HHP-100 Lifetime Wellness (1)

A course designed to provide an understanding of the values of wellness in our contemporary society and to aid the student in developing a personalized wellness program for optimal health. Course fee.

TEAM ACTIVITY COURSES

HHP-111 Flag Football (.5)

Half semester.

HHP-112 Lacrosse (.5)

Half semester.

HHP-116 Basketball (.5)

Half semester.

HHP-117 Soccer (.5)

Half semester.

HHP-118 Softball (.5)

Half semester.

HHP-132 Volleyball (.5)

Half semester.

LEISURE/ADVENTURE ACTIVITY COURSES

HHP-142 Orienteering (.5)

Half semester. Development of map and compass skills.

HHP-144 Recreational Sports (.5)

Half semester. Includes horseshoes, bocce ball, eclipseball and other activities.

HHP-146 Adventure and Cooperative Activities (.5)

Half semester. Challenge and trust-building activities including low ropes elements.

HHP-147 Alpine Skiing **.5)

A spring break course. An extra fee will be assessed.

HHP-148 Beginning Climbing (.5)

Half semester. A course in beginning wall climbing. An equipment use fee will be assessed.

HHP-149 Wilderness Adventure Activities **.5)

A summer school course. Activities may include mountain climbing, backpacking, hiking, mountain biking, rafting, canoeing. An extra fee will be assessed.

INDIVIDUAL/DUAL ACTIVITY COURSES

HHP-134 Tumbling (.5)

Half semester.

HHP-135 Track and Field (.5)

Half semester.

HHP-140 Long Distance Cycling (1)

Contact HHP Department Chair for information and permission.

HHP-152 Badminton (.5)

Half semester.

HHP-154 Golf** (.5)

Half semester.

HHP-156 Tennis (.5)

Half semester.

HHP-157 Bowling** (.5)

Half semester. Course fee.

HHP-158 Racquetball ** (.5)

Half semester. Course fee.

DANCE ACTIVITY COURSES

HHP-153 Folk Dance (.5)

Half semester.

HHP-155 Square and Line Dance (.5)

Half semester

FITNESS ACTIVITY COURSES

HHP-161 Aerobic Walking/Jogging (.5)

Half semester

HHP-162 Aquatic Fitness (.5)

Half semester

HHP-164 Cross Training (.5)

Half semester

HHP-166 Weight Training (.5)

Half semester.

HHP-168 Aerobics (.5)

Half semester. May include step, kickboxing, and the different components to a group of aerobic workout. A considerable amount of physical exertion is involved so the course is for students with no apparent health risks.

AQUATICS ACTIVITY COURSES

HHP-171 Swimming — Level I (.5)

Half semester.

HHP-172 Swimming — Level II (.5)

Half semester. Prerequisite: HHP-171.

HHP-173 Swimming — Level III (.5)

Half semester. Prerequisite: HHP-172.

HHP-174 Swimming — Level IV (.5)

Half semester. Prerequisite: HHP-173.

HHP-175 Swimming — Level V (.5)

Half semester. Prerequisite: HHP-174.

HHP-176 Swimming — Level VI (.5)

Half semester. Prerequisite: HHP-175.

HHP-177 Swimming — Level VII (.5)

Half semester. Prerequisite: HHP-176.

**A special fee will be assessed.

THEORY COURSES

HHP-181 Elements of Health (3)

Designed to expose prospective health education and promotion professionals to the basic content areas of comprehensive health education, as well as the fundamental concepts, models, theories, and strategies pertaining to health education and promotion.

Prerequisite: HHP-100.

HHP-182 First Aid and CPR (2)

Safety, prevention of injuries, and first aid and CPR procedures as outlined by the American Red Cross. Course fee.

HHP-218 Programs in Team Activities (1)

Performance and analysis of fundamental role of team activities for various developmental levels. Prerequisite: Sophomore status or higher.

HHP-238 Programs in Rhythms and Dance (1)

Performance and analysis of fundamental movements and skills in rhythmic activities and dance (folk, square, line, and social). The role of rhythms and dance programs for various developmental levels. Prerequisite: Sophomore status or higher.

HHP-248 Programs in Leisure and Adventure Activities (1)

Performance and analysis of fundamental movements and skills in leisure and adventure activities. The role of leisure and adventure programs for various developmental levels. Prerequisite: Sophomore status or higher.

HHP-258 Programs in Individual and Dual Activities (1)

Performance and analysis of fundamental movements and skills in individual and dual activities. The role of individual and dual programs for various developmental levels. Prerequisite: Sophomore status or higher.

HHP-261 Care and Prevention of Athletic Injuries (2)

Intended to equip the student with sufficient knowledge and skill in the prevention, treatment and rehabilitation of injuries common to athletic activities.

HHP-268 Programs in Health and Fitness (1)

Performance and analysis of fundamental movements and skills in health-related fitness activities. The role of health and fitness programs for various developmental levels. Prerequisite: Sophomore status or higher.

HHP-270 Human Performance Laboratory Techniques (2)

This course introduces students to the function and use of a variety of human performance equipment. Topics will center on the application of the equipment in health and human performance.

HHP-273 Motor Learning (2)

The analysis of research findings and empirical evidence concerning the learning of motor skills, with emphasis on synthesizing these materials into useful concepts which will aid the teacher. Prerequisite: Psy-101.

HHP-280 Global Health (2); 1 additional hour optional for study abroad experience

This course provides an introduction to important global health issues, including health determinants and key areas of disease burden currently affecting the developing world, and the role that new health technologies can play in solving these problems.

HHP-281 Health Topics: Drug Education (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address the issues of drug/substance use, misuse and abuse. Prerequisite: HHP-100.

HHP-282 Health Topics: Environmental Health (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address the interrelatedness of health and the environment. Prerequisite: HHP-100 or concurrent enrollment.

HHP-283 Health Topics: Consumer Health (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address consumer health issues. In addition, it will better enable consumers to make informed decisions regarding the selection and use of health products and services. Prerequisite: HHP-100 or concurrent enrollment.

HHP-284 Health Topics: Stress Management (1)

A course in the health topics series designed to develop and expand knowledge and skill in comprehensive stress management.

Strategies and techniques for the individual and the health educator will be presented.

HHP-285 Health Topics: Nutrition (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address the issues of nutrition, dietary patterns and weight management. Prerequisite: HHP-100.

HHP-286 Health Topics: Men's Health (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary issues in men's health. Prerequisite: HHP-100 or concurrent enrollment.

HHP-287 Health Topics: Women's Health (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary issues in women's health. Prerequisite: HHP-100 or concurrent enrollment. Additional conference fee required.

HHP-288 Health Topics: Health and Aging (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary health issues in aging. Prerequisite: HHP-100 or concurrent enrollment.

HHP-289 Health Topics: Violence and Injury Prevention (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary issues concerning violence and injury prevention. Prerequisite: HHP-100 or concurrent enrollment.

HHP-290 Health Psychology (3)

Health Psychology is the study of how biology, behavior, and social context influence health and illness. The course will examine the contributions of psychological research to the understanding, prevention, and treatment of a variety of health concerns. The biopsychosocial-spiritual model will be emphasized, which entails the study of how social, emotional, behavioral, biological, and spiritual factors influence health. The specific topics may include injury, stress, pain management, addictions, patient-physician/practitioner relations, and chronic illnesses such as Alzheimer's, diabetes, and AIDS. Prerequisite: Psy 101. Same as Psy-290.

HHP-291 Foundations of Human Performance (2)

An introduction to the scope of human performance professions. Emphasis on the formation of a sound philosophy for a professional in the field. 15 hours of field experience required. Prerequisite: HHP-100.

HHP-298 Theory of Coaching (2)

This course provides an overview of coaching sports. It is designed for the student to develop a coaching philosophy and understand coaching techniques, the importance of communication in various interactions, psychology of sports and athletic competition, logistical planning, physical development of athletes, and motivation in sports.

HHP-312 Exercise Prescription (3)

This course is designed to assist students in the identification, analysis, and implementation of exercise protocols that are appropriate for the specific needs of a variety of individuals. The special needs of those exercising in varying environments will also be covered. Prerequisite: HHP-385, Bio-343 or 344.

HHP-321 Coaching of Football (2)

Designed to prepare the student for coaching by studying principles which control or influence the game of football. Prerequisite: HHP-111 or instructor's approval.

HHP-322 Coaching of Men's and Women's Basketball (2)

A study of basketball with special emphasis on the skills necessary for coaching. Prerequisite: HHP-116 or instructor's approval.

HHP-323 Coaching of Softball/Baseball (2)

Designed to prepare the student for coaching softball/baseball through classroom theory and laboratory experience. Prerequisite: HHP-118 or instructor's approval.

HHP-325 Coaching of Men's and Women's Track (2)

A thorough study of track and field events, their rules, order, and the latest trends in training and coaching techniques. Prerequisite: HHP-135 or instructor's approval.

HHP-326 Coaching of Soccer (2)

Designed to prepare the student for coaching soccer through classroom theory and laboratory experience. Prerequisite: HHP-117 or instructor's approval.

HHP-327 Coaching of Volleyball (2)

Designed to prepare the student for coaching volleyball through classroom theory techniques and laboratory experience. Prerequisite: HHP-132 or instructor's approval.

HHP-362 Internship in Coaching (2-3)

An experience designed to provide opportunities to observe and work with a professional in a student's selected sport. The internship must be done in a sport other than the one chosen in HHP-322-327. Prerequisite: HHP-463 and upper level standing. Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

HHP-363 Health Methods in Elementary Education (1)

Designed for elementary candidates who are not completing a health education concentration or minor. Emphasis is on both the theory and practical demonstration of how to develop a health curriculum and how to teach the curriculum to elementary and middle level students. Prerequisite: HHP-100 and upper level standing.

HHP-364 Physical Education Methods in Elementary Education (1)

Designed for elementary candidates who are not completing a physical education concentration or minor. Emphasis is on both the theory and practical demonstration of how to develop a physical education curriculum and how to teach the curriculum to elementary and middle level students. A field experience of 10 clock hours is required. Prerequisite: HHP-100 and upper level standing.

HHP-365 Physical Education in Elementary and Middle Level Education (2)

A study of methods, materials, curriculum development and evaluation of physical education programs in elementary and middle level education. Prerequisite: HHP-100, 291, and upper level standing. 15 hours of field experience required.

HHP-366 Health Methods and Curriculum Design (3)

A study of methods, materials, curriculum development, and evaluation of health education programs in the school. Prerequisite: HHP-181 and upper level standing.

HHP-385 Physiology of Exercise (3)

See Bio-385

HHP-389 Senior Seminar in Health (1)

A capstone course that allows students to integrate knowledge, experience and research in the exploration of professional issues and trends in health education and promotion. Prerequisite: senior standing.

HHP-392 Internship in Fitness Studies (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP-393 Internship in Senior Adult Fitness (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP-394 Sport Communication Internship (3)

An experience designed to provide opportunities to observe and work with professionals in the student's selected field. Prerequisites: upper level standing with completion of at least 60 hours of course work with a minimum of 15 hours in the major and approval of the instructor and the HHP department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review required process.

HHP-395 Biomechanics (3)

A study of human movement. Attention is given to the anatomy of muscles, bones, joints. Application of mechanical principles to the movement of the human organism. Prerequisite: upper level standing; Bio-243 or 343, Phys-109.

HHP-396 Internship in Sport Management (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP-397 Internship in Exercise Science (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP-398 Internship in Community Health (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP-399 Senior Seminar in Human Performance (1)

A capstone class that allows students to integrate knowledge, experience and research in the exploration of professional issues and trends in human performance. Prerequisite: senior standing.

HHP-410 Essentials of Strength Training and Conditioning (3)

This course is designed to give an overview of the practice of strength and conditioning coaches and personal trainers. The course will cover scientific and practical foundations of strength and conditioning, with an emphasis on program design using a variety of methods for various populations and exercise techniques. Other emphases will be student-driven. "Hands on" experience will be incorporated into lecture and lab. This course is designed to prepare students for the nationally recognized strength and conditioning and fitness certification examinations. Prerequisite: HHP 166, HHP 385, and senior standing.

HHP-416 Health Programming and Later Life (3)

See Gero-416.

HHP-462 Sport Ethics (3)

This course is designed to create awareness of important ethical issues in sport and to provide students with skills and information to competently respond to them as they might occur in a professional environment. Real-life issues from a variety of perspectives (player, coach, administrator, parent, etc.) will be explored. Prerequisite: HHP-291 and upper level standing.

HHP-463 Psychology of Coaching (3)

A study of the psychological aspects of improving athletic performance of individuals and groups. The interrelatedness of sport and society also will be investigated. Prerequisite: Psy-101, and upper level standing.

HHP-464 Social Issues in Sport (3)

This course aims to provide an overview of the field of sport sociology. It will focus on the relationships between sport and various institutions including education, family, politics, religion and the economy. Prerequisite: Upper level standing.

HHP-465 Human Diseases (3)

Discussion of disease process and ill-health. Emphasis on epidemiology, prevention, treatment, and the understanding of the etiology of communicable and non-communicable diseases. Prerequisite: Bio-243 or 343 or 344, and upper level standing. Same as Bio-465.

HHP-471 Adapted Physical Activity (3)

The course focuses on the theories, principles, and practices of working with students with special needs in physical education programs. Prerequisite: Upper level standing or instructor permission. 10 hours of field experience required.

HHP-480 Health and Human Sexuality (3)

The study of human sexuality from a holistic health perspective. Emphasis will be placed on the biological, emotional, sociological, and behavioral factors concerning human sexuality. Prerequisites: HHP 181 and upper level standing.

