

# Concordia University Nebraska

## 2014-2015 Undergraduate Catalog



*Effective August 25, 2014-August 22, 2015*





CONCORDIA UNIVERSITY  
N E B R A S K A

Concordia University  
800 N. Columbia Ave.  
Seward, NE 68434

(402) 643-3651  
(800) 535-5494

[admiss@cune.edu](mailto:admiss@cune.edu)

[www.cune.edu](http://www.cune.edu)

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The provisions of this catalog are to be considered directive in character and not as an irrevocable contract between the student and the university. The university reserves the right, without prior notice, to make changes in its operations, regulations, curriculum, courses, academic policies, tuition and fees, and activities as the Board of Regents, University President, administration, and faculty consider appropriate and in the best interest of Concordia University, Nebraska.

# TABLE OF CONTENTS

<b>The University</b> .....	<b>3</b>	Business Communication .....	68
Accreditation .....	3	Marketing .....	68
Academic Calendar .....	4	Management Information Systems.....	68
<b>Admission</b> .....	<b>6</b>	<b>Department of English, Communication</b>	
Statement of Non-Discrimination .....	6	<b>and Theatre Arts</b> .....	<b>70</b>
Freshman Applicants .....	6	Arts Administration .....	70
Transfer Applicants .....	6	Communication Studies.....	71
International Students .....	7	English .....	71
<b>Student Life</b> .....	<b>9</b>	Journalism and Public Relations .....	71
Student Services.....	9	Theatre .....	72
Academic Advising .....	10	<b>Department of Health and Human</b>	
Academic Resource Center .....	10	<b>Performance</b> .....	<b>75</b>
ADA Resources .....	10	Community Health .....	75
<b>Financial Information</b> .....	<b>12</b>	Fitness Studies .....	76
Undergraduate Tuition and Fees.....	12	Recreation and Sport Studies.....	76
Return/Refund Policy.....	13	Exercise Science .....	78
Financial Aid .....	13	<b>Department of Mathematics and Computer</b>	
<b>Academic Information</b> .....	<b>15</b>	<b>Science</b> .....	<b>80</b>
Grading System .....	16	Computer Science (B.A.).....	80
Record Policies .....	17	Mathematics (B.A.) .....	80
Degrees, Diplomas and Certificates .....	19	Computer Science (B.S.).....	81
Special Course Options .....	20	Mathematics (B.S.) .....	81
<b>General Education</b> .....	<b>23</b>	<b>Department of Music</b> .....	<b>82</b>
<b>College of Education</b> .....	<b>25</b>	Music .....	82
<b>Bachelor of Science in Education</b>		Church Music .....	83
<b>Programs</b> .....	<b>25</b>	Music Education .....	83
Elementary Education Program.....	28	<b>Department of Science</b> .....	<b>85</b>
Early Childhood Education Program.....	34	Biology .....	85
Special Education Program .....	37	Chemistry.....	86
Middle Level Education Program.....	39	Environmental Science/Studies.....	87
Secondary Education Program.....	42	Physical/Natural Sciences .....	88
<b>Department of Intercultural Studies and</b>		Physics .....	89
<b>Modern Foreign Languages</b> .....	<b>54</b>	<b>Department of Social Science</b> .....	<b>91</b>
Spanish .....	55	Behavioral Science.....	91
TESOL .....	55	Criminal Justice .....	91
World and Intercultural Studies.....	55	Geography.....	92
<b>Director of Christian Education Program/ Christian Educational Leadership</b> .....	<b>57</b>	History .....	92
<b>College of Arts and Sciences</b> .....	<b>60</b>	Psychology .....	92
<b>Department of Art</b> .....	<b>62</b>	<b>Department of Theology</b> .....	<b>94</b>
Art (Studio).....	62	Theology.....	94
Art Therapy .....	62	<b>Pre-Seminary Program</b> .....	<b>96</b>
Graphic Design .....	63	<b>Pre-Deaconess Program</b> .....	<b>98</b>
Bachelor of Fine Arts .....	63	<b>Pre-Professional Study</b> .....	<b>99</b>
<b>Department of Business Administration</b> .....	<b>66</b>	<b>Reserve Officers Training Program</b> .....	<b>105</b>
Business Administration (B.A.) .....	66	<b>Degree Completion Program</b> .....	<b>106</b>
Accountancy .....	67	<b>Course Descriptions</b> .....	<b>108</b>
Business Administration (B.S.) .....	67	<b>Administration and Faculty</b> .....	<b>177</b>

## THE UNIVERSITY

### HISTORY

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 more than 22,000 degrees and certificates. Concordia, Nebraska is one of 10 institutions belonging to The Lutheran Church–Missouri Synod’s Concordia University System.

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.

### 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.

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. (The agency may be contacted at 1-800-621-7440 or [www.ncahigherlearningcommission.org](http://www.ncahigherlearningcommission.org)). 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 Bachelor of Science degrees in business administration, accountancy, business communication, marketing, and management information systems and the Bachelor of Arts degree in business administration and their minors and concentrations are accredited by the International Assembly for Collegiate Business Education (IACBE). The majority of Concordia's programs are approved by the Nebraska State Department of Education for veterans and other persons eligible for VA benefits.

## 2014-15 ACADEMIC CALENDAR

### Seward Campus

#### Fall Semester 2014

August 25, Monday  
Fall semester begins

September 1, Monday  
End of free drop/add; Tuition and fee payment deadline

September 19, Friday  
Deadline for December graduation applications

September 25, Thursday  
Deadline for removal of incomplete grades for spring and summer courses

September 30, Tuesday  
Deadline for withdrawal, P/NR for first quarter courses

October 14, Tuesday  
First quarter ends

October 15, Wednesday  
Second quarter begins

October 17-19, Friday-Sunday  
Fall break

November 4, Tuesday  
Senior registration for spring semester begins

November 6, Thursday  
Junior registration for spring semester begins

November 11, Tuesday  
Sophomore registration for spring semester begins

November 18, Tuesday  
Freshmen registration for spring semester begins

November 20, Thursday  
New student registration for spring semester begins

November 21, Friday  
Deadline for withdrawal & P/NR for full-semester & second quarter courses

November 22-November 30, Saturday-Sunday  
Thanksgiving recess

December 5, Friday  
Independent Study applications for spring semester due

December 12, Friday  
Fall courses end

December 15-18, Monday-Thursday  
Final exams

December 18, Thursday  
Fall semester ends

December 20, Saturday  
Fall graduation (no commencement)

#### Spring Semester 2015

January 12, Monday  
Spring semester begins

January 19, Monday  
End of free drop/add; Tuition and fee payment deadline

January 23, Friday  
Deadline for May and August graduation applications

February 12, Thursday  
Deadline for removal of incomplete grades for fall courses

February 17, Tuesday  
Deadline for withdrawal, P/NR for third quarter courses

March 3, Tuesday  
Third quarter ends

March 4, Wednesday  
Fourth quarter begins

March 7-15, Saturday-Sunday  
Spring recess

April 1, Wednesday  
Registration for summer semester begins (all students)

April 1, Wednesday  
Senior registration for fall semester begins

April 3-6, Friday-Monday  
Easter break

April 8, Wednesday  
Junior registration for fall semester begins

April 15, Wednesday  
Sophomore registration for fall semester begins

April 17, Friday  
Deadline for withdrawal & P/NR for full-semester & fourth quarter courses

April 22, Wednesday  
Freshmen registration for fall semester begins

April 23, Thursday  
New student registration for fall semester begins

April 24, Friday  
Independent Study applications for fall semester due

May 1, Friday  
Spring courses end

May 4-7, Monday-Thursday  
Final exams

May 7, Thursday  
Spring semester ends

May 9, Saturday  
Spring graduation & commencement

### **Summer Semester 2015**

May 11, Monday  
Summer semester begins

May 25, Monday  
Memorial Day holiday (no class)

July 3, Friday  
Independence Day holiday (no class)

August 21, Friday  
Summer semester ends

August 22, Saturday  
Summer graduation (no commencement)

## ADMISSION

### 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, a General Education Diploma (GED), or a state's equivalent of a GED, 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 a transcript and ACT or SAT scores.

Applicants admitted for each term are required to submit a confirmation deposit of \$300 in order to continue the admission process. The confirmation deposit will hold space in a residence hall, and will entitle the student to preferential registration for courses by a freshman advisor. Students must also submit a health form.

To be admitted as a freshman student, the applicants should be graduates of accredited high schools. 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

If the student is in his or her first semester of college and is applying for the upcoming term, a student's application may be reviewed after the student submits final high school transcripts and ACT or SAT scores. In all other cases, applicants transferring from another college or university should request a transcript from all colleges or universities previously attended. These transcripts will need to be received before an admission decision will be made. If a student has fewer than 24 transferable credits, a high school transcript, General Education Diploma (GED), or a state's equivalent of a GED, is also required for admission review. Applicants normally must have a cumulative college grade point average of 2.00. 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 will have a free transcript evaluation done of courses taken at another institution to determine the transferability of credit. This evaluation will be done by the Office of the Registrar.

Applicants admitted for each term are required to submit a confirmation deposit of \$300 in order to continue the admission process. Final high school transcripts, a GED, or a state's equivalent of a GED must be submitted in order for the student to receive federal aid. A health form is also required.

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. Only courses with a grade of C- or above will be accepted for transfer credit.

Educational experience gained by a student while in the military service is evaluated according to the recommendation of the American Council on Education. Army, Navy, Marine Corps and Coast Guard service members may request an official military transcript from the Joint Services Transcript website at <https://jst.doded.mil>. Air Force personnel may request an official transcript through the Community College of the Air Force at <http://www.au.af.mil/au/ccaf/transcripts.asp>.

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 complete a minimum of 30 semester hours in residence. 12 hours must be at the 300 & 400 level and 15 hours must be in the student's 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 nontraditional students. Applicants to the program need to have completed 12 semester hours with a grade point average of 2.00 or better. 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 graduate and 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 402-327-6520 or 888-505-2863. Additional information about programs is available in the online graduate catalog.

## RE-ENROLLMENT

Former students of Concordia who wish to re-enroll should contact the Admission Office.

## INTERNATIONAL STUDENTS

Concordia realizes the importance of intercultural understanding in educating students for their place in the world and future. International students from a number of different countries bring a global perspective - contributing valuable insights and experiences in the classrooms, on campus, and within the Concordia and Seward community.

### International Student Applicants

An international student is someone 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 online application.
- Be proficient in the English language as measured by TOEFL (Test of English as a

Foreign Language) or IELTS (International English Language Testing System). A score of 78 or above (TOEFL IBT test) or 6.0 or above (IELTS) is required for admission. Information on these tests is available at [ets.org/toefl](http://ets.org/toefl) for TOEFL and [ielts.org](http://ielts.org) for IELTS.

- Provide high school transcripts (school's academic record of student) with a grade point average indicating the student performed academically above average. If transcript is not in English, an additional transcript in English must be provided through one of the following transcript evaluation partners: World Education Services (WES), Foundation for International Services, Inc. (FIS), Educational Credential Evaluators, Inc. (ECE), AACRAO: Office of International Education Services (OIES), or Academic Credentials Evaluation Institute, Inc. (ACEI). A comprehensive or course by course report is required.
- Take the ACT or SAT College Entrance Exam and have scores sent to Concordia University, Nebraska. Visit [ACT.org](http://ACT.org) or [collegeboard.com](http://collegeboard.com) to find testing sites.
- Submit proof of financial support that will meet the total educational and living expenses for the first year of study at Concordia.

Additional admission information is at <http://www.cune.edu/admission/international/undergraduate-international-student/>.

### **Being an International Student at Concordia**

Opportunities abound for international 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 work with the Director of Global Opportunities if they have questions on travel, working, or issues related to maintaining their international student status to stay in the US to study.

## STUDENT LIFE

### 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.

### 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 is 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. Online tutoring is also available. 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. The Writing Center offers support in the writing process through face-to-face and online sessions. 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.

## ADA Resources at Concordia

Concordia University, in accordance with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973, does not discriminate in the recruitment, admission, or treatment of students. Students with documented disabilities are legally entitled to request modifications, accommodations, or auxiliary aids that will enable them to participate in and benefit from all postsecondary programs and activities.

The ADA and the Rehabilitation Act define an individual with a disability as a person who:

1. has a physical or mental impairment that substantially limits one or more of the major life activities of that person;
2. has a record of such impairment, or
3. is regarded as having such as impairment.

A student with a disability who wants to receive accommodations should, as a first step, contact the Academic Resource and Disability Support Services Coordinator at Concordia University and identify him/herself as disabled, indicating what accommodations he/she is seeking. The student will then be asked to provide *proper and sufficient documentation of the disability* so that a reasonable accommodation plan may be devised and implemented. The coordinator will provide individual consultations and discuss reasonable accommodations. You may contact the ADA director, Bethany Landrey, at 402-643-7187 or 800-535-5494 ext. 7187 or email [bethany.landrey@cune.edu](mailto:bethany.landrey@cune.edu).

Concordia University's ADA/504 Compliance Officer, Theresa Webster, may be reached at [theresa.webster@cune.edu](mailto:theresa.webster@cune.edu) or 402-643-7374.

## International Students

The Director of Global Opportunities 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/admission/international/>. Students are also encouraged to see the Director of Global Opportunities for more information.

## Synodical 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.

### UNDERGRADUATE TUITION AND FEES

#### Full-time Students (12-18 semester hours)

Tuition per semester .....	\$12,850
Overload fee (over 18 semester hours) per credit hour .....	\$800
DCE Internship Comprehensive Fee per academic year .....	\$5,000

#### Part-time Students (less than 12 credit hours)

Per credit hour .....	\$800
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#### Technology Fee

Full-time undergraduate students per semester .....	\$125
Part-time undergraduate students per semester .....	\$85

#### Room and Board Plan

Full plan: 21 Weekly Meals Plan, Dorm residence (shared) – per semester .....	\$3,540
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

##### FEES

Audit Fee – per credit hour (see section on Audit of Courses for exceptions) .....	\$200
Consortium Fee – UNL (per semester) .....	\$200
Credit by Exam – per credit hour, see below. ....	\$50
-Test .....	\$25
Graduation Ceremony Fee (cap and gown) .....	\$65
Housing Contract Modification .....	\$100
Independent study fee – above tuition per credit hour .....	\$140

Late Payment of Fees .....	\$300
Late Payment Fee (Summer Term) .....	\$100
Parking sticker (replacement or more than one) .....	\$10
Study Abroad Fee (per semester) .....	\$150
Transcripts	
Electronic Copy .....	\$5
Paper Copy .....	\$7
Tuition for Travel Courses (stand alone-not included in tuition) per credit hour .....	\$150
Tuition for Summer Internship/Practicum per credit hour .....	\$125

#### Required Course Fees

Art 101 .....	\$65
Art 145 .....	\$170
Art 190 .....	\$80
Art 205 .....	\$75
Art 214 .....	\$70
Art 215 .....	\$70
Art 235 .....	\$140
Art 243 .....	\$115
Art 244 .....	\$115
Art 280 .....	\$90
Art 303 .....	\$90
Art 315 .....	\$70
Art 316 .....	\$70
Art 320 .....	\$90
Art 330 .....	\$90
Art 335 .....	\$140
Art 345, 346 .....	\$125
Art 351, 352 .....	\$110
Art 365 .....	\$65
Art 403 .....	\$80
Art 407 .....	\$100
Art 451, 452 .....	\$110
Art 489 .....	\$120
Applied Music (per credit hour) .....	\$165
Bio 208 .....	\$50
Bio 351 .....	\$50
Bio 450 .....	\$100
Chem 109 .....	\$10
Chem 115 .....	\$10
Chem 116 .....	\$10
Chem 231 .....	\$10
Chem 325 .....	\$10
Chem 331 .....	\$10
Chem 345 .....	\$40
CEL 329 .....	\$130
Educ 300 .....	\$150
Geog/Sci 281 .....	\$115
Geog/Sci/ESci 385 .....	\$90
HHP 100 .....	\$15

HHP 147.....	\$90
HHP 154.....	\$30
HHP 157.....	\$30
HHP 158.....	\$40
HHP 182.....	\$40
HHP 261.....	\$50

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

Additional fees are required for students in teacher education. These include fees for background checks, testing requirements, student teaching, and certification requirements. Contact the Head of Teacher Education for specifics and additional information.

### 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 Concordia University fee for AP or CLEP.

### FEE PAYMENT POLICY

All students are to pay their balance due by the drop/add deadline (Monday of the second week of each semester). Refer to the [Student Financial Services](#) webpage for more information: 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 [Tuitionpay.SallieMae.com/CUNE](http://Tuitionpay.SallieMae.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 \$25 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, Federal Supplemental Educational Opportunity Grants (FSEOG), and TEACH grants. 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 William D. Ford Federal Direct Loan Program 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. Circumstances may occur that make attendance impossible or inadvisable. In those cases, ruling on the validity of excuses is the responsibility of the individual instructor.

### Student Classification

A regular full-time undergraduate 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. 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

Senior: 90 or more semester hours

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.

### 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.

### Participating in Commencement Exercises

Concordia University holds commencement exercises each May on the Saturday of 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 Student Financial Services 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. Graduate courses are numbered 500 and above.

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 the end of Drop/Add date.

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

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.

### 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 30 days after the start 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 the last day to add or drop for each term. A student who wishes to withdraw from a course after the last day to add or drop 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. (Some courses are only offered P/NR and are not subject to this rule). Courses ordinarily offered for a letter grade but elected P/NR count toward the 120 hour graduation requirement as free electives. The student's GPA will not be affected by a course taken as P/NR. A passing grade will result in successful hours of credit.

Some courses are only offered Pass/Fail. This is not an elected option. A failing grade will adversely affect the student's GPA. A passing grade will result in successful hours of credit.

**Student Classification and Status**

A student must ordinarily maintain a cumulative grade point average of 2.00 (C) for continued enrollment leading to the receipt of a degree. (Requirements for specific programs may be higher and set by the colleges and/or programs.)

Academic standing is determined by the Office of the Registrar, normally within the first week after the end of each fall and spring semester. The student's academic standing will continue unchanged through the next fall/spring semester in which a student is enrolled. Summer, transfer, or other coursework completed during that time does not change a student's current academic standing. Courses graded as "Incomplete" at the time academic standing is determined are not considered as credit earned.

A student receives a scholastic warning if his/her grade point average is below 2.00 (C) for a given semester or if the student earns less than 12.00 but a minimum of 9.00 credit hours in a given semester.

A student is placed on academic probation when his/her cumulative grade point average is below 2.00 (C) or if he or she has completed less than 9.00 hours in a given term. A student on academic probation:

- A. is not considered to be in "good standing" for the purposes of external reporting.
- B. is eligible for athletic teams and campus activities subject to conference rules and policies. Concordia University officials may place restrictions on individual students as part of that student's academic support plan.
- C. may be released from academic probation by completing 12.00 or more semester hours in a given semester and achieving 2.00 (C) cumulative GPA. If the student is placed on academic probation in a subsequent semester, s/he is subject to dismissal.

D. is required to schedule meetings with the Coordinator of the Academic Resource Center and with his/her advisor.

E. may not be eligible for financial aid as determined by external financial aid regulations.

A student must have a semester grade point average of 2.00 (C) each semester after he or she has been placed on academic probation to be eligible for registration. If the student fails to achieve a 2.00 (C) cumulative GPA after one semester of probation, he or she may be subject to academic dismissal by the Provost.

Conditionally admitted students are considered to be on academic probation during their first semester of attendance. If they meet the conditions of their admission, they are fully admitted and are not considered to have been on academic probation in any subsequent determinations of academic standing.

For cases in which a student earns less than 12.0 GPA points in a semester, the student may be subject to immediate dismissal by the Provost in consultation with academic advising and other appropriate parties. The decision to immediately dismiss a student will not be taken lightly, but will be made in the best interests of the student and the University.

**Record Policies****PRIVACY OF EDUCATIONAL 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.

The Family Educational Rights and Privacy Act (FERPA) afford students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

A student should submit to the registrar, dean, chair of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes

is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the University discloses personally identifiable information from the student's education records, except for where FERPA authorizes disclosure without consent. These exceptions may include:

- a. School Officials who have a "legitimate educational interest."
- b. Other Institutions
- c. Audit or Evaluation of Federal or State education programs
- d. Financial Aid
- e. State and local officials pursuant to statute concerning juvenile justice
- f. Organizations conducting studies
- g. Accrediting Organizations
- h. Judicial order or subpoena
- i. Health and Safety
- j. Disciplinary Hearing Results

4. The right to notify the University in writing if the student does not want any of all of the information designated as directory information.

The University has designated the following as directory information:

Student's name  
 Participation in officially recognized activities and sports  
 Address  
 Telephone listing  
 Weight and height of members of athletic teams  
 Electronic mail address  
 Photograph  
 Degrees, honors, and awards received  
 Date and place of birth  
 Major field of study  
 Dates of attendance  
 Grade level

#### Enrollment Status

The most recent educational agency or institution attended

5. The student has the right, on request to the appropriate University official, to review all materials that are in the student's education records, except:

- a. Financial information submitted by the student's parents.
- b. Confidential letters and recommendations associated with admissions, employment or job placement, or honors, to which the student has waived rights of inspection and review.
- c. Education records containing information about more than one student, in which case the University will permit access only to that part of the record that pertains to the inquiring student.

6. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
 U.S. Department of Education  
 400 Maryland Avenue, SW  
 Washington, DC 20202-5901

#### TRANSCRIPTS

Academic transcripts are issued by the Registrar's Office and may be requested through the Concordia University Transcript Ordering Portal at <http://transcripts.cune.edu>, provided all financial obligations have been met. Transcripts will be withheld until the student's account is cleared.

Students requesting transfer credit from another institution should send an official transcript directly to the Office of the Registrar at Concordia.

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.

#### 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's Degrees

Concordia University offers the following undergraduate degrees: Bachelor of Science in Education, Bachelor of Science, Bachelor of Arts, Bachelor of Music, Bachelor of Fine Arts, and Bachelor of Science in Nursing. The conferral of a degree is dependent upon the completion of the specific degree requirements and a minimum of 120 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 at 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 the completion of an additional 30 semester hours (a minimum of 150 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 teacher education program, have completed the Lutheran Teacher Diploma coursework, 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.)

#### The Christian Teacher Diploma

The Christian Teacher Diploma is granted to students who have met all requirements for the teacher education program, have a teaching degree, and are eligible for a teaching license in the State of Nebraska. Students seeking this diploma have indicated an interest in serving as teachers in Christian schools that are not associated with the Lutheran Church-Missouri Synod. Students wishing to receive the CTD must apply to the program and complete its requirements as a part of the baccalaureate degree. All students receiving the Christian Teachers Diploma are required to take a minimum of six hours of upper-level (300 or 400 level) theology or philosophy courses on campus. (See specific course requirements in the Christian Teacher Diploma section of each program.)

#### 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 may transfer up to three courses from any other Concordia University or the CUNEnet 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 Old Testament
- Rel 131 History and Literature of 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 Christian Teacher's Ministry

### Teacher Certification

Concordia maintains an office to assist graduates in securing a teaching certificate. The Head 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 Head of Education.

A bachelor of science in education degree must be completed with at least 30 semester hours in residence in order 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.

### DIRECTOR OF CHRISTIAN EDUCATION PROGRAM

#### The DCE Certificate

Concordia awards a DCE certificate to all LCMS graduates who have completed the DCE admission process, CEL major, foundational major, DCE certification requirements 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 Church 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.

## 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).

### Advanced Placement

Concordia will award college credit to students receiving certain scores on Advanced Placement exams. Current [AP accepted scores](#) are posted online. Contact the registrar for further details.

### 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](http://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. The Writing Center offers support in the writing process through face-to-face and online sessions.

### Concordia University System Exchange

Students may study for a semester at any one of Concordia Seward's sister institutions: Ann Arbor, Chicago, Mequon, Portland, Selma, Austin, Irvine, New York, and St. Paul. Acceptance is determined by the host institution and not guaranteed. Contact the Registrar's Office for application and eligibility information.

### International Study, Service and Mission Opportunities

#### GLOBAL OPPORTUNITIES

Concordia University is committed to equipping its students for leadership, 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 worldview beyond their home town.

The *Global Opportunities Center* is a one-stop location (200 Faculty Lane) for information on international study, service, and mission opportunities! Concordia students should contact the *Director of Global Opportunities* for more information on any of the international experiences listed below.

#### INTERNATIONAL TRAVEL AND STUDY TOURS

Students are able to experience another country through short-term 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 the travel and cultural experience (independent study credit optional).
- These experiences typically are led by Concordia faculty for one to two weeks during winter, spring or summer breaks.

#### STUDY ABROAD

A student spends a semester in another country, taking a full course of study and immersing themselves in the culture. The student remains enrolled at Concordia to participate in an approved off-campus program. Summer programs provide shorter opportunities for students to study abroad and gain credit for one or more classes.

- A student meets with the Director of Global Opportunities to determine study abroad programs that fit their program of study, to pick up application materials, and for guidance through the process.
- The student also visits with their advisor to determine how the study abroad courses will be credited to their program.
- A student applying to study abroad must be a student in good standing at Concordia.

#### INTERNATIONAL MISSION OR SERVICE-LEARNING EXPERIENCES

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

- Opportunities are sponsored by Concordia, mission organizations, or initiated by student groups.
- Past projects have included working with children, youth and adults in Bible school activities, English as a second language instruction, medical mission outreach activities, and disaster related rebuilding efforts.

#### EXCHANGE PROGRAMS

Established partnerships with universities in other countries provide the chance for students here and there to learn from each other. Visiting students from international universities provide a global influence right here at Concordia.

#### INTERNATIONAL STUDENT TEACHING OR INTERNSHIPS

Opportunities are available for student teaching at

Lutheran international or Christian schools in places like Hong Kong, Shanghai, Hanoi, Panama or Australia. DCE students interested in world mission outreach have served internships recently with partner churches in eastern Europe and Latin America.

#### INTERNATIONAL VOCATIONAL OPTIONS AFTER GRADUATION

A number of Concordia students apply for and have taken positions in global settings after graduation. These options include the Fulbright US Student Program, serving as a LCMS World Mission GEO, serving with the Peace Corps, or teaching ESL abroad.



## GENERAL EDUCATION REQUIREMENTS

This component of Concordia's curricula is a basic liberal arts 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. Students in all programs must complete the general education and supplemental requirements.

### FIRST-YEAR EXPERIENCE

- FYE 101 First-Year Experience

### HUMANITIES

- History: Hist 115, 131 or 132
- Oral Communication: CTA 103, 203, 211, 281, 306 or 309 (Teacher Education majors are exempted by major)
- Composition: Eng 102
- Literature: Eng 201 or higher level course with permission
- Fine Arts: 6.0 credits total from among Art 101, 161, 203, 260; CTA 151, 152, 153, 154, 299; ECTA 150 (Film Criticism), ECTA 250 (Theatre as Outreach); any Music course. Must include two areas from art, drama, and music.
- Biblical Literacy: 6.0 credits from Rel 101, Rel 121, Rel 131 (Academic advisors will recommend appropriate choices; For Degree Completion Program students, Rel 120 and Rel 130 will be taken to satisfy the Biblical Literacy component.)
- Theology: Theo 210 (For Degree Completion Program students, Theo 209 will be taken to satisfy the Theology component.)

### SOCIAL SCIENCES

- 6.0 credits total from Econ 101, 102; Geog 101, 202; Psy 101, 221; PS 111; Soc 101 (Must include two areas)

### HEALTH AND HUMAN PERFORMANCE

- Must complete 2.0 hours. At least one hour from the following: HHP 100 (recommended), 161, 162, 164, 166, 168. One additional course from the following: any Activity course (Swimming can be used only once), any Health Topics course, HHP 182.

### MATHEMATICS

- Must complete one course. Unless a different mathematics course is needed to fulfill program requirements, Math 122 should be taken. Other courses which typically satisfy this requirement are Math 182, 184 or 201. Math 201 can only be taken by students in the Elementary Education Program. Math 301 cannot be used to satisfy this requirement.

### NATURAL SCIENCES

Students must complete 6.0 total credits and 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, 207, 244, Bio/Sci 230, Bio/Sci 231 (taken with Bio/Sci 230), 243, 288, 345, 362, 363, 385
- Chem 109
- Phys 109, 110
- Sci 202, 281, 315, Sci/Phys 331, 365, 381

Students in science programs or other students with strong interest may use the following courses to fulfill general education science requirements:

- Bio 111, 112, 141, 208, 224, 225, 317, 343, 344, 345, 371
- Chem 115, 116, 231
- Phys 111, 112, 211, 212

### SUPPLEMENTAL REQUIREMENTS

In addition to completing the appropriate number of courses from each of the areas listed above, students must complete the following in order to receive a baccalaureate degree:

- Two Global/Multicultural Studies (GMC) courses
- At least one Service-Learning (SL) course
- At least one Writing-Intensive (WI) course
- FinL 100 and FinL 400. These are online and face-to-face courses in Financial Literacy and may be taken for 0 or 0.5 credits. FinL 100 must be completed prior to registration for spring semester of the sophomore year.