HHP-481 School Health Program (3)

A survey of the coordinated school health program including policies, procedures, and activities related to the eight components of coordinated school health. Prerequisite: HHP-181 and upper level standing.

HHP-482 Applied Epidemiology and Health Data Analysis (3)

The study and application of epidemiology and health data analysis in the public health setting. Data analysis and biostatistics skills, tools, and techniques are employed. Prerequisites: HHP-181 and upper level standing.

HHP-484 Community Health (3)

A survey of community health education and promotion including an examination of the nature, extent and contributing factors of major community health issues and problems. The purpose, function, organization and administration of health services at the local, state and federal levels also will be examined. Prerequisites: HHP-181 and upper level standing.

HHP-486 Critical Issues in Health (2)

Social, medical, and/or legal aspects of current critical issues in health. Prerequisite: HHP-181 and upper level standing.

HHP-488 Health Promotion Programming (3)

This course is designed to provide an overview of the skills and knowledge necessary to provide leadership in the designing, implementation and evaluation of public, community and worksite health promotion programs. Prerequisites: HHP-181 and upper level standing.

HHP-491 Management of Physical Education and Sports (3)

Acquaint students with the responsibilities and knowledge required in administering physical education and sports programs. Prerequisite: upper level standing.

HHP-492 Recreational and Intramural Programming (3)

The theories, principles, and practices in structuring recreational and intramural programs for schools, churches, and various age groups. Administrative and leadership roles will be emphasized. Prerequisite: upper level standing.

HHP-493 Curriculum Development in Physical Education (2)

The theories, principles, and practices of curriculum development with emphasis upon preparation of specific physical education curricula for elementary and secondary schools. Prerequisite: upper level standing or instructor's approval.

HHP-494 Measurement and Evaluation in Human Performance (3)

Study of techniques used in measurement and evaluation by health and physical educators. Included will be test constructions, survey of available materials, and practical experiences in test administrations and computer applications. Prerequisite: college level math class and upper level standing.

HHP-495 Legal Aspects of Exercise and Sport (3)

Legal concepts and principles related to the administration, teaching and coaching of exercise and sport. Issues regarding personnel, facilities, equipment, transportation, medical aspects, liability and gender will be examined. Prerequisite: Upper level standing or consent of instructor.

HEBREW

Heb-101 Biblical Hebrew I (3)

An introduction to Biblical Hebrew grammar, vocabulary and syntax, coordinated with some translating activity in the Hebrew Bible. Five hours per week.

Heb-102 Biblical Hebrew II (3)

An intensive review of Biblical Hebrew vocabulary, morphology and grammar, coordinated with extensive readings in the Former Prophets (Joshua-Kings) and selected poetry. Five hours per week. Prerequisite: Heb-101.

Heb-201 Biblical Hebrew III (3)

Further study of Biblical Hebrew vocabulary and syntax, coordinated with extensive reading in the narratives of Genesis. Prerequisite: Heb-102.

Heb-202 Latter Prophets (3)

Extensive readings in the Latter Prophets (Isaiah, Jeremiah, Ezekiel and The Twelve), with emphasis on a close examination of grammatical and syntactical features. Prerequisite: Heb-201 or permission of instructor.

Heb-301 Exodus and Deuteronomy (3)

Extensive readings in the narratives and legal and parenetic materials in Exodus and Deuteronomy, with emphasis on a close examination of grammatical and syntactical features. Prerequisite: Heb-102.

Heb-302 Psalms and Wisdom Literature (3)

Extensive readings in the Psalms and Biblical wisdom literature (Job, Proverbs, Ecclesiastes), with emphasis on distinctive features of Hebrew poetry and the literature of the wisdom movement. Prerequisite: Heb-201 or permission of instructor.

Heb-401 Textual Criticism and Inter-testamental Relationships (3)

See Grk-401.

HISTORY

Hist-115 American Civilization (3)

Examines the nature of history as a discipline and its role in understanding the human experience. A study of major changes in the American economy, in the role of government, and in the place of the U.S. in world affairs since the Civil War, along with an analysis of social change and the experience of minority groups in American society.

Hist-131 World Civilization I (3)

Assesses the development of the basic political, philosophical, and cultural patterns of the ancient, near eastern, Asian, Greco-Roman, medieval and early modern European societies.

Hist-132 World Civilization II (3)

Special emphasis on major political, philosophical, cultural and economic trends in the modern world (since c. 1700) and the emergence of the world community. (May be taken independently of Hist-131.)

Hist-306 Colonial and Revolutionary American (3)

European background and its relationship to the exploration, settlement, and development of the American colonies, with particular emphasis on English North America; economic, social, political, and cultural aspects of colonial life; the causes, course, and consequences of the American Revolution.

Hist-307 The Early American Nation: 1789–1865 (3)

The forces and institutions which shaped the development of the U.S. from 1789 to 1865: political parties and issues; economic change; religion, thought and reform; race and slavery; women and families in U.S. society, foreign relations, expansionism; the causes and course of the Civil War.

Hist-308 The Rise of Modern America: 1865–1918 (3)

National reconstruction after the Civil War with emphasis on the place of Black Americans; industrialization and reform; the American position in world affairs through World War I.

Hist-309 Recent History of the United States: 1919–1960 (3)

Reviews the social and economic conditions of the United States between the world wars and in the post World War II period. Surveys the extent and degree of American involvement in world affairs.

Hist-311 American Foreign Relations (3)

An analysis of U.S. foreign policy from the early national era to the present, with emphasis on the 20th century and Cold War years. Focuses on major theme — the impact of idealism, territorial and commercial expansion, American exceptionalism. Variant interpretations of U.S. diplomacy are studied critically.

Hist-313 Religion and Society in the United States (3)

A historical analysis of the interaction between religion and society in the United States from pre-colonial to contemporary times;

emphasis on themes such as Puritanism, revivalism, social reform, religious pluralism, civil religion, and on-going theological issues. Attention is given to the development of Lutheranism in the American setting.

Hist-314 History of the American Presidency (3)

The history of the American Presidency as well as the forty-two men who have served in that office. It begins with the origin of the office itself in the US Constitution and examines the changes it has gone through in 200 plus years.

Hist-334 Early and Medieval Christianity (3)

This course surveys the early and medieval history of Christianity and the Church. Attention is given to the development of theological thought, ecclesiastical structures, and the various relationships between the Church and the "world" during this period of time.

Hist-335 The Renaissance and the Reformation (3)

The beginning period of the modern world. The three main divisions: Renaissance, the Reformation, and the Catholic Reform.

Hist-339 Europe since 1914 (3)

European thought and institutions in the twentieth century. The impact of total war and totalitarianism on contemporary Europe and the world; the development of a mass society; attempts at international organization; and the relative decline of European influence in the world. Prerequisite: Hist-132, or the permission of instructor.

Hist-341 Modern England (3)

A survey from the accession of the Tudors to the present day. Institutional developments and political theory, technological innovation and social change, and the impact of Britain in European, American and world affairs.

Hist-381 Baseball in American History (3)

This course will examine the relationships between our National Pastime and those forces that have significantly affected American society. (Summer Term)

Hist-410 Contemporary American History (3)

A study of the social, economic, political, legal, cultural, and foreign policy issues before the American people since 1960.

Hist-411 History and Literature of Aging (3)

See Gero-411.

Hist-417 African-American History (3)

Surveys the positions and conditions of Afro-Americans in various aspects of life in the United States. The problems and progress of blacks forced from Africa to present situations are included. Same as Soc-417.

Hist-421 Latin America (3)

Emphasis is placed on major forces and institutions shaping Latin America: Pre-Columbian cultures, Iberian heritage, economic development and dependence, social and political change after independence, relations with the U.S., study of selected nations.

Hist-451 Russia, the Soviet Union, and After (3)

A survey of Russian and Soviet history from early beginnings with special emphasis on political, social, economic, religious and cultural developments of modern Russia and the Soviet Union.

Hist-455 East Asian Civilizations (3)

Survey of traditional and contemporary social, political, and intellectual patterns of China and Japan. Asia and the West, the challenge of modernization, and the overturning of traditional social order in the twentieth century.

Hist-499 Honors Course (1) or (2)

Arranged for qualified Seniors.

LATIN

LAT-101 Latin I (3)

An introduction to the grammar, vocabulary and syntax of Latin. Select sentences will be read.

LAT-102 Latin II (3)

A continuation of Latin I. Select sentences and simple passages of prose will be read. Pre-requisite: LAT-101 or equivalent.

MATHEMATICS

Junior standing or higher is recommended for 300 or 400 level college courses in mathematics.

Math-122 Introduction to Statistics (3)

The fundamentals of elementary statistics, data collection and analysis, probability, distributions, sampling, hypothesis testing, correlation and regression.

Math-132 Intermediate Algebra (3)

An overview of fundamental algebraic concepts. Real and complex numbers, algebraic expressions, equations and inequalities,

functions, polynomials, rational expressions, graphing, exponential and logarithmic functions, systems of equations and matrices. Prerequisite: one year of high school algebra.

Math-142 Survey of Contemporary Mathematics (3)

Selected topics which may include graph theory, apportionment, fair division, voting methods, bin packing, cryptography and coding, probability and statistics, game theory, financial mathematics, non-Euclidean geometry, dynamics of growth, tessellations and symmetry. Open to students with fewer than three years of high school mathematics or those with departmental permission.

Math-151 Pre-Calculus Mathematics (3)

A study of elementary functions, their graphs and application, including polynomials, rational algebraic functions, exponential, logarithmic and trigonometric functions.

Math-175 Finite Mathematics (3)

Introduction to finite mathematics through the study of logic, sets, probability, statistics, game theory, vectors, matrices, and linear programming. Many applications.

Math-184 Calculus I (4)

A beginning course in the analysis of functions including analytic geometry. A study of limits, techniques and applications of differentiation, basic integration and transcendental functions. Prerequisite: four years of high school mathematics or equivalent.

Math-186 Calculus II (4)

A continuation of Calculus I. Topics studied include integration, analytical geometry and vectors in two-dimensional space, and techniques of integration. Prerequisite: Math-184 or instructor's permission.

Math-201 Concepts of Mathematics I (3)

An activities approach to problem solving, systems of numeration, properties of whole numbers, integers, fractions, real numbers, and numerical operations, number theory and statistics. Only available to Early Childhood and Elementary Education students.

Prerequisite: Sophomore level or higher.

Math-219 Introduction to Symbolic Logic (3)

An introduction to mathematical logic including history and development, sentential and predicate logic (including equivalence, implication, deduction, completeness, compactness, and soundness) cardinality, computability, and incompleteness. Same as Phil-319.

Math-252 Mathematical Structures (3)

A transition course which introduces students to logic, set theory, and the axiomatic method. This course is designed for students continuing to higher level mathematics courses.

Math-284 Calculus III (4)

A continuation of Calculus II. A study of analytic geometry in three-dimensional space, partial differentiation, multiple integration and infinite series. Prerequisite: Math-186.

Math-301 Concepts of Mathematics II (3)

An activities approach to studying mathematics concepts in probability, functions and algebra, and numerous topics in geometry. Geometrical topics include two- and three-dimensional geometry, constructions, congruences, motion and coordinate geometry symmetries and concepts of measurement. Prerequisite: Math 201 or one semester of calculus.

Math-305 Mathematics for Elementary/Middle Level Teachers (3)

An activity approach to teaching and learning mathematics concepts in geometry, probability, statistics, logic, and calculators. Special attention is devoted to various grade levels on which various topics are presented and how they can be presented. Prerequisite: three hours of college level mathematics and junior level standing, or permission of the arts and sciences division or education division.

Math-315 History of Mathematics (1)

The development of mathematics through-out various civilizations. It is designed to create an appreciation for our present mathematical system and an understanding of how our present mathematical system came to be what it is today. Prerequisite: Math-252 and three semesters of college mathematics.

Math-318 Seminar in Mathematics (1-3)

Math topics of interest, readings and problems in mathematics. Some topics included are transfinite numbers, angle tri-section, game theory, and sequences of complex numbers. Prerequisite: 15 hours of college mathematics or permission of instructor.

Math-321 Numerical Analysis (3)

An introduction to the basic algorithms of numerical analysis. Topics include floating point arithmetic, interpolation and approximation, numerical integration, systems of linear equations, solution of non-linear equations, and solution of ordinary differential equations. Assignments using Mathematica will give experience in applying selected algorithms. Prerequisite: CS-131 and 141, and Math-384 are strongly recommended. Same as CS-321.

Math-322 Foundations of Statistics (3)

A study of mathematical statistics including probability distributions sampling theory, point estimation, methods of correlation and regression, and the principles of statistical inference. Prerequisite: Math-284 or concurrent registration.

Math-323 Foundations of Statistics II (3)

A study of mathematical statistics including sampling theory, point estimation, game and decision theory, hypothesis testing, experimental design, methods of correlation and regression, ANOVA, and non-parametric tests. Prerequisite: Math-322.

Math-332 Abstract Algebra I (3)

An introduction to algebraic structures with an emphasis on groups, subgroups, and group isomorphisms. A brief introduction to rings, domains and fields. Prerequisite: Math-252 and upper level standing.

Math-333 Linear Algebra (3)

Linear algebraic structures, their theory and application. Matrices, determinants, linear transformations, programming, vectors and vector spaces, dependence, inner products, row operations and echelon systems. Prerequisite: Math-284; Math-252 is recommended.