Courses that meet the Writing-Intensive, Service-Learning and Global/Multicultural Studies requirements will be identified in the schedule of courses published prior to registration each semester. Courses in a student's major or minor may be counted toward these requirements. A single course

may satisfy more than one requirement. Each major offered at Concordia will provide the following learning experiences in ways that are appropriate to the program:

- Information Literacy
- Capstone Experience

### **WAIVERS AND DEFICIENCIES**

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.

Students who score below 18 on the English portion of the ACT must take Eng 101 as a prerequisite for Eng 102.

Students who have not completed two full years of the same foreign language study in high school are required to take Spanish 101, 102, ECTA 170 American Sign Language or equivalents. One course is waived for each full year of study completed.

# COLLEGE OF EDUCATION

## 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, and Special Education.

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

## BACHELOR OF SCIENCE IN EDUCATION

*See Bachelor of Fine Arts and Bachelor of Music for additional education opportunities.*

## GENERAL POLICIES

Teacher Education Candidates must choose one of the three following options for their program:

### The Lutheran Teacher Diploma (LTD)

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 Lutheran Teacher Diploma requirements.

### The Christian Teacher Diploma (CTD)

Students desiring the Christian Teacher Diploma

must complete 9 hours of coursework chosen from the following courses: Theo 241 or 242 or 251 or 252, Phil 301, Theo 375, 390, 450, 465, 482, or 489.

## The Public Teacher Emphasis

Students seeking positions in public schools must include the following in their coursework – Educ 295 – History of Public Education, Educ 296 – Topics in Public Education, and Theo 465 – Christian Ethics.

## TEACHER EDUCATION ADMISSION AND RETENTION PROCEDURES

The Head of Teacher 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 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 Core Skills Test at the minimum levels required by the Nebraska Department of Education. 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 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. Teacher education candidates in middle level and secondary education are required to take the appropriate Praxis II content exam for each of their endorsements. More information on this test can be obtained from the Head of Teacher Education.

### Criteria for Admission

1. Completion of application for admission form.
2. Successful completion of the Core Skills Test, with passing scores. There is a fee for taking Core Skills.
3. Completion of Educ 101, Educ 201, and EDPS 210.
4. Professional grade point average of 2.75.
5. Verification that the student is in good standing by the student life office, completion of a background check, and verification that the student 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 2.75 in all courses to be counted toward the baccalaureate degree. No grade below a C will be accepted to meet these requirements.
7. Secondary education students must achieve a grade point average of 2.75 in their field, comprehensive subject major, or field endorsements.
8. An interview with the appropriate education program chair.
9. An interview with the Head of Education is required.

### Notification of Admission

The Head of Teacher 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 2.75 is maintained for all courses to be counted toward graduation, for permission to student teach and for recommendation for certification and placement. No grade below a C will be accepted in required professional education courses.
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 Head of Teacher 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. Permit to Student Teach (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 semester prior to the semester in which the candidate will student teach—February 1 for fall student teaching and October 1 for spring student teaching.

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 for LTD Candidates—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 for LTD Candidates—Receiving faculty approval requires completing all program requirements successfully.

7. Candidates in the Early Childhood, Elementary, or Elementary/Special Education program are required to take the PRAXIS II – EECIA test. This is a test of Elementary Education Curriculum, Instruction, and Assessment. Passing the test will result in the designation of “Highly Qualified” being included on your Nebraska Teaching Certificate. The highly qualified designation is necessary to be hired in many public and non-public school districts in the state. Candidates are required to pass the test for completion of the teacher education program at Concordia and for recommendation for certification in Nebraska. Candidates in middle level and secondary education are required to take and pass the appropriate content exams for each of their endorsement areas.

8. Approval for Certification—At graduation, the student must apply for certification in Nebraska and other appropriate states with the assistance of the Head of Teacher Education.

## ELEMENTARY EDUCATION PROGRAM

### 1. General Education

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### 2. Professional Education Core

Required of all Teacher Education students

Course Number/Title	Credit Hours
Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psych. & General Methods	2
Psy 324 Psychology of Exceptionality	3
Educ 424 Differentiated Instruction+	2
Theo 381 Christian Teacher's Ministry+	2

**Total Hours: 16**

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

See sections 5, 6, and 7 for information on the Lutheran Teacher Diploma, the Christian Teacher Diploma, and the Public Education requirements.

### 3. Elementary Education Endorsement

Required of all Elementary students

Course Number/Title	Credit Hours
Psy 211 Child Development and Psychology	2
Art 301 Methods of Art Education	2
Math 301 Concepts of Mathematics II	3
Educ 461 Instruction, Assessment & Intervention+	6
Educ 425A ESL/Instruction, Curr. & Assessment.+	3
HHP 363 Health Methods in Elementary School+	1
HHP 364 PE Methods in Elementary School+	1
Professional Semester:	
Educ 363 Teacher Laboratory-Element. Meth.+	6
Educ 381-384 Elementary Student Teaching+	10

**Total Hours: 34**

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

### 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 and the Special Education Endorsement fulfill the subject concentration requirement for students in that

program.

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

### 5. Lutheran Teacher Diploma

Required of all students in Lutheran Education. Must be an active member of a Lutheran Church–Missouri Synod congregation.

Course Number/Title	Credit Hours
Theo 241/242/251/252 Biblical Interpretation	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
Educ 362 Teaching the Christian Faith	2

**Total Hours: 11**

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

### 6. Christian Teacher Diploma

Available to any non-LTD candidates interested in teaching in a Christian school setting.

Course Number/Title	Credit Hours
Choose 9 hours from:	9
Theo 241/242/251/252 Biblical Interpretation (3)	
Phil 301 Concepts in Philosophy (3)	
Theo 375 Christian Denom. & Religious Move. (3)	
Theo 390 World Religions (3)	
Theo 450 Understanding & Teaching the Bible (3)*	
Theo 465 Christian Ethics (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 489 Ministry in a Changing World (3)	

**Total Hours: 9**

\*Biblical Interpretation is a prerequisite for Theo 450.

### 7. Public Education Requirements

Required of all students not choosing the Lutheran Teacher Diploma or the Christian Teacher Diploma.

Course Number/Title	Credit Hours
Educ 295 History of Public Education	3
Educ 296 Topics in Public Education	3
Theo 465 Christian Ethics	3

**Total Hours: 9**

## ELEMENTARY SCHOOL SUBJECT CONCENTRATIONS

### Art

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 103 Drawing I	3
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 243 Ceramics	3
Art 301 Methods of Art Education	2
Art 325 Painting	3
Art 345 Sculpture	3
Two courses from:	6
Art 271 Art History I (3)	
Art 272 Art History II (3)	
Art 273 Art History III (3)	

**Total Hours: 26**

### Director of Christian Education (DCE)

<u>Course Number/Title</u>	<u>Credit Hours</u>
CEL 229 Introduction to DCE Ministries	2
CEL 329 DCE Ministries II: The Emerging DCE	2
CEL 388 Youth Ministry Theory & Methods	3
CEL 480 Practicum in DCE Ministries	3
CEL 483 Enabling Others to Lead and Teach	3
CEL 484 Confirmation Planning & Implementation	2
CEL 485 Parish Education Program Administration	3
Psy 341 Group Techniques	3
Psy 442 Introduction to Counseling	3
Theo 450 Understanding and Teaching the Bible	3
CEL 487 Planning Adult Education in the Parish	3

**Total Hours: 30**

### English

<u>Course Number/Title</u>	<u>Credit Hours</u>
Eng 221 Intermediate Writing	3
Eng 231 Studies in the English Language	3
Eng 391 Children's Literature	3
One course from:	3
Eng 326 Poetry Writing	
Eng 327 Fiction Writing	
Eng 328 Creative Nonfiction Writing	
Eng 329 Scriptwriting	
Eng 341 or 342 or 343 American Literature I/II/III	3
Eng 362 or 363 or 364 British Literature I/II/III	3
One course from:	3
Eng 366 Shakespeare	
Eng 381 World Literature I	
Eng 382 World Literature II	
Eng 384 World Literature III	

One course from:	3
Eng 383 Modern Poetry	
Eng 385 Psych./Soc. Analysis Modern Lit.	
Eng 387 Modern and Postmodern Drama	

**Total Hours: 24**

Note: 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.

### English as a Second Language

<u>Course Number/Title</u>	<u>Credit Hours</u>
Eng 231 Studies in the English Language	3
Eng 431 English Language and Linguistics	3
Educ 425A ESL/Instruction, Curr. & Assessment	3
Educ 425B ESL/Instruction, Curr. & Assessment	3
CTA 333 Intercultural Communication	3
Educ 398 ESL Practicum	3
or Educ 399 ESL Student Teaching	
Modern Foreign Language	6

**Total Hours: 24**

### General Science

<u>Course Number/Title</u>	<u>Credit Hours</u>
Courses approved by department chair.	24
Must include at least six hours of upper-level course work.	

**Total Hours: 24**

### Geography

<u>Course Number/Title</u>	<u>Credit Hours</u>
Geog 101 Introduction to Human Geography and/or 202 World Regional Geography	3
Geog 281 Physical Geography and Geology	4
15–18 hours of geography electives	15–18

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.

**Total Hours: 25**

### Health Education

<u>Course Number/Title</u>	<u>Credit Hours</u>
HHP 181 Elements of Health	3
HHP 182 First Aid and CPR	2
HHP 366 Health Methods and Curriculum Design	3
HHP 389 Senior Seminar in Health	1
HHP 481 School Health Program	3

Bio 243 Elements Human Anatomy & Physiology	4
Three to five hours of health topics classes	3-5
Minimum of 3 classes from:	
HHP 281 Drug Education (1)	
HHP 283 Consumer Health (1)	
HHP 284 Stress Management (1)	
HHP 285 Nutrition (1)	
HHP 289 Violence and Injury Prevention (1)	
HHP 489 Global Health (2) 1 additional hour optional for study abroad experience	
Select four to six hours from the following	4-6
to bring hours to 25:	
HHP 480 Health and Human Sexuality (3)	
HHP 482 Applied Epidemiology (3)	
HHP 484 Community Health (3)	
HHP 486 Critical Issues in Health (2)	
Bio/HHP 465 Human Diseases (3)	

**Total Hours: 25-26**

### History

Course Number/Title	Credit Hours
Hist 115 United States History	3
Hist 131 World Civilization I	3
Hist 132 World Civilization II	3
Upper-level history electives*	15
*from U.S. and non-U.S. history, including at least nine hours of U.S. history.	

**Total Hours: 24**

### Life Science (Biology)

Course Number/Title	Credit Hours
Bio 110 Principles of Biology	4
Bio 122 General Zoology and/or	3
Bio 225 Vertebrate Anatomy & Morphology (3)	
Bio 317 Ecology and Field Biology	3
Bio 243 Elements of Human Anatomy & Physiology	4
Biology electives*	7-10

\*Note: students may choose to take Bio 343 and 344 in place of Bio 243, with only 3-6 additional hours of biology electives needed.

**Total Hours: 24**

### Mathematics

Course Number/Title	Credit Hours
A minimum of 18 hours of coursework with MATH or CS prefixes. Courses approved by department chair.	

**Total Hours: 18**

### Mandarin

Course Number/Title	Credit Hours
Chns 101 Beginning Mandarin I	3
Chns 102 Beginning Mandarin II	3
Chns 201 Intermediate Mandarin I	3
Chns 202 Intermediate Mandarin II	3
Two courses from:	6
Chns 301 Advanced Mandarin I (3)	
Chns 302 Advanced Mandarin II (3)	
Chns 321 Chinese Culture (taught in Mandarin) (3)	
Chns 341 Introduction to Reading in Mandarin (3)	

**Total Hours: 18**

### Music

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 331 Basic Conducting	2
One course from:	3
Mu 211 Music History to 1750 (3)	
Mu 212 Music History since 1750 (3)	
Mu 213 World Music (3)	
One course from:	2
Mu 332 Instrumental Conducting (2)	
Mu 333 Choral Conducting (2)	
Applied Music	4
Four hours from:*	4
Mu 232 Male Chorus (1)	
Mu 233 Women's Chorale (1)	
Mu 236 University A Cappella Choir (1)	
Mu 241 University Symphonic Band (1)	
Mu 242 University Concert Band (1)	
ScMu 328 Methods of Elementary Music	3
MuAp 171 Beginning Piano	2
students with previous piano experience may schedule a placement exam with music dept.	

\*Ensembles may be audited. The number of hours is reduced by up to 4 if ensembles are audited.

**Total Hours: 30**

### Physical Education

Course Number/Title	Credit Hours
HHP 153 or 155 Dance Class	0.5
HHP 171-177 Aquatics	0.5
One individual/dual activity class from:	0.5
HHP 135 Track and Field	
HHP 152 Badminton	
HHP 154 Golf	
HHP 156 Tennis	



HHP 157 Bowling	
HHP 158 Racquet Ball	
One team activity class from:	0.5
HHP 111 Flag Football	
HHP 112 Lacrosse	
HHP 116 Basketball	
HHP 117 Soccer	
HHP 118 Softball	
HHP 132 Volleyball	
One fitness activity class from:	0.5
HHP 161 Aerobic Walking/ Jogging	
HHP 162 Aquatic Fitness	
HHP 164 Cross Training	
HHP 166 Weight Training	
HHP 168 Aerobics	
One leisure activity class from:	0.5
HHP 142 Orienteering	
HHP 144 Recreational Sports	
HHP 146 Adventure & Cooperative Activities	
HHP 147 Alpine Skiing	
HHP 148 Beginning Climbing	
HHP 149 Wilderness Adventure Activities	
HHP 182 First Aid and CPR	2
HHP 238 Programs in Rhythms and Dance	1
HHP 273 Motor Learning and Development	3
HHP 291 Foundations of Human Performance	2
HHP 365 P.E. in Elementary and Middle School	3
HHP 399 Senior Seminar in Human Performance	1
HHP 471 Adapted Physical Activity	3
Bio 243 Elements of Human Anatomy & Physiology	4
One of the following:	1-3
HHP 228 Programs in Sports (3)	
HHP 248 Programs in Leisure/Adventure Activ. (1)	
If HHP 248 is taken (instead of HHP 228), also select one elective from the following:	2-3
HHP 321 Coaching of Football (2)	
HHP 322 Coaching of Basketball (2)	
HHP 323 Coaching of Softball/Baseball (2)	
HHP 325 Coaching of Track (2)	
HHP 326 Coaching of Soccer (2)	
HHP 327 Coaching of Volleyball (2)	
HHP 367 Recreational Programming (3)	
HHP/Bio 385 Physiology of Exercise (3)	
HHP 395 Biomechanics (3)	
HHP 463 Psychology of Coaching (3)	
HHP 491 Management of P.E., Rec. & Sports (3)	
HHP 494 Meas. & Eval. Human Perform. (3)	

**Total Hours: 25-26**

### Physical Science

Course Number/Title	Credit Hours
General Chemistry Courses	8
Chem 231 Organic Chemistry I	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 381 Modern Physics	3
Elective	1

**Total Hours: 24**

### Self-Directed Concentration (S.D.C.)

Course Number/Title	Credit Hours
<ul style="list-style-type: none"> <li>Elementary education candidates select courses for their concentration</li> <li>Candidates must provide a written rationale for their course selections</li> <li>24 hours of coursework is required for any S.D.C.</li> <li>12 hours of credit must be in upper-level courses (300 and 400 level)</li> <li>A maximum of 6 hours can be used from general education or professional education courses</li> <li>A maximum of 9 hours of upper-level coursework can be transferred from another four-year approved institution.</li> <li>The S.D.C. must be approved by the candidate's advisor, the department chair, and the Dean</li> <li>A copy of the S.D.C. will be filed with the Registrar's office for the purpose of graduation degree evaluation</li> <li>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</li> </ul>	

**Total Hours: 24**

### Social Science (Geography Emphasis)

Course Number/Title	Credit Hours
Geog 101 Introduction to Human Geography	3
or Geog 202 World Regional Geography	
Geog 281 Physical Geography and Geology	4
Geography electives	9
Three courses from the following, representing at least two disciplines:	9
Hist 131 World Civilization I	
Hist 132 World Civilization II	
Hist 421 Latin America	
Hist 455 East Asian Civilizations	
PS 111 American Government	

Soc 201 Cultural Anthropology  
Soc 331 The Family

**Total Hours: 25**

### Social Science (History Emphasis)

Course Number/Title	Credit Hours
Hist 115 United States History	3
Hist 132 World Civilization II	3
History Electives	9
including at least one upper-level U.S. history and one upper-level non-U.S history courses	
Three courses from the following, representing at least two disciplines:	9
Geog 311 Geography of North America	
Geog 331 Geography of Europe	
Geog 341 Geography of Asia	
Soc 201 Cultural Anthropology	
PS 111 American Government	

**Total Hours: 24**

### Social Science (Sociology Emphasis)

Course Number/Title	Credit Hours
Soc 101 Introduction to Sociology	3
Soc 331 The Family	3
Sociology Electives	9
Three courses from the following, representing at least two disciplines:	9
Geog 202 World Regional Geography	
Geog 315 Environmental Science	
Geog 391 Urban Geography	
Hist 132 World Civilization II	
Hist 309 Isolation to World War II	
Hist 410 U.S. History Since 1945	
Hist 417 African American History	
Hist 421 Latin America	
Hist 455 East Asian Civilizations	
PS 111 American Government	

**Total Hours: 24**

### Social Science (Multicultural Studies Emphasis)

Course Number/Title	Credit Hours
Geog 202 World Regional Geography	3
Hist 131 World Civilization I	3
Hist 132 World Civilization II	3
Soc 201 Cultural Anthropology	3
Four courses from the following, representing at least two disciplines:	12
Geog 331 Geography of Europe	
Geog 341 Geography of Asia	
Hist 417 African American History	

Hist 421 Latin America  
Hist 455 East Asian Civilizations  
Soc 221 Social Problems  
Soc 361 Social Theory

**Total Hours: 24**

### Spanish

Course Number/Title	Credit Hours
24 hours of an approved, specific sequence of courses. Courses used will vary, depending upon the student's preparation. Students with little or no background in Spanish will begin with Span 101; those with two or more years of high school Spanish will begin with Span 102 or 201.	

**Total Hours: 24**

### Speech/Drama

Course Number/Title	Credit Hours
Eng 102 Experiences in Writing	3
CTA 151 Introduction to Dramatic Arts	3
CTA 154 Creative Drama	3
CTA 211 Public Speaking	3
CTA 231 Oral Interpretation	3
Communication and theatre arts electives	6

**Total Hours: 21**

### World and Intercultural Studies

Course Number/Title	Credit Hours
CTA 333 Intercultural Communication	3
Geog 202 World Regional Geography	3
Eng 384 World Literature III* or Hist 132 World Civilization II	3
HHP 489 Global Health (with service learning trip)	3
PS 211 Global Issues	3
Soc 201 Cultural Anthropology	3
Theo 390 World Religions	3
Modern Language course choice	3

\*May be replaced with Eng 382 World Literature II if needed.

**Total Hours: 24**

### English as a Second Language-Supplemental Endorsement

Course Number/Title	Credit Hours
Eng 231 Studies in the English Language	3
Educ 425A ESL/Instruction, Curr. & Assessment	3
Educ 425B ESL/Instruction, Curr. & Assessment	3
CTA 333 Intercultural Communication	3
Educ 399 ESL Student Teaching	3
Modern Foreign Language	3

Students must also present competence in a foreign language equivalent to two years of post-secondary study; the number of hours of language study required is dependent on the student's particular language study background.

**Total Hours: 18**

### Instrumental Music Endorsement

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 202 Aural Skills III	2
Mu 203 Music Theory III	3
Mu 204 Aural Skills IV	2
Mu 205 Music Theory IV	3
Mu 211 Music History to 1750	3
Mu 212 Music History since 1750	3
Mu 213 World Music	3
Mu 303 Arranging	2
Mu 331 Basic Conducting	2
Mu 332 Instrumental Conducting	2
Mu 493 Senior Project	1
ChMu 313 Christian Hymnody or ChMu 411 Christian Liturgy (3)	2
ScMu 262 Techniques in Woodwinds	2
ScMu 263 Techniques in Brass	2
ScMu 264 Techniques in Percussion	2
ScMu 265 Techniques in Strings	2
ScMu 317 Instrumental Literature & Development	2
ScMu 328 Methods of Elementary Music	3
Principle Instrument	10
Keyboard Proficiency pass keyboard proficiency exam	
Voice Proficiency: satisfy level of MuAp 151	
Instrumental Ensembles	7
Symphonic or Concert Band (may audit; required in each of 7 semesters). The number of hours is reduced by up to 7 if ensembles are audited.	
Recital Attendance: See the <i>Music Student Handbook</i>	
Note: 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 as a music major during their first year at Concordia. See the <i>Music Student Handbook</i> for admission and retention procedures.	

**Total Hours: 68-69**

### Vocal Music Endorsement

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 202 Aural Skills III	2
Mu 203 Music Theory III	3
Mu 204 Aural Skills IV	2
Mu 205 Music Theory IV	3
Mu 211 Music History to 1750	3
Mu 212 Music History since 1750	3
Mu 213 World Music	3
Mu 303 Arranging	2
Mu 331 Basic Conducting	2
Mu 333 Choral Conducting	2
Mu 334 Choral Literature and Development	2
Mu 493 Senior Project	1
ChMu 313 Christian Hymnody or ChMu 411 Christian Liturgy (3)	2
ScMu 328 Methods of Elementary Music Principle Instrument	3 10
Keyboard Proficiency pass keyboard proficiency exam	
Voice Proficiency: satisfy level of MuAp 251	
Choral Ensembles	7
May audit; required in each of 7 semesters. The number of hours is reduced by up to 7 if ensembles are audited.	
Recital Attendance: See the <i>Music Student Handbook</i>	
Note: 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 as a music major during their first year at Concordia. See the <i>Music Student Handbook</i> for admission and retention procedures.	

**Total Hours: 60-61**

## EARLY CHILDHOOD EDUCATION PROGRAM

### 1. General Education

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### 2. Professional Education Core

Required of all Teacher Education students

Course Number/Title	Credit Hours
Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psych. & General Methods	2
Psy 324 Psychology of Exceptionality	3
Educ 424 Differentiated Instruction+	2
Theo 381 Christian Teacher's Ministry+	2

**Total Hours: 16**

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

See sections 5, 6, and 7 for information on the Lutheran Teacher Diploma, the Christian Teacher Diploma, and the Public Education requirements.

### 3. Elementary Education Endorsement

Required of all Elementary students

Course Number/Title	Credit Hours
Psy 211 Child Development and Psychology	2
Art 301 Methods of Art Education	2
Math 301 Concepts of Mathematics II	3
Educ 461 Instruction, Assessment & Intervention+	6
Educ 425A ESL/Instruction, Curr. & Assessment+	3
HHP 363 Health Methods in Elementary School+	1
HHP 364 PE Methods in Elementary School+	1
Professional Semester:	
Educ 363 Teacher Laboratory-Element. Meth.+	6
Educ 381-384 Elementary Student Teaching+	10

**Total Hours: 34**

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

### 4. Early Childhood Education Endorsement

Required of all ECE students (available only with the elementary endorsement program)

Course Number/Title	Credit Hours
Eng 391 Children's Literature	3
Psy 212 Child Development & Psychology/EC	1
Educ 330 ECE Foundations & Programs	3
Educ 331 Infants & Toddlers: Dev., Curr. & Teach.	3
Educ 333 Primary Educ. & Literacy Development	3
Educ 430 School, Community, & Parent Involve.+	2
Professional Semester:*	
Educ 332 Early Childhood Curr. & Method+	3
Educ 452 Early Childhd. Prog. Organ. & Mgm+	3
Educ 380 Student Teaching in Pre-Primary+	10

**Total Hours: 31**

\*ECE requires two professional semesters

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

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

### 5. Lutheran Teacher Diploma

Required of all students in Lutheran Education. Must be an active member of a Lutheran Church–Missouri Synod congregation.

Course Number/Title	Credit Hours
Theo 241/242/251/252 Biblical Interpretation	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
Educ 362 Teaching the Christian Faith	2

**Total Hours: 11**

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

### 6. Christian Teacher Diploma

Available to any non-LTD candidates interested in teaching in a Christian school setting.

Course Number/Title	Credit Hours
Choose 9 hours from:	9
Theo 241/242/251/252 Biblical Interpretation (3)	
Phil 301 Concepts in Philosophy (3)	
Theo 375 Christian Denom. & Religious Move. (3)	
Theo 390 World Religions (3)	
Theo 450 Understanding & Teaching the Bible (3)*	
Theo 465 Christian Ethics (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 489 Ministry in a Changing World (3)	

**Total Hours: 9**

\*Biblical Interpretation is prerequisite for Theo 450.

## 7. Public Education Requirements

Required of all students not choosing the Lutheran Teacher Diploma or the Christian Teacher Diploma.

Course Number/Title	Credit Hours
Educ 295 History of Public Education	3
Educ 296 Topics in Public Education	3
Theo 465 Christian Ethics	3
<b>Total Hours:</b>	<b>9</b>

## EARLY CHILDHOOD INCLUSIVE PROGRAM

### 1. General Education

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

See sections 5, 6, and 7 for information on the Lutheran Teacher Diploma, the Christian Teacher Diploma, and the Public Education requirements.

### 2. Professional Education

Course Number/Title	Credit Hours
Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
EDPS 210 Educational Psych. & General Methods	2
Educ 346 Instructional Technology	3
Theo 381 Christian Teacher's Ministry+	2
Educ 425A ESL/Instruction, Curr. & Assessment+	3
<b>Total Hours:</b>	<b>14</b>

### 3. Birth – 3<sup>rd</sup> Early Childhood/Special Education Content Courses

Course Number/Title	Credit Hours
ASL 101 American Sign Language	3
Psy 324 Psychology of Exceptionality+	3
Eng 391 Children's Literature	3
Educ 330 ECE Foundations & Programs	3
Educ 331 Infants & Toddlers: Dev., Curr. & Teach.	3
Educ 315 Behavior Disorders & Intervention	3
Educ 316 Teaching Students w/Moderate Dis.	3
Educ 314 Assessment, Evaluation, and IEP	3
Educ 317 Teaching Students w/Learning Dis.	3
Educ 430 School, Community, & Parent Involve.+	2
HHP 471 Adaptive Physical Activity	3
Educ 461 Instruction, Assessment & Intervention+	6
Educ 452 Early Childhd. Prog. Organ. & Mgm+	3
<b>Total Hours:</b>	<b>41</b>

## 4. Age 3-Grade 3 Concentration

Course Number/Title	Credit Hours
Psy 211 Child Development & Psychology	2
Psy 212 Child Development & Psychology/EC	1
Educ 424 Teaching the Diverse Learner+	2
Educ 333 Primary Educ. & Literacy Development	3
Art 301 Methods of Art Instruction	2
Educ 332 Early Childhood Curr. & Method+	3
Educ ____ Student Teaching +	16

**Total Hours: 29**

\*ECI requires 8 weeks student teaching in an inclusive pre-primary setting and 8 weeks in a primary inclusive setting.

+Students must be admitted to the teacher education program prior to enrolling in courses marked with a +.

Sections 5, 6 and 7 identify the requirements for the Lutheran Teacher Diploma, Christian Teacher Diploma, and Public Education requirements (choose one).

## 5. Lutheran Teacher Diploma

Required of all students in Lutheran Education. Must be an active member of a Lutheran Church–Missouri Synod congregation.

Course Number/Title	Credit Hours
Theo 241/242/251/252 Biblical Interpretation	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
Educ 362 Teaching the Christian Faith	2

**Total Hours: 11**

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

## 6. Christian Teacher Diploma

Available to any non-LTD candidates interested in teaching in a Christian school setting.

Course Number/Title	Credit Hours
Choose 9 hours from:	9
Theo 241/242/251/252 Biblical Interpretation (3)	
Phil 301 Concepts in Philosophy (3)	
Theo 375 Christian Denom. & Religious Move. (3)	
Theo 390 World Religions (3)	
Theo 450 Understanding & Teaching the Bible (3)*	
Theo 465 Christian Ethics (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	

Theo 489 Ministry in a Changing World (3)

**Total Hours: 9**

\*Biblical Interpretation is prerequisite for Theo 450.