Math-335 Number Theory (3)

Mathematical induction, greatest common divisor, fundamental theorem of arithmetic, prime and composite integers, and congruences. Prerequisite: Math-252 and three semesters of college mathematics.

Math-342 Abstract Algebra II (3)

A continuation of Math-332 with an emphasis on polynomials over integral domains and polynomials over field. Prerequisite: Math-332 or equivalent.

Math-348 Discrete Mathematics (3)

See CS-348.

Math-365 Foundations of Geometry (3)

An introduction to the general study of geometries including projective, finite, and non-Euclidean geometries. Prerequisite are high school geometry, three semesters of college mathematics and Math-252.

Math-382 Real Analysis I (3)

Properties of the real number system, sequences, limits, continuity, the derivative, Riemann integral, the Fundamental Theorem of Calculus and series. Prerequisite: Math 252 and 284.

Math-383 Real Analysis II (3)

Selected topics from limits, continuity, properties of the derivative, the Riemann, integral and the fundamental theorem of the Calculus. A natural continuation of Real Analysis I. Prerequisite: Math-382.

Math-384 Differential Equations (3)

A study of ordinary differential equations, first and higher order, systems linear and non-linear, their solutions and applications, including La Place Transforms. Prerequisite: Math-284.

Math-402 Practical Math Labs and Activities for Elementary Teachers (3)

This course is designed to give the elementary teacher practice in analyzing math materials for math activities and in writing and building these activities for the classroom. Emphasis will be on topics in geometry as: relationships in the triangle, on parallel lines, and in the circle; other elementary math topics will be investigated. Prerequisite: consent of instructor.

Math-475 Mathematical Modeling (3)

This course is an introduction to mathematical modeling of deterministic and stochastic dynamical systems. Differential equations, matrices, elementary probability and statistics will be applied to the development and analysis of continuous and discrete models that arise in the physical, biological, social and management sciences. Prerequisites: Math-322, 333, and 384.

MUSIC

Mu-101 Elements of Music (3)

Basic concepts of rhythm, melody, harmony and musical design are developed through listening, singing, playing, and creative activities. Discussion of various kinds of music from Bach to rock.

Mu-102 Aural Skills I (1)

An in-depth study of the fundamentals of music theory with emphasis on the development of aural performance and melodic perception: rhythm and meter, scales and key signatures, intervals, phrase and cadence. Singing, melodic dictation and creativity. Students whose program requires music theory must take Mu-102 concurrently with Mu-103.

Mu-103 Music Theory I (3)

Harmony I: The procedures of writing and analyzing music in the common practice idiom, including notation practices (including music notation with computer), triads and seventh chords, figured bass, lead sheet notation, setting texts to music, transposition, voice leading, part writing using triads, and basic musical form. A grade of C or higher in this course is required in order to register for Mu-105. Prerequisite: Mu-100.

Mu-104 Aural Skills II (1)

Continuation of Aural skills I including harmonic hearing, other scales, simple song forms. More advanced involvement in sight singing, melodic dictation and creativity. Students whose program requires this course normally take it concurrently with Mu-105.

Prerequisite: a grade of C or higher in Mu-102. Students in programs that require a second year of theory must achieve a C or higher in this course.

Mu-105 Music Theory II (3)

Harmony II: A continuation of Mu-103, the procedures of writing and analyzing music in the common practice idiom. Topics include non-chord tones, part writing and harmonization using seventh chords and secondary chords, modulations, and large-scale formal structures. Prerequisite: a grade of C or higher in Mu-103.

Mu-206 Music Theory III (3)

Harmony III; continuation of Harmony II beginning with a study of chromatic harmony including borrowed chords, Neapolitan chords as well as extended and altered harmonies. Analysis and composition based on techniques of the 19th and early 20th centuries. Prerequisite: grade of C or higher in Mu-105.

Mu-207 Music Theory IV (3)

Harmony IV; a continuation of Harmony III, analysis of, and composition in the basic polyphonic techniques and procedures as found in the motet, invention, and fugue. Analysis of significant larger forms of homophonic compositions as exemplified in theme and variations, rondo, and sonata allegro. Analysis of, and composition in the techniques and procedures of contemporary and electronic music. Prerequisite: grade of C or higher in Mu-206.

Mu-208 Form (2)

The study of form and analysis as applied to traditional art music. Prerequisite: Mu-207.

Mu-211 Music History to 1750 (3)

A survey of music literature and history from ancient times to about 1750. Prerequisite: Mu-103 and Mu-105.

Mu-212 Music History since 1750 (3)

A survey of music literature and history from about 1750 to the present day. Prerequisite: Mu-103 and Mu-105.

Mu-213 World Music (3)

A study of the unique musical styles and traditions associated with diverse world cultures including Latin America, the Middle East, Asia and Africa. Emphasis will be placed on the study of music in its cultural, social and historical contexts.

Mu-303 Arranging (2)

Problems of scoring for instruments such as range, tone qualities, balance, and blend. Particular emphasis on arranging music suitable for school ensembles. Prerequisite: Mu-105.

Mu-320 Seminar in Music (3)

An in-depth study of a topic selected by the instructor. May be repeated for credit when the topic differs. Prerequisite: Mu 211 or 212, or permission of instructor.

Mu-331 Basic Conducting (2)

Techniques of conducting and rehearsal procedures are emphasized through a study of literature suitable for school or church.

Mu-332 Instrumental Conducting (2)

The study of specific conducting techniques required for instrumental ensembles. Prerequisite: Mu-331.

Mu-333 Choral Conducting (2)

The study of specific conducting techniques required for leading choral rehearsals and performances. Prerequisite: Mu-331.

Mu-334 Choral Literature and Development (2)

An examination of selected sacred and secular choral music from the Renaissance to the present. Emphasis is placed on choral literature suitable for performance and programs at the elementary and secondary levels and/or choral music for the liturgical service and church year. (Previously listed as ChMu-317).

Mu-354 Diction (2)

The goal of this course is to incorporate the fundamental working knowledge of the International Phonetic Alphabet as it is used in vocal diction and pedagogy. Languages covered include English, Italian, German and French.

Mu-355 Sacred Vocal Literature (1)

A study of selections from the literature for solo voice from pre-Bach to the present.

Mu-399 Independent Study (1–3)

Hours and topics by arrangement with instructor. Used to pursue special interests in music.

Mu-401 Composition (2)

Instruction to those who are interested and qualified to do creative work in composition for the instrumental and vocal media. Prerequisite: Mu-207 and upper level standing.

Mu-493 Senior Project (2)

The capstone experience in the undergraduate study of music. Consists of the planning, preparation, and public performance of a full-length recital and a supporting written document. Enrollment limited to music majors.

MUSIC: APPLIED

The principal objectives of applied instruction are the development of performing competencies and the ability to read, understand, and bring to performance musical compositions.

Below are the various areas in which applied instruction is available. The first digit of each course number represents the level of instruction: "1" for beginning, "2" for advanced beginning, "3" for intermediate, and "4" for advanced. Students with prior experience on an instrument or voice should contact the music office for a placement exam. Students with no prior experience should register for the 100-level of the appropriate course. Course fees apply.

MuAp-x11 Trumpet I
MuAp-x12 French Horn
MuAp-x13 Trombone
MuAp-x14 Euphonium
MuAp-x15 Tuba
MuAp-x21 Flute
MuAp-x22 Oboe
MuAp-x23 Bassoon
MuAp-x24 Clarinet
MuAp-x25 Saxophone
MuAp-x31 Violin
MuAp-x32 Viola
MuAp-x33 Cello

MuAp-x34 String Bass
MuAp-x41 Percussion
MuAp-x51 Voice
MuAp-x61 Guitar
MuAp-x71 Piano
MuAp-x73 Harpsichord
MuAp-x81 Organ

The following Applied Music courses are also offered:

MuAp-x72 Piano Accompanying
MuAp-x82 Service Playing
MuAp-x83 Improvisation
MuAp-x84 Organ Accompanying

Applied music lessons are available for one credit; music majors may register for one or two credits. The only exception is MuAp-171 – Beginning Piano, which is only available for two credits and is available to all students regardless of major.

Applied music courses are not available for audit.

With the exception of MuAp-151, 161, 171, all lessons will incur a per-hour fee in addition to tuition charges.

MUSIC: CHURCH MUSIC

ChMu-195 Improvising in Contemporary Worship (1)

An introduction to a variety of improvisation techniques used to support the liturgy and message in worship. Prerequisite: ability to read music and sing or play a musical instrument.

ChMu-213 Literature of the Organ (1)

A study of the music of the organ from the Renaissance to the present and its relationship to general music history. Special consideration of music which may be used in the Lutheran service.

ChMu-275 Hymn Adaptations I (2)

An introduction to hymn adaptations using techniques influenced by jazz, such as bossa nova, rhythm and blues, and rock and jazz-influenced ballads. Prerequisites: Mu-105 with a grade of C or higher in Mu-105 (Music Theory II).

ChMu-313 Christian Hymnody (2)

A study of the hymns of western Christianity. Although those used by Lutherans will be a particular focus, the course includes hymns from all traditions.

ChMu-315 Organ Registration (1)

A study of the physical principles governing organ design and registration. A practical application of these historic concepts to literature played on instruments commonly found in 20th century churches.

ChMu-411 Lutheran Service (2)

An introduction to Christian liturgy, with particular attention paid to Lutheran use. Includes a discussion of theological, textual, musical and cultural issues.

ChMu-431 Church Music Methods and Administration (1)

The administration of a comprehensive parish music program, with consideration of professional and ethical issues for church musicians. For students in the parish music program.

MUSIC: ENSEMBLES

In order to meet varying interests, the music department offers a wide choice of instrumental, choral, and mixed ensembles. The essential purposes of each ensemble are artistic performance and the development of musicianship. Ensembles are open to all students; however, auditions are necessary with the exception of the Concordia Chorale and the University–Community Concert Band which are open to all. Music majors are encouraged to participate in an ensemble each semester. All ensembles may be taken for credit or audit. Course numbers may be repeated.

Mu-232 Male Chorus (1)

Easy to moderately difficult choral literature in male voice arrangements. Participation includes performances in chapel, Sunday

services, Christmas at Concordia, and Spring Concert. (Shared with Women's Chorale). P/F

Mu-233 Women's Chorale (1)

Easy to moderately difficult choral literature in female voice arrangements. Participation includes performances in chapel, Sunday services, Christmas at Concordia, and Spring Concert. (Shared with Male Chorus). P/F

Mu-236 University A Cappella Choir (1)

The University A Cappella Choir is the concert choir of the university and the premier choral ensemble. Repertoire for the 65-voice select mixed choir is chosen from the entire spectrum of choral music, including new works by local and regional composers as well as music from a variety of cultures. The choir maintains a rigorous rehearsal and travel schedule, touring nationally and internationally. Membership is by audition. P/F

Mu-237 University Chamber Choir (1)

The University Chamber Choir is a 16-voice select choir that sings a diverse repertoire of chamber choral music. The group travels regionally and nationally. Members are chosen from the University A Cappella Choir. P/F

Mu-238 University Festival Chorus

The University Festival Chorus is a large chorus (120) comprised of the University A Cappella Choir, and the Concordia Singers. The Chorus performs large-scale concert choral works with orchestra bi-annually.

Mu-241 University Symphonic Band (1)

The University Symphonic Band is the university's premier instrumental ensemble. Repertoire for the ensemble is chosen from the entire spectrum of wind ensemble and concert band literature and includes everything from new commissions to traditional literature to music of other cultures. The ensemble keeps an active rehearsal and travel schedule both regionally and nationally. Membership is by audition.

Mu-242 University-Community Band (1)

The University-Community Band performs literature from the concert band repertoire. Membership is open to all students, adult community members and advanced students from local high schools. The group performs on-campus concerts. P/F

Mu-244 Brass Ensemble (1)

A chamber ensemble which performs music appropriate for the brass idiom. A broad range of literature is explored from the Renaissance to the 20th century. Performs frequently for chapel and off-campus events. P/F

Mu-245 Small Ensemble (1)

Study of ensemble literature for homogeneous groups of strings, winds, or percussion; or mixed ensembles including keyboard instruments and/or voice. Instructor's permission required. P/F

Mu-246 Jazz Ensemble (1)

The Jazz Ensemble performs music from the big band era to the latest jazz fusion charts. Appears for campus events, school assemblies and off campus concerts. P/F

Mu-247 Handbell Choir (1)

The Handbell Choir prepares works from standard handbell literature for use in worship services on and off campus. Participation in chapel and concert appearances. P/F

Mu-252 University 5 O'Clock Praise Band (1)

The University 5 O'Clock Praise Band studies and performs many of the top 20 CCLI Christian songs and hymn adaptations within a variety of jazz-influenced styles such as rock, R&B, samba, blues, funk, fusion, and reggae for chapel and special gatherings on campus. P/F

MUSIC: SCHOOL MUSIC

ScMu-262 Techniques in Woodwinds (2)

Representative woodwind instruments of the band and orchestra including flute, oboe, clarinet, bassoon, and saxophone. Correct tone production, knowledge of fingerings on all woodwind instruments and the care of instruments. The student will acquire sufficient facility in each instrument to be able to demonstrate various teaching techniques.

ScMu-263 Techniques in Brass (2)

Playing techniques of the trumpet, French horn, trombone, baritone and tuba. Problems of tone production, posture, breathing, and articulation through the study of elementary materials. The student will acquire sufficient facility in each instrument to be able to demonstrate various teaching techniques.