### **7. Public Education Requirements**

Required of all students not choosing the Lutheran Teacher Diploma or the Christian Teacher Diploma.

<u>Course Number/Title</u>	<u>Credit Hours</u>
Educ 295 History of Public Education	3
Educ 296 Topics in Public Education	3
Theo 465 Christian Ethics	3

**Total Hours: 9**

# SPECIAL EDUCATION PROGRAM

## 1. General Education

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

## 2. Professional Education Core

Required of all Teacher Education students

Course Number/Title	Credit Hours
Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psych. & General Methods	2
Psy 324 Psychology of Exceptionality	3
Educ 424 Differentiated Instruction+	2
Theo 381 Christian Teacher's Ministry+	2

**Total Hours: 16**

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

See sections 5, 6, and 7 for information on the Lutheran Teacher Diploma, the Christian Teacher Diploma, and the Public Education requirements.

## 3. Elementary Education Endorsement

Required of all Elementary students

Course Number/Title	Credit Hours
Psy 211 Child Development and Psychology	2
Art 301 Methods of Art Education	2
Math 301 Concepts of Mathematics II	3
Educ 461 Instruction, Assessment & Intervention+	6
Educ 425A ESL/Instruction, Curr. & Assessment+	3
HHP 363 Health Methods in Elementary School+	1
HHP 364 PE Methods in Elementary School+	1
Professional Semester:	
Educ 363 Teacher Laboratory-Element. Meth.+	6
Educ 381-384 Elementary Student Teaching+	10

**Total Hours: 34**

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

## 4. Special Education Endorsement

Course Number/Title	Credit Hours
ASL 101 Beginning American Sign Language	3
HHP 471 Adapted Physical Activity+	3
Psy 324 Psychology of Exceptionality*	3

Educ 424 Differentiated Instruction+	3
Psy 445 Abnormal Psychology	3
Educ 315 Behavior Disorders and Intervention+	3
Educ 316 Teach. Students Moderate Disabilities+	3
Educ 318 Special Education Practicum	3
Educ 430 School, Community, & Parent Involvmnt	2
Educ 461 Instruction, Assessment & Intervention+	6
Educ 425A ESL/Instruction, Curr. & Assessment+	3
Psy 212 Child Development & Psychology/EC	1
Professional Semester:*	
Educ 314 Assessment, Evaluation, and IEP+	3
Educ 317 Teach. Students Learn. Disabilities+	3

**Total Hours: 42**

\*Included as part of the Professional Core in Teacher Education

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

Students wishing to receive a K-12 Special Education Endorsement must complete the following additional 9 hours of coursework:

Course Number/Title	Credit Hours
ASL 102 Beginning American Sign Language II	3
Psy 211 Child Psychology	2
Psy 421 Adolescent Psychology	2
Psy 422 Adolescent Psychology – Young Adol.	2

## 5. Lutheran Teacher Diploma

Required of all students in Lutheran Education. Must be an active member of a Lutheran Church–Missouri Synod congregation.

Course Number/Title	Credit Hours
Theo 241/242/251/252 Biblical Interpretation	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
Educ 362 Teaching the Christian Faith	2

**Total Hours: 11**

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

## 6. Christian Teacher Diploma

Available to any non-LTD candidates interested in teaching in a Christian school setting.

Course Number/Title	Credit Hours
Choose 9 hours from:	9
Theo 241/242/251/252 Biblical Interpretation (3)	
Phil 301 Concepts in Philosophy (3)	
Theo 375 Christian Denom. & Religious Move. (3)	

Theo 390 World Religions (3)  
Theo 450 Understanding & Teaching the Bible (3)\*  
Theo 465 Christian Ethics (3)  
Theo 482 Nurturing Faith Family, Schl., Cong. (3)  
Theo 489 Ministry in a Changing World (3)

**Total Hours: 9**

\*Biblical Interpretation is prerequisite for Theo 450.

## 7. Public Education Requirements

Required of all students not choosing the Lutheran Teacher Diploma or the Christian Teacher Diploma.

<u>Course Number/Title</u>	<u>Credit Hours</u>
Educ 295 History of Public Education	3
Educ 296 Topics in Public Education	3
Theo 465 Christian Ethics	3

**Total Hours: 9**

The Special Education endorsement is also available with Middle Level and Secondary Education. See p. 40 for Middle Level and p. 50 for Secondary.



## MIDDLE LEVEL EDUCATION PROGRAM

### 1. General Education

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### 2. Professional Education Core

Required of all Teacher Education students

Course Number/Title	Credit Hours
Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psych. & General Methods	2
Psy 324 Psychology of Exceptionality	3
Educ 424 Differentiated Instruction+	2
Theo 381 Christian Teacher's Ministry+	2

**Total Hours: 16**

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

See sections 5, 6, and 7 for information on the Lutheran Teacher Diploma, the Christian Teacher Diploma, and the Public Education requirements.

### 3. Middle Level Education Endorsement

Required of all Middle Level Education students

Course Number/Title	Credit Hours
Educ 211 Middle Level Seminar I	2
Eng 392 Reading Interests of Adolescents+ or Eng 491 Issues in Lit. for Children and Youth+	3
Educ 401 Middle Level Instruction+	3
Psy 421 Adolescent Psychology and Development+	2
Educ 470 Content Area Literacy+	3
Educ 425A ESL/Instruction, Curr. & Assessment+	3
Educ 364 Teacher Lab Components for Middle Level (math, soc. st., science)+	3
Psy 422 Psych. & Development Young Adolescent+	2
Professional Semester:	
Educ 37x Secd. Methods Content Teach. Area I+	2
Educ 37x Secd. Methods Content Teach. Area II+	2
(except HHP)	
Educ 396a/b Middle Level Student Teaching+	10

**Total Hours: 35**

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

### 4. Middle Level Content Teaching Areas

Middle Level Content Teaching Area I (18 hours)\*\*

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

Middle Level Content Teaching Area II (18 hours)\*\*

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

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

### 5. Lutheran Teacher Diploma

Required of all students in Lutheran Education. Must be an active member of a Lutheran Church–Missouri Synod congregation.

Course Number/Title	Credit Hours
Theo 241/242/251/252 Biblical Interpretation	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
Educ 362 Teaching the Christian Faith	2

**Total Hours: 11**

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

### 6. Christian Teacher Diploma

Available to any non-LTD candidates interested in teaching in a Christian school setting.

Course Number/Title	Credit Hours
Choose 9 hours from:	9
Theo 241/242/251/252 Biblical Interpretation (3)	
Phil 301 Concepts in Philosophy (3)	
Theo 375 Christian Denom. & Religious Move. (3)	
Theo 390 World Religions (3)	
Theo 450 Understanding & Teaching the Bible (3)*	
Theo 465 Christian Ethics (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 489 Ministry in a Changing World (3)	

**Total Hours: 9**

\*Biblical Interpretation is a pre-requisite for Theo 450.

### 7. Public School Emphasis

Required of all students not choosing the Lutheran Teacher Diploma or the Christian Teacher Diploma.

<u>Course Number/Title</u>	<u>Credit Hours</u>
Educ 295 History of Public Education	3
Educ 296 Topics in Public Education	3
Theo 465 Christian Ethics	3

**Total Hours: 9**

## MIDDLE LEVEL CONTENT TEACHING AREAS

### Art

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 103 Drawing I	3
Art 161 Visual Studies	1
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 243 Ceramics	3
Art 273 Art History III	3
Art 325 Painting	3
Art 301 Methods of Art Education	2
Educ 377 is the methods course for Art.	

**Total Hours: 21**

### Business Education

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bus 121 Financial Accounting	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Econ 101 Principles of Macroeconomics	3
One course from:	3-4
Bus 325 Accounting & Information Systems (4)	
Bus 371 Information Systems (3)	
One course from:	3
Bus 331 Finance (3)	
Bus 443 Organizational Behavior (3)	
Educ 369 is the methods course for Business.	

**Total Hours: 18-19**

### Health and Physical Education

<u>Course Number/Title</u>	<u>Credit Hours</u>
HHP 181 Elements of Health	3
HHP 273 Motor Learning and Development	3
HHP 291 Foundations of Human Performance	2
HHP 365 P.E. in Elementary and Middle School	3
HHP 366 Health Methods and Curriculum Design	3
HHP 471 Adapted Physical Activity	3
HHP 480 Health and Human Sexuality	3
Choose one activity course from each of the following areas:	
Team	0.5
Individual/Dual	0.5
Health & Fitness	0.5

Leisure	0.5
Aquatics	0.5
Dance	0.5

**Total Hours: 23**

### Language Arts

<u>Course Number/Title</u>	<u>Credit Hours</u>
Eng 231 Studies in the English Language	3
One course from:	3
Eng 221 Intermediate Writing (3)	
Eng 326 Poetry Writing (3)	
Eng 327 Fiction Writing (3)	
Eng 328 Creative Nonfiction Writing (3)	
Eng 329 Scriptwriting (3)	
One course from:	3
Eng 341 American Literature I (3)	
Eng 342 American Literature II (3)	
Eng 343 American Literature III (3)	
Eng 362 British Literature I (3)	
Eng 363 British Literature II (3)	
Eng 364 British Literature III (3)	
CTA 151 Introduction to Dramatic Arts	3
CTA 203 Communication Theory	3
One course from:	3
CTA 154 Creative Drama (3)	
CTA 211 Public Speaking (3)	
CTA 225 Writing and Reporting (3)	
CTA 231 Oral Interpretation (3)	
Both Educ 371 and 378 are required methods courses.	

Note: 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.

**Total Hours: 18**

### Mathematics

<u>Course Number/Title</u>	<u>Credit Hours</u>
Math 122 Introduction to Statistics	3
One course from:	3-4
Math 182 Calculus w/ Applications (3)	
Math 184 Calculus I (4)	
Math 301 Concepts of Mathematics II	3
Additional Math or CS courses*	9-10
*A minimum of 18 hours of coursework with MATH or CS prefixes. Courses approved by department chair.	

**Total Hours: 18-19**

**Natural Sciences**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 110 Principles of Biology	4
One course from:	3-4
Chem 109 Introductory Chemistry (3)	
Chem 115 General Chemistry (4)	
Phys 110 Principles of Physics	4
Sci/Geo 281 Physical Geography and Geology	4
Sci/Phys 331 Descriptive Astronomy	3
Sci/Geog 315 Environmental Science	3

Educ 373 is the methods course for Science.

**Total Hours: 21-22**

**Social Sciences**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Hist 115 United States History	3
Hist 131 World Civilization I	3
Hist 132 World Civilization II	3
Choose one option from:	3-6
Hist 313 Religion & Society in the U.S. (3)	
OR Hist 306 The Atlantic World (3) AND	
Hist 307 The Early American Nation (3)	
PS 111 American Government	3
Econ 101 Principles of Macroeconomics	3
or Econ 102 Principles of Microeconomics	
Geog 101 Introduction to Human Geography	3
or Geog 202 World Regional Geography	

Educ 372 is the methods course for Social Sciences.

**Total Hours: 21-24**

**Spanish**

<u>Course Number/Title</u>	<u>Credit Hours</u>
18 hours of an approved specific sequence of courses. Courses will vary, depending upon the student's preparation. Students with little or no background in Spanish will begin with Span 101. Those with two or more years of high school Spanish will begin with Span 102 or 201.	

Educ 367 Methods in Secondary Modern Languages is also required.

**Total Hours: 18**

**Special Education**

<u>Course Number/Title</u>	<u>Credit Hours</u>
ASL 101 Beginning American Sign Language	3
HHP 471 Adapted Physical Activity+	3
Psy 324 Psychology of Exceptionality*	3
Educ 424 Differentiated Instruction	3
Psy 445 Abnormal Psychology	3
Educ 315 Behavior Disorders and Intervention+	3
Educ 316 Teach. Students Moderate Disabilities+	3

Educ 318 Special Education Practicum	3
Educ 430 School, Community, & Parent Involvmnt	2
Educ 461 Instruction, Assessment & Intervention+	6
Educ 425A ESL/Instruction, Curr. & Assessment+	3
Psy 212 Child Development & Psychology/EC	1
Professional Semester:*	
Educ 314 Assessment, Evaluation, and IEP+	3
Educ 317 Teach. Students Learn. Disabilities+	3

**Total Hours: 42**

\*Included as part of the Professional Core in Teacher Education.

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

## SECONDARY EDUCATION PROGRAM

### 1. General Education

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### 2. Professional Education Core

Required of all Teacher Education students

Course Number/Title	Credit Hours
Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psych. & General Methods	2
Psy 324 Psychology of Exceptionality	3
Educ 424 Differentiated Instruction+	2
Theo 381 Christian Teacher's Ministry+	2

**Total Hours: 16**

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

See sections 5, 6, and 7 for information on the Lutheran Teacher Diploma, the Christian Teacher Diploma, and the Public Education requirements.

### 3. Secondary Education Endorsement

Secondary and K-12 Students

Course Number/Title	Credit Hours
Psy 421 Adolescent Psychology and Development+	2
Educ 470 Content Area Literacy+	3
Professional Semester:	
Educ 301 Principles of Secondary Education+	2
Educ 367-379 Secondary Methods Courses+*	2-4
Educ 385 Secondary Student Teaching+	10

**Total Hours: 19-21**

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

\*Methods courses: a two-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.

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

### 4. Field Endorsement OR Comprehensive Subject Major OR Two Subject Endorsements

Field Endorsement (45-64 hours)

OR Comprehensive Subject Major (48-57 hours)

OR Two Subject Endorsements (29-39 hours each)

### 5. Lutheran Teacher Diploma

Required of all students in Lutheran Education. Must be an active member of a Lutheran Church—Missouri Synod congregation.

Course Number/Title	Credit Hours
Theo 241/242/251/252 Biblical Interpretation	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3

**Total Hours: 9**

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

### 6. Christian Teacher Diploma

Available to any non-LTD candidates interested in teaching in a Christian school setting.

Course Number/Title	Credit Hours
Choose 9 hours from:	9
Theo 241/242/251/252 Biblical Interpretation (3)	
Phil 301 Concepts in Philosophy (3)	
Theo 375 Christian Denom. & Religious Move. (3)	
Theo 390 World Religions (3)	
Theo 450 Understanding & Teaching the Bible (3)*	
Theo 465 Christian Ethics (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 489 Ministry in a Changing World (3)	

**Total Hours: 9**

\*Biblical Interpretation is a prerequisite for Theo 450.