ScMu-264 Techniques in Percussion (2)

Basic percussion techniques are developed with emphasis on the snare drum. Timpani, Mallet instruments, Latin American instruments, and cymbal techniques are also covered. Percussion ensemble materials and elementary methods are used. The student will acquire sufficient facility in each instrument to be able to demonstrate various teaching techniques.

ScMu-265 Techniques in Strings (2)

Elementary instruction in violin, viola, cello and bass, including tuning, bowing, fingering, knowledge of positions and care of instruments. The student will acquire sufficient facility in each instrument to be able to demonstrate various teaching techniques.

ScMu-317 Instrumental Literature and Development (2)

A study of available instrumental solo and ensemble literature which is suitable and applicable to instrumental performance and programs at the elementary and secondary levels. Special consideration is given to concerted music useful for worship services.

ScMu-328 Methods of Elementary Music (2)

The place and importance of classroom music. Techniques of teaching the elements of music; materials, creativity, classroom instruments, singing.

ScMu-431 Organization and Administration of Elementary and Secondary Music (2)

A study of the organizational structure of the total music program K-12 with special emphasis on developing a philosophy of music education, curriculum, administration, supervision, and development of classroom and special music programs and organizations.

ORGANIZATIONAL MANAGEMENT*

***For Degree Completion Program Students Only**

ORGM-301 Group and Organizational Behavior (3)

A study of group formation, development and performance as it affects organizational effectiveness. Emphasis includes exposure to decision making and resolving conflicts in groups. Students develop strategies for efficient, productive group management and determine which tasks are best handled by groups as opposed to individuals. Students are also exposed to intergroup dynamics and management strategies.

ORGM-302 Human Relations and Workplace Diversity (2)

Addresses human relations as they relate to workplace diversity. Issues stemming from differences in social characteristics such as age, gender, race, ethnicity, national origin, ableness, and sexual orientation will be addressed.

ORGM-303 Management Concepts (3)

Students examine the formal and informal functions of organizations and analyze an agency or organization based on a systems model. Students will be introduced to the concept of world view and encouraged to explore how their beliefs and understandings influence their personal world views. Students will also analyze and solve organizational problems using multiple techniques. This analysis will be applied to students' work-related study projects.

ORGM-304 Methods of Research and Analysis (3)

An introduction to research and its tools with specific emphasis upon helping the student complete business research and understand managerial decision-making. Content will include statistical methods, database development, research methods, and analysis of a problem or opportunity suitable for the business research module.

ORGM-305 Senior Thesis, Part I (2)

This is a major research effort with the purposes of 1) enhancing knowledge in an area related to one's work or community, 2) improving writing skills, 3) improving public presentation skills, and 4) providing research skills that will assist in effective decision making. Students will identify research topics that reflect a business situation with current and future implications. The initial oral presentation on progress will be made in this module.

ORGM-306 History and Literature of the Old Testament (3)

A historical and theological survey of the Old Testament era and the Old Testament writings with an emphasis on summarizing and communicating their major themes.

ORGM-407 Organizational Communication (3)

This course investigates the role of communication in creating a productive organizational environment. It aids students in developing or strengthening their communication skills by focusing on interpersonal, group, and presentation skills.

ORGM-408 Accounting for Managers (3)

An overview of the acquisition, analysis, and reporting of financial information, including a study of income statements, balance sheets, cash flow, budgets, changes in financial position, and ratio analysis. Emphasis is on reading and understanding accounting documents rather than preparation.

ORGM-409 Human Resource Administration (3)

Students explore the values and perceptions of selected groups affecting social and economic life through an analysis of policies and practices of recruitment, selection, training, development, and compensation of employees. Special attention is given to Equal Opportunity and Office of Safety and Health Administration legislation through case studies and simulations. Principles of economics as they need to be understood and utilized by managers and supervisors in all fields. The internationalization of our economy and possible actions affecting the economy of all organizations will be included.

ORGM-410 Managerial Economics (3)

Principles of economics as they need to be understood and utilized by managers and supervisors in all fields. The internationalization of our economy and possible actions affecting the economy of all organizations will be included.

ORGM-411 History and Literature of the New Testament (3)

An historical and theological survey of the New Testament era and the New Testament writings with an emphasis on summarizing and communicating their major themes.

ORGM-412 Marketing in a Global Economy (3)

Students will be exposed to basic marketing theory and terminology and then given the opportunity to apply this newly acquired knowledge to analyze real-world cases exploring domestic and international marketing opportunities and problems. This exploration is designed to provide students with the skills necessary to identify and evaluate critical marketing data and to develop workable programs to solve problems and capitalize on opportunities.

ORGM-413 Principles of Management and Supervision (4)

Students examine motivational theory and its applications to individual and group functioning in work and home situations. Leadership styles related to particular circumstances are analyzed. Power, politics, and the management of conflict are covered through readings and class practice, with an analysis of the effect on productivity and job satisfaction. Students will be introduced to management techniques which promote creativity and continuous improvement.

ORGM-414 Organizational Ethics (3)

This course surveys ethical issues confronting business in the context of the students' personal world views. Students are asked to improve management accountability and respect for human rights, and to lead a responsible lifestyle in the contemporary world.

ORGM-415 Senior Thesis, Part II (2)

This is the culmination of more than a year's research and writing on a topic of employer or community interest. The writing of the project is completed and the findings and conclusions are presented orally to the group.

ORGM-416 Ministry in a Changing World (3)

Living in a society in which life's meaning is not self-evident, class members will explore Biblical perspectives on finding meaning through service in family, work, church, community and leisure. A required course for students in all programs.

PHILOSOPHY

Phil-301 Concepts in Philosophy (3)

A general orientation in the field of philosophy through a consideration of its major types and problems. Emphasis upon the practice of critical thinking and an appreciation of the greater thought systems of history.

Phil-311 History of Philosophical Thought I (3)

An introduction to western philosophy through the study of leading thinkers and their systems of thought. The course begins with the pre-Socratic period in Greece (5th century B.C.), moves through the beginning of the Christian era and culminates in the Medieval era to the 14th century.

Phil-312 History of Philosophical Thought II (3)

An introduction to Western philosophy beginning with the rise of the scientific method and the beginnings of modern empiricism, centering then on the watershed of Western philosophy, that is, Immanuel Kant, and his immediate successors, and concluding with the survey of 20th century thought and the age of analysis.

Phil-319 Introduction to Symbolic Logic (3)

See Math-219.

Phil-499 Honors Course (3)

The course is designed to offer some flexibility for the student wishing to accomplish a minor in philosophy. By agreement with the department the student can accomplish a semester focus on a particular philosopher or school of philosophy or issue in philosophy. The student can fulfill this course also by work in their major department on a topic or school of thought that investigates philosophical underpinnings and questions pertinent to their major discipline, e.g., philosophy of science, philosophy in literature, philosophical theology, etc. This option should be undertaken by mutual agreement of both the philosophy instructor(s) and the pertinent department instructor and their departments.

PHYSICS

Phys-109 Introductory Physics (3)

Lecture 2, Lab. 2 - An introduction to the concepts of physics used to understand and explain the sensibleness of nature, particle and wave ideas, theories that explain everyday phenomena. Not open to students who have had a year of high school physics.

Phys-110 Principles of Physics (4)

Lecture 3, Lab. 2 - A study of general physics through experiments, lectures and discussion. Science as a way of knowing — Scientific methodology and practice; mechanics of particles and of waves; momentum, energy and conservation laws; thermodynamics; electricity and magnetism; light; relativity and quantum mechanics.

Phys-111 General Physics I (4)

Lecture 3, Lab. 2 - Experiments, lectures and discussions to reveal the sensibleness of nature via mechanics of particles and waves as models, relativity and conservation laws, momentum and energy, and the nature of scientific inquiry. Prerequisite: a year of high physics or Phys-109, one year of high school algebra or equivalent and trigonometry (concurrent registration acceptable).

Phys-112 General Physics II (4)

Lecture 3, Lab. 2 - Continuation of Physics 111 with special emphasis on electricity and magnetism, light, and relativity and their relation to conservation principles and current scientific explanation. Prerequisite: Phys-111 or equivalent.

Phys-211 General Physics I Calculus Topics (1)

Lecture 1. A calculus-based treatment of topics covered in Phys-111. Enrollment in Phys-211 and Phys-111 is equivalent to taking a calculus-based general physics course. Prerequisites: Phys-111 or concurrent registration. Math-184 or concurrent registration with instructor's permission.

Phys-212 General Physics II Calculus Topics (1)

Lecture 1. A calculus-based treatment of topics covered in Phys-112. Enrollment in Phys-212 and Phys-112 is equivalent to taking a calculus-based general physics course. Prerequisites: Phys-112 or concurrent registration. Math-186 or concurrent registration with instructor's permission.

Phys-221 Statics (3)

The study of forces on bodies in equilibrium. Force systems, equilibrium, structures, trusses, frames and machines, distributed forces, beams, friction, centers of mass and moments of inertia. Prerequisites: Math-186, Phys-111 or equivalent.

Phys-321 Introductory Mechanics (3)

Lecture 3 - Calculus treatment of the motion of particles and rigid bodies using Newtonian force methods: non-inertial reference frames, classical mechanics, relativistic laws of motion of a particle. Prerequisites: calculus and Phys-111 or permission of instructor, Phys-381 is recommended.

Phys-331 Descriptive Astronomy (3)

Lecture 3 - See Science-331.

Phys-351 Classroom Activities with Physical Science (3)

Lecture 1, Lab. 4 - See Sci-351.

Phys-371 Electronics (3)

Laboratory approach to the study of integrated circuits and transistors. Classroom component for supporting theory. Prerequisites: calculus and General Physics II.

Phys-381 Modern Physics (3)

Lecture 3 - Physics of the 20th century. Relativity, the wave-particle duality, atomic models, the quantum theory. Prerequisites: general physics and calculus.

Phys-382 Advanced Physics Lab. I, II, III (1)

Lab. 3 - Selected experiments in modern physics requiring library research. Prerequisite: Phys-381 or concurrent registration. May be taken more than once.

Phys-383 Introduction to Nuclear and Particle Physics (3)

Study of nuclear radiations, nuclear structure and models, and the energetics of sub-atomic particle interactions. Prerequisite: Phys-112 and 381, Calculus or concurrent registration, or permission of instructor.

Phys-390 Electricity and Magnetism (3)

Study of electrical and magnetic phenomena and their understanding through models and formulation. Prerequisite: Phys-112 and Math-186 or equivalent, Phys-381 is recommended.

Phys-395 Advanced Topics in Physics Seminar (3)

Advanced study of the concepts and techniques of an area of physics important to the field and outside the content of other physics courses. Specific topics will be determined by the instructor and the students, and may include Quantum Mechanics, Thermodynamics, Optics, Astrophysics, or Atomic Physics. Prerequisites: Upper-level standing in physics or physical sciences, or approval of the instructor.

POLITICAL SCIENCE

PS-111 American Government (3)

An analysis of the U.S. political system and its operation, with emphasis on the national level; constitutional basis of the system, civil rights and liberties, major branches of government, political parties, interest groups, elections, policies and policy making.

PSYCHOLOGY

Psy-101 Introduction to Psychology (3)

The course is a survey of psychology as a natural science and a social science. As a study of human behavior and the mind, the course examines current sub-areas of psychology with attention to neurology, the environment, situation and experience, and the self. Throughout the content, the course also considers how presuppositions in philosophy and theology intersect, integrate, and conflict with views on the human condition.

Psy-210 Educational Psychology (2) See Educational Psychology - EDPS-210

Psy-211 Child Development and Psychology (2)

An in-depth study of factors influencing the development and behavior of children from conception through adolescence. Prerequisite: Sophomore standing.

Psy-212 Child Development and Psychology: Young Children (1)

An intense study of the preschool-age child in twelve key areas of development. Involves weekly observations of a preschool child in a childcare setting. Thirteen hours of field experience is required. Prerequisite: Psy-211, or take simultaneously, and sophomore standing.

Psy-221 Lifespan Development (3)

This course will address the entire range of the human life chronologically from the moment of conception through death focusing on the physical, cognitive, social and personality development of each chronological period. Basic theories, research findings, and practical applications will be discussed.

Psy 241 Child Psychology (3)

This course will address the development of the child from conception to adolescence focusing on the physical, cognitive, social and personality development of childhood. Basic theories, research findings, and practical applications will be discussed.

Psy-290 Health Psychology (3)

See HHP-290.

Psy-306 Introduction to Psychological and Social Research (3)

See Soc-306.

Psy-324 Psychology of Exceptionality (3)

This is a survey course which attempts to develop an understanding and appreciation for students with special needs. Characteristics of those with learning disabilities, physical challenges, behavioral disabilities, developmental delays, hearing and vision impairment, and giftedness are studied. Prerequisite: Sophomore standing. Education: EDPS-210, Psychology majors: Psy-101. 12 hours of field experience is required.

Psy-341 Group Techniques (3)

A seminar-laboratory approach for the study of group work and the group process as they apply to the self, the classroom, youth work, business, and society. Prerequisite: Psy-101.

Psy-385 Psychological and Sociological Analysis of Modern Literature (3)

See Eng-385.

Psy-406 Applied Research (3)

See Soc-406.

Psy-421 Adolescent Psychology and Development (2-3)

The course presents an arranged sequence of psychological and development theories, concepts, and insights designed to inform the practitioner working with adolescents. The content and class interaction cumulatively examine adolescent behavior and belief systems. The aim is to assist the practitioner with grounded yet flexible decision-making when working with young people in the contexts of counseling, teaching, youth ministry, family, and community. Prerequisite: Upper level standing.

Psy-422 Psychology and Development of the Young Adolescent (1)

The course focuses on 10- to 15-year olds as they are beginning the transformation from childhood to adolescence. Targeted developmental areas are physical/sexual, social, spiritual, emotional, and cognitive development. Prerequisite: Psy-211 or Psy-421, or simultaneous enrollment.

Psy-442 Introduction to Counseling (3)

This introductory course is designed to assist the student to 1) reflect upon attitudes as a helping person; 2) increase ability to use a problem management model; 3) acquire the various skills that under gird an effort to effectively listen and respond to another person; and 4) develop a personal philosophy of helping. Prerequisite: Psy-101 and upper level standing.

Psy-445 Abnormal Psychology (3)

Reviews theories and methods which underlie the classification and study of as well as responses to abnormal behavior. Prerequisites: Psy-101 and upper level standing.

Psy-451 Personality Theory (3)

A study of the dynamic organizations within the human organism of those psychophysical systems that determine the individual's unique adjustments to his/her environment. Empirical and speculative viewpoints are studied with careful differentiation between surface and depth factors. A variety of personality theories are explored for direct applicability to the work of teacher, counselor and enabler. Prerequisites: Psy-101 and upper level standing.

Psy-481 Practicum in Psychology (3)

The practicum in psychology is a planned and supervised educational experience which integrates the knowledge and theory of psychology gained through course work with field experience. Students reflectively observe professionals in the field and participate in meaningful and appropriate ways in the work at hand. Prerequisite: advisor's recommendation. Upper level standing. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

Psy-499 Psychology Honors (1)

Arranged for qualified students to conduct research, present research or to assist faculty in psychology related endeavors.

RELIGION

Rel-101 Introduction to the Bible (3)

A historical and theological survey of the Bible emphasizing the thematic unity of the Holy Scriptures fulfilled in Jesus Christ. The course prepares the student to take either Religion 121 or Religion 131 as fulfillment of the Religion General Education requirements.

Rel-121 History and Literature of the Old Testament (3)

A historical and theological survey of the Old Testament era and the Old Testament writings with an emphasis on summarizing and communicating their major themes.

Rel-131 History and Literature of the New Testament (3)

A historical and theological survey of the New Testament era and the New Testament writings with an emphasis on summarizing and communicating their major themes.

ROTC

Most ROTC courses are held on UNL's main campus in Lincoln. Please check with the Registrar's Office.

AERO-185/185L Foundation of the United States Air Force I/Leadership Lab (1/0 cr)

Officership, communication skills, opportunities, and benefits in today's U.S. Air Force. A weekly one and one-half hour Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

AERO-186/186L Foundation of the United States Air Force II/Leadership Lab (1/0 cr)

Communication and leadership skills, US Military history, and the organizational structure of today's US Air Force. A weekly one and one-half hour Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

AERO-295/295L The Evolution of US Air and Space Power I/Leadership Lab (1/0 cr)

Prereq: AERO-186 or permission. History of the development and deployment of airpower from the Wright Brothers' first flight to the Persian Gulf War and how the events were affected by technology, politics, doctrine, and geography. Emphasizes US airpower. Lab introduces cadet leadership training with practical experience.

AERO-296/296L The Evolution of US Air and Space Power II/Leadership Lab (1/0 cr)

Prereq: AERO-295 or permission. History of the development and deployment of airpower from the Wright Brothers' first flight to the Persian Gulf War and how the events were affected by technology, politics, doctrine and geography. Emphasizes US airpower. Lab continues activities of 295L.

AERO-331/331L Air Force Leadership Studies I/Leadership Lab (3/0 cr)

Prereq: Permission of professor of aerospace studies. Communications skills, leadership, quality initiatives, and human relations. Requires cadet research and participation in the instructional process. Lab includes practical application of the principles of leadership in the operation and administration of the cadet wing.

AERO-332/332L Air Force Leadership Studies II/Leadership Lab (3/0 cr)

Prereq: AERO-331, or permission of professor of aerospace studies. Principles of leadership, professionalism, ethics, communications skills, and problem solving, including quality leadership applications. Lab continues activities of 331L.

AERO-441/441L National Security Affairs and Preparation for Active Duty I/Leadership Lab (3/0 cr)

Prereq: AERO 331, 332, or permission of professor of aerospace studies. Environment in which defense policy is formulated. Requisites for maintaining adequate national security forces; political, economic, and social constraints of the national defense structure; and the overall defense policymaking process. Lab continues activities of 332L.

AERO-442/442L National Security Affairs and Preparation for Active Duty II/Leadership Lab (3/0 cr)

Prereq: AERO-331, 332, and 441 or permission of professor of aerospace studies. The armed forces as an integral element of society; the broad range of civil-military relations. The role of the professional officer in a democratic society, the socialization process within the armed services, and the military justice system. Lab continues activities of 441L

MLSC-101/101L Foundations of Officership/ Leadership Lab I (1/0 cr)

Issues and competencies central to a commissioned officer's responsibilities. Understanding officership, leadership, Army values and life skills, such as physical fitness and time management. Lab includes challenging, rewarding, and practical activities in military skill development.

MLSC-102/102L Basic Leadership/Leadership Lab II (1/0 cr)

Foundations of leadership: problem solving, communications, military briefings, effective writing, goal setting, physical well-being, techniques for improving listening and speaking skills and counseling. Lab continues activities of Lab I.

MLSC-201/201L Individual Leadership Studies/Leadership Lab III (2/0 cr)

Introduction to replicating successful leadership characteristics through observations during experiential learning exercises. Record characteristics, discuss them in small group settings and use them in subsequent activities. Practice communications skills necessary

for leadership roles, especially in military environments. Lab parallels Lab I with possible leadership roles within the Cadet Corps.

MLSC-202/202L Leadership and Teamwork/Leadership Lab IV (2/0 cr)

Building successful teams, methods to influence group actions, effective communications within groups, creativity in problem solving and how to motivate subordinates and peers. Using these skills in the context of military environments, such as while performing land navigation and infantry tactics. Lab continues activities of Lab III.

MLSC-301/301L Leadership and Problem Solving/Leadership Lab V (3/0 cr)

Conduct self-assessments of leadership style, develop a personal fitness regimen, and plan and conduct individual/small unit tactical training, while testing reasoning and problem solving techniques. Direct feedback on leadership abilities. Lab includes leadership positions in the cadet corps, tactics and weapons training, preparation for final year.

MLSC-302/302L Leadership and Ethics/Leadership Lab VI (3/0 cr)

Role of communications, values and ethics in effective leadership. Ethical decision making, consideration of others, spirituality in the military and Army leadership doctrine. Improve oral and written communication abilities. Lab continues activities of Lab V.

MLSC-401/401L Leadership and Management/Leadership Lab VII (3/0 cr)

Proficiencies in planning and executing complex operations, functioning as a member of a staff and mentoring subordinates. Training management, methods of effective staff collaboration, and developmental counseling techniques. Lab includes practice through developing, planning, and conducting leadership labs.

MLSC-402/402L Officership/Leadership Lab VIII (3/0 cr)

Case study analysis of military law and practical exercises in establishing an ethical command climate. Complete a semester-long Senior Leadership Project that requires: plan, organize, collaborate, analyze and demonstrate leadership skills. Lab continues activities of Lab VII.

SCIENCE

Sci-202 Science of Everyday Things (2)

Lecture 1, Lab. 2 - Study of the science of everyday things with special use of particle and wave models. Understanding and explaining a wide variety of common phenomena in our lives; weather, household items, color effects, radio, TV, electricity, athletics, heating and cooling, etc. Prerequisite: H.S. biology, chemistry, and physics or equivalent.

Sci-230 Introduction to Forensic Science – Lecture (3)

Lecture 3 - See Bio-230

Sci-231 Introduction to Forensic Science Lab (1)

Lab. 2 - See Bio-231

Sci-281 Physical Geography and Geology (4)

Lecture 3, Lab. 2 - See Geog-281.

Sci-315 Environmental Science (3)

See Geog-315.

Sci-331 Descriptive Astronomy (3)

Introductory study of what is known about the universe and how this knowledge is gained. Prerequisite: H.S. physics or equivalent. Same as Phys-331.

Sci-351 Classroom Activities in Physical Science (3)

Lecture I, Lab. 4 - Practical guidance and experience in the planning, preparation and execution of educational activities in introductory physical science, chemistry and physics. Useful for all levels with special emphasis on grades 7-12. Same as Phys-351.

Sci-365 Science and Society (1)

Lectures and periodical readings on recent and current science topics of interest to the "layman." Science topics chosen for their impact on the individual and on society. Moral and religious implications of ideas and scientific advances are explored. P/F

Sci-381 Meteorology and Oceanography (3)

See Geog-381.

Sci-385 Field Techniques and Geodata Collection (3)

See Geog-385.

Sci-386 Bio-Fuels Management (3)

Provides employees, managers, and potential employees in the bio-fuels industries a fuller understanding of the management, science, and technology involved in bio-fuel development. Students will focus on the entire process of bio-fuel manufacture, including the economics of grain/oilseed supply, fermentation/distillation processes, production management, marketing, and distribution, and the chemistry of fuels. Same as Bus-386.

SERVICE LEARNING

SL-370 Leadership Lab (2)

Students explore the personal challenges and opportunities of being leaders in action. Students will discover their interpersonal, organizational, and personal development skills and strengths. Activities, assignments, and readings focus on leadership theory and practical applications. Students will execute and reflect on a leadership focused service-learning project they have proposed and developed through the S-L Resource Center.

Prerequisites: junior or senior standing, declared major, approved proposal, and instructor permission are required.

SL-380 Special Topics (2-3)

Special course developed and offered to explore interdisciplinary or advanced program connections to particular community issue or need led by faculty members with interest and experience in the special topic area. Course title and credits will vary per department focus, course objectives, and depth of service-learning experience.

Prerequisites: junior or senior standing, declared major, and permission of instructor are required.

SL-390 Self-directed Study (2)

Student engages in a self-directed exploration of a particular community issue or need relevant to their major or area of study. Student will develop a service-learning project proposal working with the S-L Resource Center and will then work directly with a service-learning faculty member on specific readings and other assignments to meet course objectives and student learning goals.

Prerequisites: junior or senior standing, declared major, and approved proposal are required.

SOCIAL WORK

SW-201 Introduction to Social Work (3)

An orientation to the field and profession of social work, with emphasis on the role of the social workers. Historical and theoretical perspectives are examined, along with current trends and issues facing the profession.

SW-311 Social Work Internship I (3)

Supervised instruction to acquire skills in social work practice and to test in a field setting social work principles and practices.

Students spend approximately 135 hours during the semester in this experience. Prerequisite: SW-201. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

SW-312 Social Work Internship II (3)

A continuation of SW-311, with approximately 135 hours of supervised field experience. Prerequisite: SW-311. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

SOCIOLOGY

Soc-101 Introduction to Sociology (3)

Systematic analysis of culture, society, socialization, social control, social processes, and social institutions.

Soc-201 Cultural Anthropology (3)

A survey of cultural anthropology with emphasis on culture, cultural diversity, social structure, social system components, language and communication, socio-linguistics, social control, and cultural change.

Soc-221 Social Problems (3)

Examines major social issues in America society, problems of the young and the elderly, alienation, deviant behavior, ecological problems, bureaucratic structure vis-a-vis individual freedom, and social disorganization. Prerequisite: Soc-101.

Soc-306 Introduction to Psychological and Social Research (3)

This course is an introduction to the philosophy, values, methodology, and objectives of psychological and social research. The main objective of this course is for the student to successfully complete a viable research proposal. Considerable emphasis is given to the following: use of the scientific method in social research; selection of a research problem; review of related literature and theories; structure of a research proposal; descriptive methods; instrument development; experimental methods; and applied research.

Prerequisite: Soc-101 or Psy-101; Math-122; Junior standing. Same as Psy-306.

Soc-312 Urban Sociology (3)

The structure, functioning, and traits of urban society. Urban growth, ecology, culture problems and planning. Prerequisite: Soc-101.

Soc-321 Criminology (3)

This course examines the theories, causes and different responses to crime. It examines crime in the U.S. and other countries from juvenile to adult crime and differences between males and females in addition to what is even considered crime. Prerequisite: Soc-101

Soc-331 The Family (3)

The family as a basic social institution with special references to changing family structure and function. Special attention is given to changing social roles of family members and their impact upon other institutions such as the school and the church. Sem. II only.

Prerequisite: Soc-101.

Soc-333 Social Gerontology (3)

This course is a basic introduction of social issues and theories of the aging process. Emphasis is given to the biological and psychological aspects as well as self-awareness of aging. Prerequisite: Soc-101

Soc-335 Sociology of Religion (3)

Analyzes sociological theories pertaining to religion. Studies research data regarding the structure of and function of religious practices and institutions, including the influences of cultural factors upon religious systems. Prerequisite: Soc-101 or permission of instructor.

Soc-345 Social Psychology (3)

Social influences on the social and psychological development of the individual; the interaction process, role relationships, development of beliefs and attitudes, dynamics of social groups. Prerequisite: Soc-101 or Psy-101.

Soc-361 Social Theory (3)

An intensive examination of selected major social theories and theorists and an introduction to the fundamentals of theory building and the evaluation of theories in the social sciences. Prerequisite: Soc-101.