### 7. Public Education Requirements

Required of all students not choosing the Lutheran Teacher Diploma or the Christian Teacher Diploma.

Course Number/Title	Credit Hours
Educ 295 History of Public Education	3
Educ 296 Topics in Public Education	3
Theo 465 Christian Ethics	3

**Total Hours: 9**

**SECONDARY FIELD ENDORSEMENTS**

**Art (K-12 Certification)**

Course Number/Title	Credit Hours
Art 103 Drawing I	3
Art 145 Digital Imaging	3
Art 161 Visual Studies	1
Art 190 Introduction to Graphic Design	3
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 213 Drawing II	3
Art 223 Watercolor	3
Art 235 Basic Digital Photography	3
Art 243 Ceramics	3
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3
Art 301 Methods of Art Education	2
Art 315 Printmaking	3
Art 325 Painting	3
Art 345 Sculpture	3
Art 425 Collage and Mixed Media	3
Art 489 Portfolio	2
Art Elective	3

Educ 377 is the methods course for this endorsement.

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

**Total Hours: 56**

**Business, Marketing and Information Technology**

Course Number/Title	Credit Hours
<i>Business Administration (28 hours)</i>	
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Bus 300 Business Law	3
Bus 325 Accounting and Information Systems	4
Bus 331 Finance*	3
Bus 369 International Business	3
Bus 446 Strategic Management	3

\*Bus 331 has prerequisite Econ 101, which can be used to meet general education social science requirements.

*Marketing (6 hours)*

Choose two courses from:	6
Bus 111 Entrepreneurship (3)	
Bus 362 Advert. & Integrated Marketing Comm. (3)	
Bus 363 Sales and Sales Management (3)	
Bus 364 Consumer Behavior (3)	

Bus 366 Marketing Research (3)  
CTA 285 Social Media (3)

*Information Technology (9 hours)*

Choose three courses from:	9
Art 365 Introduction to Interactive Design* (3)	
Bus 442 Info. Systems Design & Development. (3)	
CS 121 Programming and Applications (3)	
CS 131 Computer Programming I (3)	
CS 141 Computer Programming II (3)	
Educ 346 Instructional Technology** (3)	

*Career Education (3 hours)*

Educ 349 Principles of Career Education & Supervision of Work Learning	3
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*Work Experience*

Bus 399 Internship	3
The Work Experience requirement may be met by Bus 399 with at least 300 hours of supervised work experience. Alternatively, a student may complete 1000 verified hours of volunteer or paid work experience and take a Business elective to reach 49 credits.	

\*Art 365 has prerequisites of Art 145 and 190.

\*\*Educ 346 is already a requirement in the secondary education professional sequence.

Students must pass a competency test in keyboarding and related skills. See department chair for details. Students must also actively participate in the student business organization for at least two years.

**Total Hours: 49**

**English Language Arts**

Course Number/Title	Credit Hours
Eng 201 Introduction to Literature	3
Eng 221 Intermediate Writing	3
Eng 231 Studies in the English Language	3
One course from:	3
Eng 326 Poetry Writing (3)	
Eng 327 Fiction Writing (3)	
Eng 328 Creative Nonfiction Writing (3)	
One course from:	3
Eng 341 American Literature I (3)	
Eng 342 American Literature II (3)	
Eng 343 American Literature III (3)	
One course from:	3
Eng 362 British Literature I (3)	
Eng 363 British Literature II (3)	
Eng 364 British Literature III (3)	
Eng 366 Shakespeare	3
One course from:	3
Eng 381 World Literature I (3)	

Eng 382 World Literature II (3)	
Eng 384 World Literature III (3)	
One course from:	3
Eng 383 Modern Poetry (3)	
Eng 385 Psych./Social Analysis Modern Lit. (3)	
Eng 387 Modern and Postmodern Drama (3)	
Eng 392 Reading Interests of Adolescents	3
Eng 431 English Language and Linguistics	3
CTA 152 Basic Acting Technique	3
or CTA 231 Oral Interpretation	
CTA 153 Theatre History	3
CTA 200 Forensics	3
CTA 211 Public Speaking	3
CTA 225 Writing and Reporting	3
CTA 232 Costume and Makeup Design	2
CTA 233 Stage Scenery, Lighting, & Sound	4
CTA 241 Media: Impacts and Influences	3
CTA 373 Play Production	3
One course from:	3
CTA 203 Communication Theory (3)	
CTA 302 Rhetorical Theory (3)	
CTA 306 Interpersonal Communication (3)	
CTA 333 Intercultural Communication (3)	
CTA 400 Communication Research (3)	

Educ 371 and 378 are the methods courses for this endorsement.

Students are encouraged to take CTA 226.

Note: 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.

**Total Hours: 67**

### Health and Physical Education

Course Number/Title	Credit Hours
One Dance class (HHP 153, 155)	0.5
One Aquatics class (HHP 171-177)	0.5
One Individual/Dual activity class (HHP 135, 152, 154, 156, 157, 158)	0.5
One Team activity class (HHP 111, 112, 116, 117, 118, 132)	0.5
One Fitness activity class (HHP 161, 162, 164, 166, 168)	0.5
One Leisure activity class (HHP 142, 144, 146, 147, 148, 149)	0.5
HHP 181 Elements of Health	3
HHP 182 First Aid and CPR	2
HHP 228 Programs in Sports	3
HHP 238 Programs in Rhythms and Dance	1
HHP 248 Programs in Leisure/Adventure Activities	1

HHP 273 Motor Learning and Development	3
Choose five health topics courses from:	5-7
HHP 281 Drug Education (1)	
HHP 283 Consumer Health (1)	
HHP 284 Stress Management (1)	
HHP 285 Nutrition (1)	
HHP 286 or 287 Men's or Women's Health (1)	
HHP 288 Health and Aging (1)	
HHP 289 Violence and Injury Prevention (1)	
HHP 489 Global Health (2-3)	
HHP 291 Foundations of Human Performance	2
HHP 365 P.E. in Elementary and Middle School	3
HHP 366 Health Methods and Curriculum Design	3
HHP 376 Secondary PE Methods & Curric. Design	3
HHP 379 Senior Seminar in K-12 HPE	1
HHP/Bio 385 Physiology of Exercise	3
HHP 395 Biomechanics	3
HHP/Bio 465 Human Diseases	3
HHP 471 Adapted Physical Activity	3
HHP 480 Health and Human Sexuality	3
HHP 481 School Health Program	3
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	2
HHP 491 Management of P.E., Rec., & Sports	3
HHP 494 Measurement & Evaluation Human Perf.	3
Bio 243 Elements of Human Anatomy & Physiology	4

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.

**Total Hours: 66-68**

### Music

Use the Bachelor of Music in Education program.

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

### Science

Course Number/Title	Credit Hours
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 208 General Genetics	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & 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
Sci/Geog 281 Physical Geography and Geology	4

Sci/Phys 331 Descriptive Astronomy 3  
 12 hours of electives, chosen from the following: 12  
 Bio 122 General Zoology (3)  
 Bio 225 Vertebrate Anatomy & Morphology (3)  
 Bio 243 Principles Human Anat. & Physiology (4)  
 (cannot also take Bio 343 or 344)  
 Bio 271 Embryology (3)  
 Bio 317 Ecology and Field Biology (3)  
 Bio 319 Cell and Molecular Biology (3)  
 Bio 343 Human Anatomy & Physiology I (4)  
 Bio 344 Human Anatomy & Physiology II (4)  
 Bio 345 Midwest Flora (3)  
 Bio 351 General Microbiology (4)  
 Bio 36\_ Biology Study Tour (3)  
 Chem 313 Advanced Inorganic Chemistry (3)  
 Chem 325 Analytical Chemistry (4)  
 Chem 331 Organic Chemistry II (4)  
 Chem 345 Biochemistry (4)  
 Chem/Phys 353 Physical Chem. I/Thermodyn. (3)  
 Chem/Phys 354 Phys. Chem. II/Quantum Mech. (3)  
 Chem/Phys 355 Physical Chemistry I laboratory (1)  
 Chem/Phys 356 Physical Chemistry II laboratory (1)  
 Phys 211 Calculus Topics in Physics I (1)  
 Phys 212 Calculus Topics in Physics II (1)  
 Phys 221 Statics (3)  
 Phys 321 Introductory Mechanics (3)  
 Phys 371 Electronics (3)  
 Phys 382 Advanced Physics Lab (1)  
 Phys 383 Intro. to Nuclear and Particle Physics (3)  
 Phys 390 Electricity and Magnetism (3)  
 Sci/Geog 315 Environmental Science (3)  
 Sci/Geog 381 Meteorology and Oceanography (3)  
 Educ 373 is the methods course for this endorsement.  
 Math 184 and 186 are prerequisites for some chemistry and physics courses. Students receiving credit for Chem/Phys 353, Chem/Phys 354, Phys 221, or Phys 390 may use Math 186 (4 hours) towards the 12-hour elective requirement.

**Total Hours: 54**

**Social Science**

Course Number/Title	Credit Hours
Hist 115 United States History	3
Hist 131 World Civilization I	3
Hist 132 World Civilization II	3
Upper-level history electives	12
Including at least six hours of U.S. history and at least three hours of non-U.S. history.	
Cognate area	9
Choose one of the following:	

*Sociology*  
 Soc 101 Introduction to Sociology (3)  
 Sociology electives (excluding Soc 201) (6)  
*Geography*  
 Geog 101 Introduction to Human Geography (3)  
 or Geog 202 World Regional Geography (3)  
 Geography electives above the 100 level (6)  
*Psychology*  
 Psy 101 Introduction to Psychology (3)  
 Psy 451 Personality Theory (3)  
 Soc 345 Social Psychology (3)  
*Political Science*  
 PS 111 American Government (3)  
 PS 211 Global Issues (3)  
 Hist 311 American Foreign Relations (3)

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

<i>Geography</i>	6
Geog 101 Introduction to Human Geography (3) or Geog 202 World Regional Geography (3) Geography elective above the 100 level (3)	
<i>Economics</i>	6
Econ 101 Principles of Macroeconomics (3) Econ 102 Principles of Microeconomics (3)	
<i>Sociology</i>	6
Soc 101 Introduction to Sociology (3) Sociology elective (excluding Soc 201) (3)	
<i>Psychology</i>	6
Psy 101 Introduction to Psychology (3) Psy 451 Personality Theory (3) or Soc 345 Social Psychology (3)	
<i>Political Science</i>	6
PS 111 American Government (3) PS 211 Global Issues (3) Hist 311 American Foreign Relations (3)	

Six hours of electives 6  
 from the areas of history, geography, political science, sociology, and anthropology (Soc 201).  
 Educ 372 is the methods course for this endorsement.

**Total Hours: 60**

**COMPREHENSIVE SUBJECT MAJORS**

**Biology**

Course Number/Title	Credit Hours
Chem 115 General Chemistry	4
Sci/Geog 281 Physical Geography and Geology	4
Phys 110 Principles of Physics	4

Math 122 Introduction to Statistics	3
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 208 General Genetics	4
Bio 122 General Zoology	3
Bio 225 Vertebrate Zoology & Morphology	3
One of the following options:	4-8
Bio 243 Elements of Human Anatomy & Phys. (4)	
OR Bio 343 Human Anatomy & Physiology I (4)	
AND Bio 344 Human Anatomy & Physiology II (4)	
Bio 317 Ecology and Field Biology	3
Bio 345 Midwest Floral Identification	3
Bio 351 General Microbiology	4
Bio 399 Research in Biology (2 Hours minimum)	2
Six hours of Biology electives from:	6
Bio 271 Introductory Embryology (3)	
Bio 319 Cell and Molecular Biology (3)	
Bio 362 Study Tour (3)	
Bio 363 Study Tour (3)	
Bio 371 The Biology of the Brain (3)	
Chem 345 Introductory Biochemistry (4)	

\*Note: if students elect to take Bio 343 and 344 in place of Bio 243 only 2 hours of biology electives are required. Educ 373 is the methods course for this endorsement.

**Total Hours: 57**

### Chemistry

Course Number/Title	Credit Hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 313 Advanced Inorganic Chemistry	3
Chem 325 Quantitative Analytical Chemistry	4
Chem 331 Organic Chemistry II	4
Chem 345 Introductory Biochemistry	4
Chem 353 Physical Chemistry	3
Chem 354 Physical Chemistry II	3
Chem 355 Physical Chemistry Laboratory	1
Chem 356 Physical Chemistry Laboratory II	1
Sci 365 Science and Society	1
Sci/Geog 281 Physical Geography and Geology	4
Bio 110 Principles of Biology	4
Phys 110 Principles of Physics	4
Math 184 Calculus I	4
Math 186 Calculus II	4

Educ 373 is the methods course for this endorsement.

**Total Hours: 55**

### English

Course Number/Title	Credit Hours
Eng 221 Intermediate Writing	3
Eng 231 Studies in the English Language	3
Two courses from:	6
Eng 326 Poetry Writing (3)	
Eng 327 Fiction Writing (3)	
Eng 328 Creative Nonfiction Writing (3)	
Two courses from:	6
Eng 341 American Literature I (3)	
Eng 342 American Literature II (3)	
Eng 343 American Literature III (3)	
Two courses from:	6
Eng 362 British Literature I (3)	
Eng 363 British Literature II (3)	
Eng 364 British Literature III (3)	
Eng 366 Shakespeare	3
Two courses from:	6
Eng 381 World Literature I (3)	
Eng 382 World Literature II (3)	
Eng 384 World Literature III (3)	
Eng 383 Modern Poetry	3
Eng 385 Psych./Social Analysis of Modern Lit.	3
Eng 387 Modern and Postmodern Drama	3
Eng 392 Reading Interests of Adolescents	3
Eng 431 English Language and Linguistics	3
Educ 371 is the methods course for this endorsement.	

Note: 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.