Soc-406 Applied Research (3)

This seminar is designed to integrate the student's past course work in psychology and sociology in an effort to focus specifically on a current social problem or issue. The main objective of this course is for the student to successfully complete a research project based on the research proposal developed in Psy/Soc-306. Considerable emphasis is given to the following: structure of a research report; data collection; data analysis; data interpretation; contribution to or support of related literature and theories; and presentation and publication of findings. Prerequisite: Psychology and/or Behavioral Science Major; successful completion (grade of C or higher) of Psy/Soc-306. Same as Psy-406.

Soc-417 Afro-American History (3)

May be taken as a sociology elective. See Hist-417.

Soc-499 Honors Course

Arranged for qualified seniors.

SPANISH

Span-101 Beginning Spanish I (3)

Aural-oral aspect of the language. Fundamentals of grammar with practice in reading and writing. Ordinarily not open to students having had more than one year of high school Spanish.

Span-102 Beginning Spanish II (3)

A continuation of Spanish I with increased emphasis upon speaking, reading, and writing skills. Prerequisite: Span-101 or equivalent.

Span-201 Intermediate Spanish I (3)

A systematic review of Spanish grammar. Development of writing and speaking skills. Study of selected aspects of Hispanic culture and society through reading and discussion. Prerequisite: Span-102 or equivalent.

Span-202 Intermediate Spanish II (3)

A continuation of topics and skills studied in Span-201. Reading and discussion of Spanish and Latin American literature and contemporary writings. Prerequisite: Span-201 or equivalent.

Span-203 Intensive Conversation (3)

A course in intensive conversation in Spanish, supported by study of vocabulary, reading, grammar review, and discussion and presentations in class on selected themes. Prerequisite: Span-202 or permission of instructor.

Span-204 Intensive Composition (3)

An intensive composition course in Spanish supported by a review of grammar, vocabulary study, reading, and in-class conversation. Prerequisite: Span-202 or permission of instructor.

Span-321 Spanish Civilization and Culture (3)

This course explores the history, culture and civilization of Spain. Prerequisite: Span-202.

Span-331 Latin American Culture (3)

A historical examination of the development of Latin American societies along with a study of major cultural characteristics of modern Latin American societies. The course is taught in Spanish. Prerequisite: Span-202 or above.

Span-341 Introduction to Hispanic Literature (3)

An introductory reading course in literature (short story, poetry, novel) of Spanish-speaking countries. Prerequisite: Span-203 and 204 or permission of instructor.

Span-342 Introduction to the Analysis of Hispanic Literature (3)

An introduction to the analysis of literature (narrative, poetry, drama) of Spanish-speaking countries. Prerequisite: Span-341 or permission of instructor.

Span-399 Independent Study (1-6)
Topic or program hours by arrangement.

THEOLOGY

Theology 210 Faith and Life (3)

This course examines the implications of Lutheran Christian theology for an understanding of vocation at both the personal and corporate levels. The emphasis of the course is on the application to life of biblically based Lutheran theology. Topics to be explored will include, but will not be limited to: a survey of the Reformation era, the proper distinction between Law and Gospel, two-kingdoms theology, the priesthood of all believers, vocation, stewardship, ethics, and select contemporary issues in Christian theology.

Prerequisites: Fulfillment of the Biblical Literacy component of General Education.

Theo-241 Interpretation of Selected Old Testament Prophetic Books (3)

Particular attention is given to developing interpretation skills, planning Bible studies, and devotions. This course focuses attention on selected Old Testament prophetic books. Prerequisite: Rel-121.

Theo-242 Interpretation of Selected Psalms (3)

Designed to develop skills in interpretation, planning Bible studies, and writing devotions. This course focuses attention on selected Psalms. Prerequisite: Rel-121.

Theo-251 Interpretation of Selected Pauline Epistles (3)

Particular attention is given to developing interpretation skills, planning Bible studies, and devotions. This course focuses attention on selected Pauline Epistles. Prerequisite: Rel-131.

Theo-252 Interpretation of the Gospels (3)

Particular attention is given to developing interpretation skills, planning Bible studies, and devotions. This course focuses attention on the Gospels. Prerequisite: Rel-131.

Theo-331 Studies in the Life of Christ (3)

The setting, activity, significance, and evaluation of the person and work of Jesus on the basis of Scripture, historical literature, and recent scholarship. Prerequisite: Rel-131.

Theo-361 Christian Doctrine I (3)

This course examines Lutheran doctrine and applies it to the work, worship, and life of the Christian community. The topics are the nature and authority of Scripture, the nature of God, creation, the nature of man under grace and law, and the person and the work of Christ. Prerequisites: Theo-241 or 242 or 251 or 252 and upper level standing.

Theo-362 Christian Doctrine II (3)

This course examines Lutheran doctrine and applies it to the work, worship, and life of the Christian community. The topics are the Church's mission and ministry, the means of grace (Word and Sacraments), the person and work of the Holy Spirit, justification, the Church, Christian living, predestination, and eschatology. Prerequisites: upper level standing; Theo-361 or permission of chairman.

Theo-363 The Lutheran Confessions (3)

As examination of the evangelical, ecumenical, theological, and practical content of the Book of Concord through an exploration of the Three Ecumenical Creeds, the Augsburg Confession and Apology, and the Formula of Concord.

Theo-371 History of Christian Thought (3)

A study of major events and controversies in Western Christianity. The creeds, teachings which resulted, and the personalities which significantly influenced the formation of Christian thought are studied on the basis of original texts in translation.

Theo-375 Christian Denominations, Movements, and Contemporary Cults (3)

A comparative study of the major church organizations and movements which focuses on theological emphases, church policy, cultural and historical background, and contribution to the American scene.

Theo-381 Christian Teacher's Ministry (2)

The course applies Biblical and theological principles of vocation, ministry, and the two kingdoms to the teacher of the church and the priesthood of all believers. Study of Scripture, standard historical documents, and current practice in calling, placement, and congregational life focuses on the identity of the teaching minister in parochial education and the Christian teaching in public and private education.

Theo-382 Theology of Corporate Worship (3)

The shaping of a theology of corporate worship on the basis of the Scriptures and the Lutheran Confessions, with particular reference to criteria for creating and evaluating worship forms in the church today.

Theo-385 Parish Visitation and Evangelism (3)

The Theology of the Church's mission and the practice of visitation and evangelism ministries within the setting of a parish are the focus of this course. Methods of visitation and programs and techniques of personal evangelism will be explored. Skills in speaking the Gospel will be developed.

Theo-390 World Religions: The Gospel in a Pluralistic World (3)

A survey of major world religions, highlighting their origins, history and worldview, and assessing the impact of each upon world culture. Prerequisites: Rel-121 and 131.

Theo-399 Independent Study in Evangelism Visitation (1)

Designed for those who will train lay people in evangelism calling. The student will attend a parish's evangelism calls training class and participate with other members in weekly calls. P/F

Theo-418 From Exile to Christ: A Study of the Political and Theological Development in Judaism during the Intertestamental Period (3)

This course is an historical study of the Palestinian Judaism from the post-exilic period to the birth of Christ with extensive reading in intertestamental documents (Apocrypha, Dead Sea Scrolls, rabbinic sayings), noting those theological developments which prepare for the New Testament.

Theo-450 Understanding and Teaching the Bible (3)

This course gives attention to the role of the Bible in faith formation, hermeneutical principles, ways of teaching the Bible, Bible study programs, small group study, resources, and ways of promoting personal, family, and congregational involvement with the Bible.

Prerequisites: Rel-121 and 131 and one of the following: Theo-241, 242, 251, 252, and upper level standing.

Theo-460 Factors in Congregational Growth (3)

An examination of Biblical and confessional perspectives on congregational growth. Sociological factors will also be considered.

Emphasis will be placed on equipping the student to determine appropriate programs of outreach for a parish.

Theo-465 Christian Ethics (3)

A study of the relationship between Christian ethics and moral philosophy. Students explore the ethical standards involved in Christianity and apply them to contemporary personal and social problems.

Theo-470 Introduction to Christian Counseling (3)

Based on the truth and wisdom of Holy Scripture this course synthesizes the contributions from the bio-social sciences, church history, and ministry to help construct a contemporary perspective and praxis of Christian counseling. Psychology and Christian theology are balanced with an appropriate concern for the place of Christian spirituality and the presence of God in the process of counseling.

Theo-471 The Role of Scripture and Christian Spirituality in Christian Counseling (3)

This course is as much about the spiritual life of Christian counselors as it is about the spiritual life of Christian counselees. It centers on the Word of God, and it considers Christian spiritual discipline, which assists in the transformation of a Christian. It aims to help the Christian counselor toward balancing theology, psychology, and spiritual formation. It will help the Christian counselor to understand what ways to use Scripture in counseling for which clients and under which circumstances.

Theo-482 Nurturing Faith through Family, School and Congregation (3)

A study the formation of faith and virtue based on Biblical, theological and psychological perspectives serves as the foundation for investigating ways in which the family, congregation and the schools of the church can nurture the faith of children, youth and adults.

Theo-483 Sexuality and the Family (3)

This course develops a Christian approach to human sexuality, marriage, and the family through a study of the pertinent Biblical material. Special attention is given to developing skills, attitudes, and knowledge which can be incorporated in the Christian education programs of congregations, schools and social agencies.

Theo-485 Family Life Ministry (3)

A study of various models and strategies useful for initiating and sustaining a ministry to families in the context of a local parish.

Emphasis will be placed upon family life ministry programs, evaluating curricula designed to be used in family life ministry, and family enrichment experiences.

Theo-487 Planning Adult Education in the Parish (3)

In planning educational events for adults, this course gives attention to ways of teaching for faith, adults as learners, the ministry of the laity, the design of educational programs, and curricula. Prerequisite: Upper level standing.

Theo-489 Ministry in a Changing World (3)

After developing a Biblical/theological view of ministry and vocation, students will have opportunities to assimilate the knowledge and experiences of the three previous classes (GS-101, GS-201, GS-301) expanding perspectives, resources, and opportunities for ministry in church and society. Applications will be directly linked to the servant leader as a professional. Prerequisite: GS-301 or permission, senior standing. Same as GS-401.

Theo-499 Honors Course

Arranged for qualified seniors.

ADMINISTRATION AND FACULTY

University Administration

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Coryn Berkbigler, Public Relations Coordinator and Writer

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Albright, Brian

Assistant Professor of Mathematics

B.S., Emporia State University, Emporia, Kan.; B.S.E, Emporia State University, Emporia, Kan.; D.Sc., Washington University, St. Louis, Mo. At Concordia since 2004.

Ashby, Lisa A.

Professor of English

B.S. in Education, Concordia College, Seward, Neb.; M.A., University of Nebraska, Lincoln, Neb.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1994.

Beck, Tobin

Assistant Professor of Global Studies

B.A., University of Nebraska, Lincoln, Neb., At Concordia since 2008.

Blanco, Charles

Assistant Professor of Theology

B.A., Concordia University, River Forest; M.Div., S.T.M., Concordia Seminary, St. Louis. At Concordia since 2002.

Blanke, Mark S.

Professor of Education

B.S. in Education, Concordia College, Seward, Neb.; M.S., California Lutheran University, Thousand Oaks, Calif.; M.A., Concordia College, Seward, Neb.; Ed.D., Northern Illinois University, Dekalb, Ill. At Concordia since 1995.

Blersch, Jeffrey

Professor of Music

B.Mus., M.M.T, Oberlin College, Oberlin, Ohio; D.M.A, University of Michigan, Ann Arbor, Mich. At Concordia since 2002.

Bockelman, James

Associate Professor of Art

B.S. in Education, Concordia College, Seward, Neb.; M.F.A., University of Nebraska, Lincoln, Neb. At Concordia since 1993.

Boggs, Seth

Art Instructor and Art Computer Lab Manager

B.F.A. ; Concordia University, Neb. At Concordia since 2007.

Bork, Ron

Associate Professor of Education

B.S. in Education, M.Ed., Concordia College, Seward, Neb.; Ed.D., Saint Louis University, St. Louis, Mo. At Concordia since 2001.

Boye, Vicki L.

Professor of Health and Human Performance

B.S. in Education, Concordia College, Seward, Neb.; M.Ed., University of Houston, Houston, Texas; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1989.

Creed, D. Bruce

Professor of Communication

B.A., Southwestern State College, Weatherford, Okla.; M.A., Western Kentucky University, Bowling Green, Ky. Ph.D., University of Nebraska-Lincoln, Neb. At Concordia since 1989.

Einspahr, Kent

Professor of Computer Science

B.S. in Education, B.A., Concordia College, Seward, Neb.; M.S., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1979.

Einspahr, Kregg J.

Professor of Biology

B.A., Concordia College, Seward, Neb.; M.S., University of Nebraska, Lincoln, Neb.; Ph.D., University of Texas, Austin, Texas. At Concordia since 1992.

Elwell, Nancy

Assistant Professor of Psychology

B.S., Chadron State College, Chadron, Neb.; M.S., University of Nebraska, Lincoln, Neb.; Ph.D. Capella University, Minneapolis, Minn. At Concordia since 1997.

Friedrich, Brian

President

B.A., Concordia University, St. Paul, Minn.; M.Div., Concordia Seminary, St. Louis, Mo., Ph.D., Capella University, Minneapolis, Minn. At Concordia since 1991.

Geidel, Amanda

Assistant Professor of Education

B.S. in Education, Concordia College, Seward, Neb.; M.A., University of Nebraska, Lincoln, Neb., At Concordia since 2008.

Gernant, Renea B.

Professor of Communication

B.S. in Education, Concordia College, Seward, Neb.; M.A., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1991.

Goldgrabe, Eunice

Professor of Health and Human Performance

B.S. in Education, Concordia College, Seward, Neb.; M.A. in P. E., University of Northern Colorado, Greeley, Colo.; D.A., Physical Educ., Middle Tennessee State University, Murfreesboro, Tenn. At Concordia since 1967.

Grimpo, Elizabeth

Assistant Professor of Music

B.M.E., Concordia University, River Forest, Ill.; M.M., D.M.A., University of Nebraska, Lincoln, Neb. At Concordia since 2008.

Groth, Terence

Assistant Professor of Theology

A.A, Concordia Junior College, Ann Arbor, Mich.; B.A., Concordia Senior College, Fort Wayne, Ind.; M.Div., S.T.M, Concordia Seminary, St. Louis, Mo. At Concordia since 2006.

Gubanyi, Joseph

Professor of Biology

B.S. in Education, Concordia College, Seward, Neb.; M.S., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1982.

Helmer, Joel

Associate Professor of Geography

B.S in Education, Concordia College, Seward, Neb.; M.A., University of Akron, Akron, Ohio; Ph.D., Oklahoma State University, Stillwater, Okla. At Concordia since 2007.

Herl, Joseph

Associate Professor of Music

B.A., Concordia College, Bronxville, N.Y.; M.M., North Texas State University, Denton, Texas; Ph.D., University of Illinois, Urbana-Champaign, Ill. At Concordia since 2000.

Johnston Hermann, Julie

Assistant Professor of Education

B.S. in Education, Concordia College, Seward, Neb.; M.S. in Family Life, Concordia University, Seward, Neb. At Concordia since 2006.

Hermann, Robert A.

Professor of Physics

B.S. in Education, Concordia College, Seward, Neb.; Ph.D., University of Wyoming. At Concordia since 1999.

Holtorf, Paul

Associate Professor of Theology

B.A., Concordia College, Seward, Neb.; M.Div., Concordia Seminary, St. Louis, Mo.; M.Par.Ed., Concordia College, Seward, Neb.; Ph.D., University of Nebraska, Lincoln. At Concordia since 1999.

Huntington, Timothy

Assistant Professor of Biology

B.S., Concordia University, Seward, Neb; M.S., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 2008.

Janousek, Jennifer

Assistant Professor of Health and Human Performance

B.S., Nebraska Wesleyan University, Lincoln, Neb.; M.S., University of Nebraska, Omaha, Neb. At Concordia since 2005.

Juergensen, James

Associate Professor of Education

B.A., Concordia University, Mequon, Wis.; M.S., University of Mequon, Wis.; Ed.D. Cardinal Stritch University, Milwaukee, WI. At Concordia since 2003.

Jurchen, John

Assistant Professor of Chemistry

B.S. in Education, B.A., Concordia College, Seward, Neb.; Ph.D., University of California, Berkeley, Calif.; At Concordia since 2005.

Jurchen, Kristin**Assistant Professor of Chemistry**

B.A., Knox College, Galesburg, Ill.; Ph.D., University of California, Berkeley, Calif. At Concordia since 2005.

Kohnke, Kevin**Professor of Family Life**

B.A. Concordia University, Mequon, WI; M.Div. Concordia Theological Seminary, Fort Wayne, IN; M.S. University of Missouri, Columbia, MO. At Concordia since 2007.

Kromminga, Kevin**Assistant Professor of Education**

B.S. in Education, Concordia College, Seward, Neb.; M.A.(Counseling), Azusa Pacific University, Azusa, Calif; M.A.(Administration), Azusa Pacific University, Azusa, Calif; At Concordia since 2004.

Langewisch, Andrew**Professor of Business Administration**

B.A., Concordia College, Seward, Neb.; M.B.A., University of Michigan, Ann Arbor, Mich.; Ph.D., University of Nebraska-Lincoln. At Concordia since 1985.

Meehl, Mark W.**Professor of Theology**

B.A., B.S., Concordia College, Seward, Neb.; M.A.R., Concordia Seminary, St. Louis, Mo. Ph.D., Johns Hopkins University, Baltimore, Md. At Concordia since 1991.

Mickle, Janice**Assistant Professor in Residence for ELL**

B.S. Nebraska Wesleyan University, Lincoln, Neb., M.E, University of Nebraska, Lincoln, Neb. At Concordia since 2008.

Miller, Kathy**Associate Professor in Residence**

B.A., Drake University, Des Moines, Iowa; M.A., Ph.D., Purdue University, Lafayette, Ind. At Concordia since 1999.

Moore, Bryan**Assistant Professor of Communication and Theater Arts**

B.A., Cornell College, Mt. Vernon, Iowa; M.A., University of Northern Iowa, Cedar Falls, Iowa; M.F.A., University of Iowa, Iowa City, Iowa. At Concordia since 2007.

Mosemann, Russell**Professor of Computing Sciences**

B.S. in Education, B.A., Concordia College, Seward, Neb.; M.S., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia 1988-89 and since 1991.

Moulds, Russell G.**Professor of Education**

B.A., California State University, San Jose, Calif.; B.S. in Education, Concordia College, Seward, Neb.; M.S., Loyola College, Baltimore, Md.; Ph.D. University of Nebraska, Lincoln, Neb. At Concordia since 1989.

Mueller-Roebke, Jenny**Provost**

B.S. in Education, M.Ed., Concordia College, Seward, Neb; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1981.

Obermueller, Stanley**Professor of Business Administration**

B.S. in Education, Concordia College, Seward, Neb.; M.S. in Ed., Certificate in Accounting, Indiana-Purdue University, Ft. Wayne, Ind. CPA. Ph.D., Walden University, Minneapolis, Minn. At Concordia since 1982.

Ohlman, Tim**Assistant Professor of Communication**

B.A., Concordia College, Seward, Neb.; M.A., University of Nebraska, Lincoln, Neb. At Concordia since 1999.

Oliver, Annette**Assistant Professor of Education**

B.A., Social Work, Concordia College, Seward, Neb.; M.A., Family Life Ministry, Concordia University, Neb. ; M.Ed., Early Childhood, Concordia University, Neb. At Concordia since 2009

Perschbacher, Philip

Assistant Professor of Art

B.F.A., Webster University, St. Louis, Mo.; M.F.A., New York Academy of Art, Manhattan, NY. At Concordia since 2006.

Pfabe, Jerrald K.

Professor of History

B.S. in Education, Concordia University, River Forest, Ill.; A.M. (R), Ph.D., St. Louis University, St. Louis, Mo. At Concordia since 1967.

Phillips, C. Matthew

Assistant Professor of History

B.A., Mississippi College, Clinton, Miss.; M.A., Mississippi State University, Starkville, Miss.; Ph.D., St. Louis University, St. Louis Mo. At Concordia since 2004.

Plander, Kristy

Assistant Professor of Business Administration

B.A. Concordia University, Nebraska; MBA University of Nebraska-Lincoln. At Concordia since 2007.

Prochnow, Pete

Assistant Professor of Music

B.A., Concordia College, Seward, Neb., M.M.E., Florida State University.

Reek, Dirk

Assistant Professor of Theology

B.A., Purdue University, West Lafayette, Ind.; M.Div., Concordia Theological Seminary, Fort Wayne, Ind.; S.T.M, Concordia Seminary, St. Louis, Mo. At Concordia since 2004.

Reese, Rosanne

B.A., English, Purdue University, West Lafayette, Ind.; M.Ed., College of St. Scholastica, Duluth, Minn. At Concordia since 2009.

Reinke, Edward G., Jr.

Professor of Mathematics

B.S. in Education, Concordia College, Seward, Neb; MS., Ph.D., University of Florida, Gainesville, Fla. At Concordia since 1991.

Rippstein, Timothy

Assistant Professor of Education (DCE)

B.A., Concordia University, Portland, Ore.; M.A., Concordia Seminary, St. Louis, Mo. At Concordia since 2003.

Robson, Don

Professor of Art

B.A. Missouri Western State University; M.F.A., Wichita State University; M.A.T., University of Central Missouri. At Concordia since 2009.

Royuk, Brent

Professor of Physics

B.S. in Education, Concordia College, Seward, Neb.; M.S., Southern Illinois University, Edwardsville, Ill. Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1998.

Schultz, Andrew

Assistant Professor of Music

B.S. in Education, Concordia College, Seward, Neb.; M.M. University of Missouri, Kansas City, Mo. At Concordia since 2006.

Snow, John

Professor of Math

B.S., Concordia University, Seward, Neb.; M.A., Ph.D., Vanderbilt University, Nashville, Tenn. At Concordia 2000-2004 and since 2008.

Soloway, Lynn R.

Professor of Art

B.F.A., Kent State University, Kent, Ohio; M.A., M.F.A., University of Iowa, Iowa City, Iowa. At Concordia since 1990.

Sylwester, Donald

Professor of Physics

B.A., University of California, Santa Barbara, Calif.; B.S. in Education, Concordia College, Seward, Neb; M.S., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1971.

Thurber, Daniel C.

Professor of English

B.S. in Education, Concordia College, Seward, Neb; M.A. in English, University of Nebraska, Lincoln, Neb; A.D. in English Language and Literature, University of Michigan, Ann Arbor, Mich. At Concordia 1971-77 and since 1987.

Tonjes, Bernard

Assistant Professor of Education

B.S. in Education, Concordia College, Seward, Neb.; M.A., California State University, Los Angeles, Cal.; Ph.D. St. Louis University, St. Louis, Mo. At Concordia since 2006.

Uffelman, Janell

Professor of Education

B.S. in Education, M.Ed. in Reading, Concordia College, Seward, Neb. Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1997.

von Kampen, Kurt

Associate Professor of Music

B.S. in Education, Concordia College, Seward, Neb.; M.M., Oakland University, Rochester, Mich. Ed.D., University of Nebraska, Lincoln, Neb. At Concordia since 1998.

Warren, Thaddeus

Associate Professor of Education (DCE)

B.S. in Education, M.S. Family Life, Concordia College, Seward, Neb.; Ph.D., Capella University, Minneapolis, Minn. At Concordia since 2005.

Whitson, Janet

Associate Professor of Biology

B.A., Concordia University, River Forest, Ill.; Ph.D., University of California, Irvine, Calif. At Concordia since 2003.

ZumHofe, Laurie

Assistant Professor of English

B.S. in Education, Concordia College, Seward, Neb.; M.A., DePaul University, Chicago, Ill. At Concordia since 2007.

Professional Staff with Instructional Appointments

Anschutz, Mark Artist in Residence, Director of Center for Liturgical Art
Art

Baack, Randall Athletic Trainer
Health and Human Performance

Geidel, Jeremy Head Baseball Coach, Assistant Athletic Director
Health and Human Performance

Harms, Amy Director of Strength & Conditioning
Health and Human Performance

Hoffman, J. Scott Football Offensive Coordinator
Health and Human Performance

Jensen, Susan Associate Graduate Registrar and Director of Degree Completion Program
First Year Studies

Jungemann, Lon Computing Services, Data Analyst
Computer Science

Kohlwey, Martin Director of Student Life Office
First Year Studies

Luebbe, Jessica Student Financial Services, Counselor
First Year Studies

Matthias, Ryan Campus Pastor
Theology

Miller, Rachel Head Volleyball Coach
Health and Human Performance

Olson, Drew Head Women's Basketball Coach
Health and Human Performance

Potratz, Kevin Computing Services, Programmer Analyst
Mathematics

Winter, Vance Football Linebacker Coach

Health and Human Performance

Faculty Emeriti

Bassett, Leonard

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.Ed., Concordia College, Seward, Neb.; Ph.D., St. Louis University, St. Louis, Mo. At Concordia since 1998. Emeritus status granted 2002.

Bergman, Marvin

Professor of Theology

B.A., M.Div., Concordia Seminary, St. Louis, Mo.; M.Ed., Presbyterian School of Christian Education, Richmond, Va.; Ed.D., Teachers College, Columbia University and Union Seminary, New York, N.Y.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1970. Emeritus status granted 1998.

Bergman, Shirley

Professor of Aging and Family

B.S. in Education, Concordia College, Seward, Neb.; M.S., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1988. Emeritus status granted 2007.

Block, Kenneth B.

Associate Professor of Theology

B.A., Concordia Senior College, Fort Wayne, Ind.; M.S.T., Concordia Seminary, St. Louis, Mo.; M.A. Greek and Latin, University of Michigan, Ann Arbor, Mich. At Concordia since 1983. Emeritus status granted 2002.

Blomenberg, Gilbert

Associate Professor of Education

B.S. in Ed., Concordia University, River Forest, Ill.; M.S. in Ed., Indiana University, Bloomington, Ind. At Concordia since 1960.

Brott, Eugene

Professor of Physics and Chemistry

B.S. in Ed., Concordia University, River Forest, Ill.; M.A., Washington University, St. Louis, Mo.; Ed.D., Oklahoma State University, Stillwater, Okla. At Concordia since 1982. Emeritus status granted 1998.

Daenzer, Gilbert

Professor of Physics and Science Education

B.S. in Ed., Concordia University, River Forest, Ill.; M.A. Ed., Washington University, St. Louis, Mo. At Concordia since 1965. Emeritus status granted 1995.

Dolak, E. David

Professor of Psychology

B.S. in Education, Concordia College, Seward, Neb.; M.S., Long Island University, Greenvale, N.Y.; M.A., New York University, New York, N.Y.; Ed.D., University of Michigan, Ann Arbor, Mich. At Concordia since 1993. Emeritus status granted 2008.

Dolak, Grace-Ann

Professor of Education

B.A., Hunter College, City University of New York, New York, N.Y.; M.S. Ed., Hofstra University, Hempstead, N.Y.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1994. Emeritus status granted 2008.