**Total Hours: 48**

### Health and Physical Education

Course Number/Title	Credit Hours
HHP111-177 Basic Instruction Program	3
Choose one activity course (0.5 hr) from each of the following areas: Dance, Aquatics, Individual/Dual, Team, Fitness, Leisure/Adventure	
HHP 181 Elements of Health	3
HHP 182 First Aid and CPR	2
HHP 228 Programs in Sports	3
HHP 238 Programs in Rhythms and Dance	1
HHP 248 Programs in Leisure/Adventure Activities	1
HHP 273 Motor Learning and Development	3
Four health topics courses from:	4-6
HHP 281 Drug Education (1)	
HHP 283 Consumer Health (1)	
HHP 284 Stress Management (1)	
HHP 285 Nutrition (1)	



HHP 289 Violence and Injury Prevention (1)	
HHP 489 Global Health (2-3)	
HHP 291 Foundations of Human Performance	2
HHP 366 Health Methods and Curriculum Design	3
HHP 376 Secondary PE Methods & Curr. Design	3
HHP 379 Senior Seminar in K-12 HPE	1
HHP 385 Physiology of Exercise	3
HHP 395 Biomechanics	3
HHP 471 Adapted Physical Activity	3
HHP 480 Health and Human Sexuality	3
HHP 481 School Health Program	3
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	2
HHP 491 Management of P.E., Recreation & Sports	3
HHP 494 Measurement & Eval. Human Perfor.	3
Bio 243 Elements of Human Anatomy & Physiology	4

At least 6 hours (HHP 182 and Bio 243) may be used to count toward general education. HHP/Bio 385 may also count, depending on a student's high school experience.

**Total Hours: 59-61**

**Mathematics**

<u>Course Number/Title</u>	<u>Credit Hours</u>
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 332 Abstract Algebra I	3
Math 333 Linear Algebra	3
Math 335 Number Theory	3
Math 348 Discrete Mathematics	3
Math 365 Foundations of Geometry	3
Math 382 Real Analysis I	3
Math 384 Differential Equations	3
Math 475 Mathematical Modeling	3
CS 131 Computer Programming I	3

Educ 374 is also required for this endorsement.

**Total Hours: 45**

**Physics**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 321 Introductory Mechanics	3
Phys 351 Classroom Activities w/ Physical Science	3
Phys 371 Electronics	3
Phys 381 Modern Physics	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear & Particle Physics	3
Phys 390 Electricity and Magnetism	3

Sci 202 Science of Everyday Things	2
Sci/Phys 331 Descriptive Astronomy	3
Sci/Phys 365 Science and Society	1
Sci/Geog 281 Physical Geography and Geology	4
Sci/Geog 381 Meteorology and Oceanography	3
Chem 115 General Chemistry	4
Bio 110 Principles of Biology	4
Math 184 Calculus I	4
Math 186 Calculus II	4

Math 284 and 384 are recommended. Educ 373 is the methods course for this endorsement.

**Total Hours: 56**

**SECONDARY SUBJECT ENDORSEMENTS**

**Biology**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Chem 115 General Chemistry	4
Sci/Geog 281 Physical Geography and Geology	4
Phys 110 Principles of Physics	4
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 208 General Genetics	4
Bio 317 Ecology and Field Biology	3
Bio 243 Elements of Human Anatomy & Physiology 4 or BOTH	
Bio 343 Human Anatomy and Physiology I (4) AND	
Bio 344 Human Anatomy and Physiology II (4)	
Bio 122 General Zoology	3
or Bio 225 Vertebrate Zoology & Morphology (3)	
Educ 373 is the methods course for this endorsement.	

**Total Hours: 36**

**Basic Business**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bus 111 Entrepreneurship	3
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Bus 300 Business Law	3
Bus 325 Accounting and Information Systems	4
Bus 331 Finance	3
Bus 369 International Business	3
Bus 446 Strategic Management	3
CS 121 Programming and Applications	3
Econ 101 Principles of Macroeconomics	3

Students must pass a competency test in keyboarding and related skills. See department chair

for details. Student must also actively participate in the student business organization for at least one year. Educ 369 is the methods course for this endorsement.

**Total Hours: 37**

### Chemistry

Course Number/Title	Credit Hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 313 Advanced Inorganic Chemistry	3
Chem 325 Quantitative Analytical Chemistry	4
Chem 345 Introductory Biochemistry	4
Chem 353 Physical Chemistry	3
Sci/Geog 281 Physical Geography and Geology	4
Bio 110 Principles of Biology	4
Phys 110 Principles of Physics	4

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

**Total Hours: 38**

### English as a Second Language

Course Number/Title	Credit Hours
Eng 231 Studies in the English Language	3
Eng 431 English Language and Linguistics	3
Educ 425A ESL/Instruction, Curr. & Assessment	3
Educ 425B ESL/Instruction, Curr. & Assessment	3
CTA 333 Intercultural Communication	3
Educ 398 ESL Practicum	3
or Education 399 ESL Student Teaching	
Modern Foreign Language	6

**Total Hours: 24**

### Geography

Course Number/Title	Credit Hours
Geog 101 Introduction to Human Geography	3
Geog 202 World Regional Geography	3
Geog 281 Physical Geography and Geology	4
Upper-level Geography courses	21
History Course	3
Social Science Course (other than Geography)	3

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.

**Total Hours: 37**

### Health Education

Course Number/Title	Credit Hours
HHP 181 Elements of Health	3
HHP 182 First Aid and CPR	2
Five health topics courses from:	5-7
HHP 281 Drug Education (1)	
HHP 283 Consumer Health (1)	
HHP 284 Stress Management (1)	
HHP 285 Nutrition (1)	
HHP 286 or 287 Men's or Women's Health (1)	
HHP 288 Health and Aging (1)	
HHP 289 Violence and Injury Prevention (1)	
HHP 489 Global Health (2-3)	
HHP 366 Health Methods and Curriculum Design	3
HHP 389 Senior Seminar in Health	1
HHP/Bio 465 Human Diseases	3
HHP 480 Health and Human Sexuality	3
HHP 481 School Health Program	3
HHP 482 Applied Epidemiology	3
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	2
Bio 243 Elements of Human Anatomy & Physiology	4

**Total Hours: 35-37**

### History

Course Number/Title	Credit Hours
Hist 115 United States History	3
Hist 131 World Civilization I	3
Hist 132 World Civilization II	3
Upper-level History electives*	24
Two Social Science courses**	6

\*from both U.S. and non-U.S. history; to include at least nine hours of U.S. history.

\*\*normally taken as part of general education.

Educ 372 is the methods course for this endorsement.

**Total Hours: 39**

### Information Technology/Computer Science

Course Number/Title	Credit Hours
CS 131 Computer Programming I	3
CS 141 Computer Programming II	3
CS 231 Introduction to Computer Systems	3
CS 251 Introduction to File Processing	3
CS 261 Operating Systems & Computer Archit. I	3
CS 334 Organization of Programming Languages	3
CS 344 Data Structures and Algorithm Analysis	3
CS 351 Database Design and Management	3
CS 361 Operating Systems/Computer Arch. II	3
Choose one course from:	3
CS 241 Introduction to Computer Organization (3)	

- CS 321 Numerical Analysis (3)
- CS 324 Computer Graphics (3)
- CS 348 Discrete Structures (3)
- CS 390 Seminar in Computer Science (3)

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.

**Total Hours: 30**

**Mandarin**

Course Number/Title	Credit Hours
Chns 101 Beginning Mandarin I	3
Chns 102 Beginning Mandarin II	3
Chns 201 Intermediate Mandarin I	3
Chns 202 Intermediate Mandarin II	3
Chns 301 Advanced Mandarin I	3
Chns 302 Advanced Mandarin II	3
Chns 321 Chinese Culture (taught in Mandarin)	3
Chns 341 Introduction to Reading in Mandarin	3
Educ 420 Second Language Acquisition	3
Educ 367 Methods of Modern Languages	2
Semester Abroad	12

**Total Hours: 30 required for endorsement**

**Mathematics**

Course Number/Title	Credit Hours
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 332 Abstract Algebra I	3
or Math 333 Linear Algebra (3)	
Math 335 Number Theory	3
Math 348 Discrete Mathematics	3
Math 365 Foundations of Geometry	3
Math 382 Real Analysis I	3
or Math 384 Differential Equations (3)	
Math 475 Mathematical Modeling	3

Educ 374 is also required for this endorsement.

**Total Hours: 36**

**Music (7-12 Instrumental Endorsement)**

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 202 Aural Skills III	2

Mu 203 Music Theory III	3
Mu 204 Aural Skills IV	2
Mu 205 Music Theory IV	3
Mu 211 Music History to 1750	3
Mu 212 Music History since 1750	3
Mu 213 World Music	3
Mu 303 Arranging	2
Mu 331 Basic Conducting	2
Mu 332 Instrumental Conducting	2
Mu 493 Senior Project	1
ChMu 313 Christian Hymnody	2
or ChMu 411 Christian Liturgy (3)	
Educ 375 Methods in Secondary Music	2
ScMu 262 Techniques in Woodwinds	2
ScMu 263 Techniques in Brass	2
ScMu 264 Techniques in Percussion	2
ScMu 265 Techniques in Strings	2
ScMu 317 Instrumental Literature & Development	2
ScMu 361 Marching Band Techniques	1
Principle Instrument	10
Keyboard Proficiency	
pass keyboard proficiency exam	
Voice Proficiency: satisfy level of MuAp 151	
Instrumental Ensembles	7
Symphonic or Concert Band (may audit; required in each of 7 semesters). The number of hours is reduced by up to 7 if ensembles are audited.	

Recital Attendance: see the *Music Student Handbook*

Note: 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 as a music major during their first year at Concordia. See the *Music Student Handbook* for admission and retention procedures.

**Total Hours: 68-69**

**Music (7-12 Vocal Endorsement)**

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 202 Aural Skills III	2
Mu 203 Music Theory III	3
Mu 204 Aural Skills IV	2
Mu 205 Music Theory IV	3
Mu 211 Music History to 1750	3
Mu 212 Music History since 1750	3
Mu 213 World Music	3
Mu 303 Arranging	2
Mu 331 Basic Conducting	2
Mu 333 Choral Conducting	2

Mu 334 Choral Literature and Development	2
Mu 354 Diction	2
Mu 493 Senior Project	1
ChMu 313 Christian Hymnody	2
or ChMu 411 Christian Liturgy (3)	
Educ 375 Methods in Secondary Music	2
Principle Instrument	10
Keyboard Proficiency	
pass keyboard proficiency exam	
Voice Proficiency: satisfy level of MuAp 251	
Choral Ensembles	7
May audit; required in each of 7 semesters. The number of hours is reduced by up to 7 if ensembles are audited.	
Recital Attendance: see the <i>Music Student Handbook</i>	
Note: 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 as a music major during their first year at Concordia. See the <i>Music Student Handbook</i> for admission and retention procedures.	

**Total Hours: 61-62****Physical Education**

Course Number/Title	Credit Hours
One Dance class (HHP 153, 155)	0.5
One Aquatics class (HHP 171-177)	0.5
One Individual/Dual activity class (HHP 135, 152, 154, 156, 157, 158)	0.5
One Team activity class (HHP 111, 112, 116, 117, 118, 132)	0.5
One Fitness activity class (HHP 161, 162, 164, 166, 168)	0.5
One Leisure activity class (HHP 142, 144, 146, 147, 148, 149)	0.5
HHP 182 First Aid and CPR	2
HHP 228 Programs in Sports	3
HHP 238 Programs in Rhythms and Dance	1
HHP 248 Programs in Leisure/Adventure Activities	1
HHP 273 Motor Learning and Development	3
HHP 291 Foundations of Human Performance	2
HHP 376 Secondary PE Methods & Curric. Design	3
HHP/Bio 385 Physiology of Exercise	3
HHP 395 Biomechanics	3
HHP 399 Senior Seminar in Human Performance	1
HHP 471 Adapted Physical Activity	3
HHP 491 Management of P.E., Recreation & Sports	3
HHP 494 Measurement & Evaluation Human Perf.	3
Bio 243 Elements of Human Anatomy & Physiology	4

**Total Hours: 38****Physics**

Course Number/Title	Credit Hours
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 321 Introductory Mechanics	3
Phys 371 Electronics	3
Phys 381 Modern Physics	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear & Particle Physics	3
Phys 390 Electricity and Magnetism	3
Chem 115 General Chemistry	4
Bio 110 Principles of Biology	4
Sci/Geog 281 Physical Geography and Geology	4

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

**Total Hours: 36****Psychology**

Course Number/Title	Credit Hours
Psy 101 Introduction to Psychology	2
EDPS 210 Educational Psychology	2
Psy 221 Lifespan Development	3
Psy 306 Introduction to Psych and Social Research	3
Psy 324 Psychology of Exceptionality	3
Psy 341 Group Techniques	3
Psy 345 Social Psychology	3
Psy 421 Adolescent Psychology	3
Psy 442 Introduction to Counseling	3
Psy 445 Abnormal Psychology	3
Psy 451 Personality Theory	3
Social Science	3
Social Science	3
Educ 372 Methods of Social Science	2

**Total Hours: 39****Secondary English**

Course Number/Title	Credit Hours
Eng 221 Intermediate Writing	3
Eng 231 Studies in the English Language	3
One course from:	3
Eng 326 Poetry Writing (3)	
Eng 327 Fiction Writing (3)	
Eng 328 Creative Nonfiction Writing (3)	
One course from:	3
Eng 341 American Literature I (3)	
Eng 342 American Literature II (3)	
Eng 343 American Literature III (3)	
One course from:	3
Eng 362 British Literature I (3)	
Eng 363 British Literature II (3)	

Eng 364 British Literature III (3)	
Eng 366 Shakespeare	3
One course from:	3
Eng 381 World Literature I (3)	
Eng 382 World Literature II (3)	
Eng 384 World Literature III (3)	
One course from:	3
Eng 383 Modern Poetry (3)	
Eng 385 Psych./Social Analysis of Modern Lit. (3)	
Eng 387 Modern and Postmodern Drama (3)	
Eng 392 Reading Interests of Adolescents	3
Eng 431 English Language and Linguistics	3
English Electives	6
Educ 371 is the methods course for this endorsement.	
Note: 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.	
<b>Total Hours: 38</b>	

**Spanish**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Span 201 Intermediate Spanish I	3
Span 202 Intermediate Spanish II	3
Span 203 Intensive Spanish Conversation	3
Span 204 Intensive Spanish Composition	3
Span 305 Advanced Grammar & Composition	3
Span 321 Spanish Civilization and Culture	3
Span 331 Latin American Culture	3
Span 341 Introduction to Hispanic Literature*	3
Span 342 Intro. to Analysis Hispanic Literature*	3
Educ 367 Methods in Secondary Modern Language	3
<b>Total Hours: 30</b>	

**Special Education**

<u>Course Number/Title</u>	<u>Credit Hours</u>
ASL 101 Beginning American Sign Language	3
HHP 471 Adapted Physical Activity+	3
Psy 324 Psychology of Exceptionality*	3
Educ 424 Differentiated Instruction	3
Psy 445 Abnormal Psychology	3
Educ 315 Behavior Disorders and Intervention+	3
Educ 316 Teach. Students Moderate Disabilities+	3
Educ 318 Special Education Practicum	3
Educ 430 School, Community, & Parent Involvmnt	2
Educ 461 Instruction, Assessment & Intervention+	6
Educ 425A ESL/Instruction, Curr. & Assessment+	3
Psy 212 Child Development & Psychology/EC	1

Professional Semester:*	
Educ 314 Assessment, Evaluation, and IEP+	3
Educ 317 Teach. Students Learn. Disabilities+	3

**Total Hours: 42**

\*Included as part of the Professional Core in Teacher Education.