Duensing, Elden F.

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.Ed., Rhode Island College, Providence, R.I.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1962. Emeritus status granted 1993.

Dynneson, Donald L.

Professor of Art

B.S., Dana College, Blair, Neb.; M.A., M.F.A., University of Wyoming, Laramie, Wyo. At Concordia since 1971. Emeritus status granted 2001.

Einspahr, Glenn C.

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.A., Ed.D., University of Denver, Denver, Colo. At Concordia since 1950. Emeritus status granted 1992.

Everts, Carl

Professor of Physical Education

B.S. in Ed., Concordia College, Seward, Neb.; M.A. in Ed., University of Michigan, Ann Arbor, Mich.; Ed.D., University of Texas, Austin, Texas. At Concordia since 1969. Emeritus status granted 1994.

Fiala, Robert D.

Professor of History

B.S. in Ed., Concordia College, Seward, Neb.; M.A., University of Omaha, Omaha, Neb.; Ph.D., Wayne State University, Detroit, Mich. At Concordia since 1965. Emeritus status granted 2004.

Grothaus, Larry

Professor of History

B.S. in Ed., Concordia University, River Forest, Ill.; M.A., Ph.D., University of Missouri, Columbia, Mo. At Concordia since 1968. Emeritus status granted 1998.

Held, David

Professor of Music

B.S. in Ed., Concordia College, Seward, Neb.; M.A. in Ed., University of Northern Iowa, Cedar Falls, Iowa; D.M.A., University of Southern California, Los Angeles, Calif. At Concordia since 1979. Emeritus status granted 2000.

Holtzen, Lee Roy

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.Ed., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1968. Emeritus status granted 1997.

Huebschman, Raymond R.

Associate Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.S. in Ed., University of Indiana, Bloomington, Ind.; Ed.D., Nova SE University, Fort Lauderdale, Fla. At Concordia since 1984. Emeritus status granted 2001.

Janzow, W. Theophil

President Emeritus

B.A., M.Div., Concordia Seminary, St. Louis, Mo; M.A., Southern Illinois University, Carbondale, Ill.; Ph.D., University of Nebraska, Lincoln, Neb; D.D., Concordia Theological Seminary, Springfield, Ill. At Concordia 1959-83 and since 1989. Emeritus status granted 1989.

Kinworthy, John C.

Professor of Geography

B.S. in Education, Concordia University, River Forest, Ill.; M.A., St. Louis University, St. Louis, Mo., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1969. Emeritus status granted 2007.

Klammer, Werner

Associate Professor of Education

B.S., Concordia Theological Seminary, St. Louis, Mo.; B.S. in Ed., Concordia University, River Forest, Ill.; M.N.S., South Dakota University, Vermillion, S.D. At Concordia since 1959.

Krutz, Charles P.

Associate Professor of Music

B.S. in Ed., Concordia College, Seward, Neb.; M.M., University of Nebraska, Lincoln, Neb. At Concordia since 1956. Emeritus status granted 1996.

Lawin, Priscilla

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.Ed., Kent State University, Kent, Ohio; Ed.D., University of Northern Colorado, Greeley, Colo. At Concordia since 1970. Emeritus status granted 2005.

Lemke, Mark

Professor of Health and Human Performance

B.S. in Ed., Concordia College, Seward, Neb.; M.Ed., Cleveland State University, Cleveland, Ohio; Ed.D., University of Central Florida, Orlando, FL. Emeritus status granted 2009.

Martens, Edmund

Associate Professor of Music

B.S. in Ed., Concordia College, Seward, Neb.; M.Mus., University of Southern California, Los Angeles, Calif. At Concordia since 1966. Emeritus status granted 1991.

Marxhausen, Reinhold Pieper

Professor of Art

B.A., Valparaiso University, Valparaiso, Ind.; M.F.A., Mills College, Oakland, Calif. At Concordia since 1951. Emeritus status granted 1989.

Matthews, Larry

Professor of Mathematics

B.S. in Ed., Concordia College, Seward, Neb.; M.S., University of Oklahoma, Norman, Okla.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1968. Emeritus status granted 2000.

Meyer, David P.

Professor of Theology

B.A., Concordia Senior College, Ft. Wayne, Ind.; S.T.M., Concordia Seminary, St. Louis, Mo.; Ph.D., Trinity Seminary, Evansville, Ind. At Concordia since 1966. Emeritus status granted 2003.

Nelson, Roberta

Associate Professor of Education

A.A., St. John's College, Winfield, Kan.; B.S., Concordia University, River Forest, Ill.; M.A., Michigan State University, East Lansing, Mich.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1994. Emeritus status granted 2005.

Oetting, Eugene

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.A.R., Concordia Seminary, St. Louis, Mo.; M.A., California State College, Los Angeles, Calif.; Ed.D., University of Nebraska, Lincoln, Neb. At Concordia since 1967. Emeritus status granted 1997.

Ore, Charles

Professor of Music

B.S. in Ed., Concordia College, Seward, Neb.; M.M., Northwestern University, Evanston, Ill.; D.M.A., University of Nebraska, Lincoln, Neb. At Concordia since 1966. Emeritus status granted 2001.

Pflieger, Robert W.

Associate Professor of Chemistry

B.S. in Ed., Concordia University, River Forest, Ill.; M.A., Stanford University, Palo Alto, Calif. At Concordia since 1963. Emeritus status granted 1998.

Preuss, Judy

Professor of Education

B.S. in Ed., M.Ed., Concordia College, Seward, Neb.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1978. Emeritus status granted 2002.

Preuss, William

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb.; M.Ed., University of Nebraska, Lincoln, Neb.; Ed.D., University of Nebraska, Lincoln, Neb.; At Concordia 1964-73 and since 1983. Emeritus status granted 2003.

Reinke, Ralph L.

President Emeritus

B.A., Concordia University, River Forest, Ill.; M.A., Northwestern University, Evanston, Ill.; Litt.D., Concordia Theological Seminary, Springfield, Ill. At Concordia since 1986. Emeritus status granted 1990.

Schluckebier, Lee

Professor of Education

A.A., St. Paul's College, Concordia, Mo; B.S. in Ed., Concordia College, Seward, Neb.; M.Ed., University of Missouri, St. Louis, Mo.; Ed.D., University of Missouri, Columbia, Mo. At Concordia since 1993. Emeritus status granted 2004.

SeEVERS, John J.

Professor of Physical Education

B.S. in Ed., Concordia College, Seward, Neb; M.P. E., Ed.D., University of Nebraska, Lincoln, Neb. At Concordia since 1963. Emeritus status granted 1993.

Serck, Leah M.

Professor of Education

B.S. in Ed., Concordia College, Seward, Neb; M.A., University of Northern Colorado, Greeley, Colo; Ed.D., University of North Texas, Denton, Texas. At Concordia since 1971. Emeritus status granted 2002.

StoHS, Reuben

Professor of Physical Education

B.S. in Ed., Concordia University, River Forest, Ill; M.A., University of Minnesota, Minneapolis, Minn.; Ph.D., Ohio University, Columbus, Ohio. At Concordia since 1961. Emeritus status granted 1991.

Stork, Martin L.**Professor of Education**

B.S. in Ed., Concordia College, Seward, Neb.; M.A., University of Michigan, Ann Arbor, Mich.; Ed.D., University of Nebraska, Lincoln, Neb. At Concordia since 1959.

Streufert, Victor B.**Professor of Sociology**

B.S., Concordia University, River Forest, Ill.; M.A., Washington University, St. Louis, Mo.; M.Div., Concordia Seminary, St. Louis, Mo.; Ph.D., Southern Illinois University, Carbondale, Ill. At Concordia since 1989. Emeritus status granted 1991.

Suhr, John D.**Professor of Biology**

B.S. in Ed., Concordia College, Seward, Neb; M.S., Fordham University, New York, N.Y.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia 1960-63 and since 1965. Emeritus status granted 2003.

Vasconcellos, A. Paul**Professor of Theology**

B.A., Concordia Senior College, Fort Wayne, Ind.; M.Div., Concordia Seminary, St. Louis, Mo.; M.Ed., Southwest Texas State T.C., San Marcos, Texas; M.S., University of Nebraska, Lincoln, Neb; Ph.D., Baylor University, Waco, Texas. At Concordia since 1978. Emeritus status granted 2004.

Walz, Orville C.**President Emeritus**

B.S. in Ed., Concordia College, Seward, Neb; M.S., Moorhead State University, Moorhead, Minn.; Ed.D., University of Nebraska, Lincoln, Neb. At Concordia 1969-81 and since 1990. Emeritus status granted 2004.

Weinhold, J.D.**Professor of Chemistry and Education**

B.S. in Ed., Concordia College, Seward, Neb.; M.A., Ed.D., Ball State University, Muncie, Ind. At Concordia since 1968. Emeritus status granted 2005.

Wiegmann, Mira**Professor of Theatre Arts**

B.S. in Ed., Concordia College, Seward, Neb.; M.A., University of Nebraska, Lincoln, Neb.; Ph.D., University of Nebraska, Lincoln. Emeritus status granted 2009.

Wiegmann, Richard**Professor of Art**

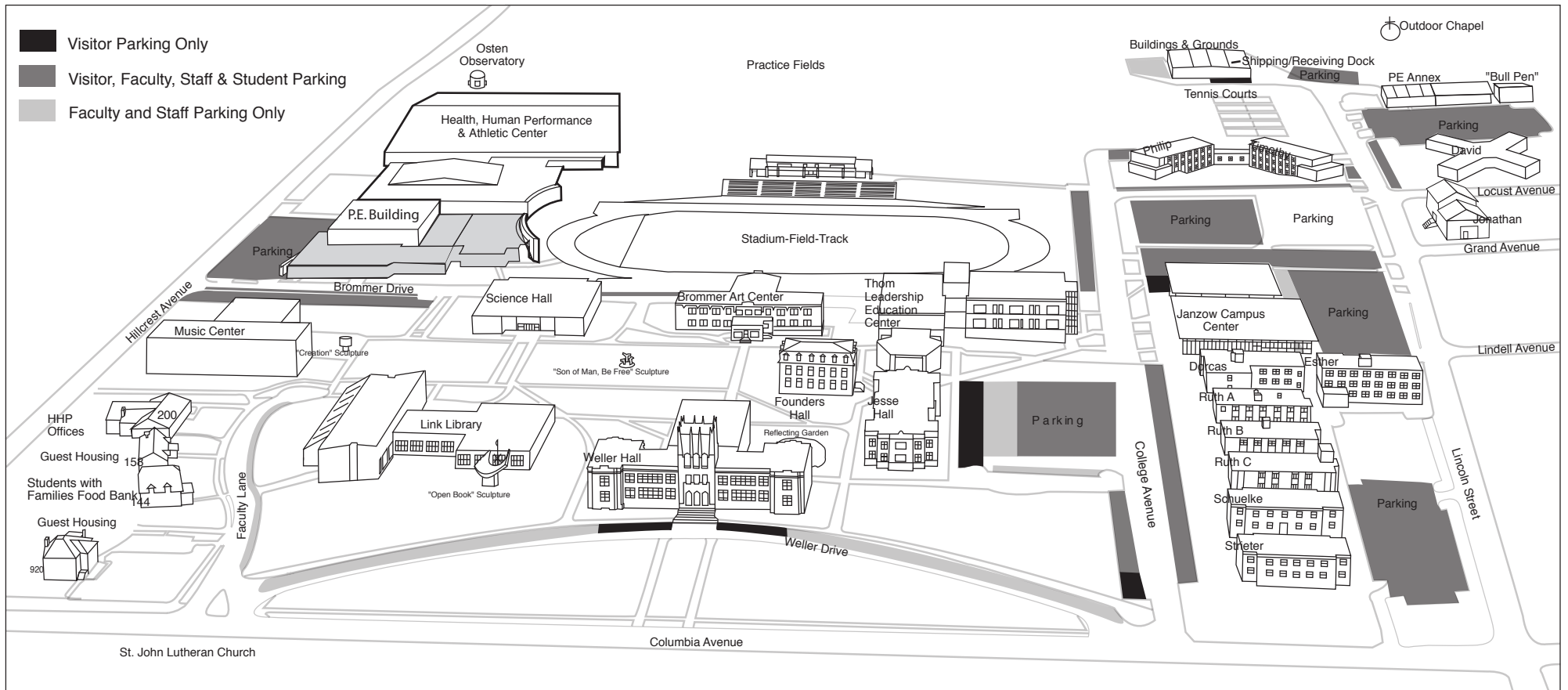
B.S. in Ed., Concordia College, Seward, Neb.; M.F.A., Claremont Graduate School, Claremont, Calif.. At Concordia since 1964. Emeritus status granted 2005.

Wolfram, William R.**Professor of Art**

B.A., Concordia College, Moorhead, Minn.; M.A., M.F.A., University of Arizona, Tucson, Ariz. At Concordia since 1960. Emeritus status granted 2006.

Zwick, Richard**Professor of English**

B.S. in Ed., Concordia College, Seward, Neb.; M.A., University of Michigan, Ann Arbor, Mich.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 1968. Emeritus status granted 1997.



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Driving Directions:

- From I-80:** Take the Seward exit. Go north on Hwy. 15, 6 miles to the first stop light and turn right. Turn left at Columbia Avenue.
- From U.S. 34:** Turn north on Columbia Avenue.
- From Hwy. 15 North:** Proceed south on Hwy. 15 to Hillcrest Avenue and turn left at the Concordia sign. Turn right at Columbia Avenue.