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

**Speech**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 200 Forensics	3
CTA 211 Public Speaking	3
CTA 231 Oral Interpretation	3
CTA 241 Media: Impacts and Influences	3
CTA 302 Rhetorical Theory	3
CTA 203 Communication Theory	3
or CTA 306 Interpersonal Communication (3)	
CTA 311 Persuasion. Argumentation and Debate	3
CTA 333 Intercultural Communication	3
Select six hours from:	6
CTA 242 Introduction to Broadcast Journalism (3)	
CTA 301 Public Relations (3)	
CTA 309 Small Group Theory (3)	
CTA 400 Communication Research (3)	
ECTA 350 Special Topics (2-3)	

Educ 378 is the methods course for this endorsement.

**Total Hours: 30**

**Theatre/Drama**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 152 Basic Acting Technique	3
CTA 153 Theatre History	3
CTA 154 Creative Drama	3
CTA 231 Oral Interpretation	3
CTA 232 Costume and Makeup Design	2
CTA 233 Stage Scenery, Lighting, and Sound	4
CTA 373 Play Production	3
Eng 366 Shakespeare	3
Select six hours from:	6
CTA 200 Forensics (3)	
CTA 241 Media: Impacts and Influences (3)	
CTA 242 Introduction to Broadcast Journalism (3)	
CTA 299 Theatre Practicum (1-3)	
CTA 399 Independent Study (1-3)	
ECTA 350 Special Topics (2-3)	
Eng 387 Modern and Postmodern Drama (3)	

Educ 378 is the methods course for this endorsement.

**Total Hours: 30**

**Theology**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Rel 121 History and Literature of Old Testament	3
Rel 131 History and Literature of New Testament	3
Theo 331 Studies in the Life of Christ	3
Theo 381 Christian Teacher's Ministry	2
Theo 382 Theology of Corporate Worship	3
Theo 450 Understanding and Teaching the Bible	3
Theo 363 The Lutheran Confessions	3
or Theo 375 Christian Denom. & Relig. Move. (3)	
One Biblical Interpretation course from:	3
Theo 241 Old Testament Prophetic Books (3)	
Theo 242 Selected Psalms (3)	
Theo 251 Selected Pauline Epistles (3)	
Theo 252 Gospels (3)	
Two courses from:	6
Hist 313 Religion & Society in the U.S. (3)	
Hist 334 Early and Medieval Christianity (3)	
Hist 335 Renaissance and Reformation (3)	
Theo 371 History of Christian Thought (3)	
Theo 390 World Religions (3)	
Theo 418 From Exile to Christ (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 489 Ministry in a Changing World (3)	

Students have the option of completing Theo 499. Educ 379 is the methods course for this endorsement.

**Total Hours: 29-30**

**World and Intercultural Studies**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 333 Intercultural Communication	3
Geog 202 World Regional Geography	3
Eng 384 World Literature III*	3
or Hist 132 World Civilization II	
HHP 489 Global Health (with service learning trip)	3
PS 211 Global Issues	3
Soc 201 Cultural Anthropology	3
Theo 390 World Religions	3
Modern Language course choice	3

\*May be replaced with Eng 382 World Literature II if needed.

**Total Hours: 24**

**SUPPLEMENTAL SECONDARY ENDORSEMENTS**

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

**American Sign Language**

<u>Course Number/Title</u>	<u>Credit Hours</u>
ASL 101 Beginning American Sign Language I	3
ASL 102 Beginning American Sign Language II	3
ASL 201 Intermediate American Sign Lang. I	3
ASL 202 Intermediate American Sign Lang. II	3
ASL 490 Practicum in American Sign Language	3
Special Topics in ASL (as needed)*	3
ASL 150 Special Topics in ASL (3)	
ASL 250 Special Topics in ASL (3)	
ASL 350 Special Topics in ASL (3)	
ASL 450 Special Topics in ASL (3)	

\*Students who have prior coursework in ASL may start with ASL 102 or higher and need additional Special Topics courses to reach 18 hours.

**Total Hours: 18**

**Coaching**

<u>Course Number/Title</u>	<u>Credit Hours</u>
HHP 182 First Aid and CPR	2
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 298 Theory of Coaching	2
HHP 362 Internship in Coaching	2-3
HHP/Bio 385 Physiology of Exercise	3
HHP 463 Psychology of Coaching	3
HHP 491 Management. of P.E., Recreation & Sport	3
Bio 243 Elements of Human Anatomy & Physiology	4
One course from:	2
HHP 321 Coaching of Football (2)	
HHP 322 Coaching of Basketball (2)	
HHP 323 Coaching of Softball/Baseball (2)	
HHP 325 Coaching of Track (2)	
HHP 326 Coaching of Soccer (2)	
HHP 327 Coaching of Volleyball (2)	

**Total Hours: 23**

**English as a Second Language-Supplemental Endorsement**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Eng 231 Studies in the English Language	3
Educ 425A ESL/Instruction, Curr. & Assessment	3
Educ 425B ESL/Instruction, Curr. & Assessment	3
CTA 333 Intercultural Communication	3
Educ 399 ESL Student Teaching	3
Modern Foreign Language	3

Students must also present competence in a foreign language equivalent to two years of post-secondary study; the number of hours of language study required is dependent on the student's particular language study background.

**Total Hours: 18**

**Information Technology/Computer Science**

Course Number/Title	Credit Hours
CS 131 Computer Programming I	3
CS 141 Computer Programming II	3
CS 231 Introduction to Computer Systems	3
CS 251 Introduction to File Processing	3
CS 261 Operating Systems & Computer Archit. I	3
CS 334 Organization of Programming Languages	3

Educ 368 is the methods course for this endorsement. The computer science department highly recommends taking CS 241 and 344.

**Total Hours: 18**

**Journalism and Media Education**

Course Number/Title	Credit Hours
CTA 203 Communication Theory	3
CTA 225 Writing and Reporting	3
CTA 241 Media: Impacts and Influences	3
CTA 242 Introduction to Broadcast Journalism	3
CTA 400 Communication Research	3
ART 235 Basic Digital Photography	3

**Total Hours: 18**

**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 Head of Teacher Education early in the planning process.

**Elementary Education Students Desiring Secondary Certification**

Course Number/Title	Credit Hours
Subject endorsement	6-9
Secondary Student Teaching*	10
Secondary Methods	2-4

Educ 301 Principles in Secondary Education	2
Educ 470 Content Area Literacy	3
Psy 421 Adolescent Psychology and Development	2

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

\*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.

**Total Hours: 25-30**

**Secondary Education Students Desiring Elementary Certification**

Course Number/Title	Credit Hours
Teacher Lab	6
Elementary Student Teaching*	10
Psy 211 Child Development and Psychology	2
Art 301 Methods of Art Education	2
Math 301 Concepts of Mathematics II	3
Educ 461 Instruction, Assessment, Intervention	6
Educ 425A ESL/Instruction, Curr. & Assessment	3
HHP 363 Health Methods in Elementary School	1
HHP 364 P. E. Methods in Elementary School	1

\*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.

**Total Hours: 34**

**BACHELOR OF SCIENCE IN EDUCATIONAL STUDIES**

This program is only available to students with permission from the Head of Teacher Education. It requires that a student successfully complete the majority of a teacher education program. Students who complete the program and receive the degree will not be eligible for recommendation for teacher certification. It will not result in a student being eligible to teach in a classroom position after graduation.

**MINOR**

**Religious Education (Minor)**

Available for all students

Course Number/Title	Credit Hours
Educ 201 Introduction to Education	3
Educ 362 Teaching the Christian Faith	2
Educ 424 Differentiated Instruction	2
EDPS 210 Educational Psych. & General Methods	2
Psy 451 Personality Theory	3
Theo 450 Understanding and Teaching the Bible	3

**Total Hours: 15**

## DEPARTMENT OF INTERCULTURAL STUDIES AND MODERN LANGUAGES

The **Spanish major** builds a student's verbal and written Spanish communication through language and grammar practice. Students will receive an overview of Spanish-speaking cultures through study of literature and history. This major is designed for the student who wishes to pursue ministry or a career in a Spanish-speaking country or with Spanish speakers in the United States.

*See the Bachelor of Science in Education program for information on the Spanish elementary subject concentration, middle level content teaching area, and secondary subject concentration.*

The **TESOL (Teaching English to Speaker of Other Languages) major** is specifically designed for non-education majors (who are not interested in obtaining state K-12 teaching certification) preparing the student to teach ESL in international contexts or in adult ESL programs in universities, refugee centers, or community centers in the United States. The student majoring in TESOL is equipped to teach through foundational courses in education and intercultural studies, as well as a range of courses specifically geared to train the TESOL major to teach English as a Second Language. In addition, the TESOL major participates in a second language learning experience of his/her own, a process which enhances the TESOL major's practical knowledge and experience with second language acquisition. A practicum in teaching ESL rounds out the TESOL major's experience by providing hands-on opportunities to work with ESL students.

In addition to the TESOL major, the program offers a minor (for non-education majors), a subject concentration and a supplemental endorsement (for elementary education majors), and a subject endorsement (for secondary education majors).

*See the Bachelor of Science in Education program for information on the ELL/ESL elementary subject concentration, supplemental endorsement and secondary subject endorsement.*

The **World and Intercultural Studies major** is a wide-ranging, cross-disciplinary degree which will give students a broad perspective on the world. After being equipped with the foundational core courses, students can choose courses from at least two academic tracks, focusing on ideas and issues that are most important or relevant to the student's interests. The

major is designed for students with interests in international service, communication, world and domestic missions, language and cultural studies. This major reinforces Concordia's mission to serve diverse populations in the church and world.

In addition to the major in World & Intercultural Studies, the program offers a minor (for non-education majors), a subject concentration (for elementary education majors), and a subject endorsement (for secondary education majors).

*See the Bachelor of Science in Education program for more information on the World and Intercultural Studies elementary subject concentration and secondary subject endorsement.*

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

### Majors

Spanish

TESOL (Teaching English to Speakers of Other Languages)

World and Intercultural Studies

### Minors

ASL (American Sign Language)

ELL/ESL (English as a Second Language)

Mandarin

Spanish

World and Intercultural Studies

Minors are available to all students. Minors are not available in an area similar to student's major. For minors within the College of Arts and Sciences, see pp. 56-57. For minors available within the Department of Education, see p.52.

### Supplemental Endorsement

*See the Bachelor of Science in Education for more information on the Mandarin subject concentration and subject endorsement and American Sign Language Supplemental Endorsement.*



## BACHELOR OF ARTS

### Spanish

Course Number/Title	Credit Hours
Span 201 Intermediate Spanish I	3
Span 202 Intermediate Spanish II	3
Span 203 Intensive Spanish Conversation	3
Span 204 Intensive Spanish Composition	3
Span 321 Spanish Civilization and Culture or Span 331 Latin American Culture	3
Span 341 Introduction to Hispanic Literature*	3
Span 342 Intro. to Analysis Hispanic Literature*	3
Upper Level courses which may include:	15
Span 305 Advanced Grammar & Composition (3)	
Span 321 Spanish Civilization & Culture (3) or Span 331 Latin American Culture (3)	
Upper-level electives (study abroad, etc.) (9)	

\*Students who complete an approved study abroad program for an entire semester will have the required hours reduced by 6 hours to 30 hours. A student who completes an approved summer program of at least 6 hours credit will have the required hours reduced by 3 to 33 hours. Students with 3-4 years of Spanish in high school may be able to enroll directly in Span 201.

**Total Hours: 36**

### TESOL

#### Teaching English to Speakers of Other Languages

Course Number/Title	Credit Hours
Educ 201 Introduction to Education	3
EDPS 210 Educational Psych. & General Methods	3
Educ 346 Instructional Technology	3
Educ 420 Second Language Acquisition	3
Educ 425A ESL/Instruction, Curr. & Assessment	3
Educ 425B ESL/Instruction, Curr. & Assessment	3
Eng 231 Studies in the English Language	3
Eng 431 English Language and Linguistics	3
CTA 333 Intercultural Communication	3
Soc 201 Cultural Anthropology	3
Modern languages*	6
Educ 398 ESL Practicum	3
EDUC 490 Capstone Experience**	3

\*Modern language hours can be fulfilled by taking Spanish, Mandarin, or ASL courses on campus, or through an approved study abroad modern language program or approved modern language course from another university.

\*\*Self-directed study which involves an approved program of research and experience with special issues related to ESL students. This capstone project

requires the submission of an activity log, journal, and reflection paper, as well as an oral presentation to highlight what has been learned.

**Total Hours: 42**

### World and Intercultural Studies

#### World and Intercultural Studies Core (27 hours)

Course Number/Title	Credit Hours
CTA 333 Intercultural Communication	3
Geog 202 World Regional Geography	3
Eng 384 World Literature III* or Hist 132 World Civilization II	3
HHP 489 Global Health (with SL trip)**	3
PS 211 Global Issues	3
Soc 201 Cultural Anthropology	3
Theo 390 World Religions	3
Modern Language course choices	6

\*May be replaced with Eng 382 World Literature II

\*\* May be replaced with GMC Missions course

#### World and Intercultural Studies Tracks (18 hours)

Select 12 hours from one of the following tracks and 6 hours from other tracks:

##### *Intercultural Ministries Track*

Course Number/Title	Credit Hours
Soc 335 Sociology of Religion (IS)	3
Theo 375 Christian Denom. & Religious Move.	3
Theo 385 Parish Visitation and Evangelism	3
Theo 399 Evangelism Visitation (IS)	1
Theo 450 Understanding & Teaching the Bible	3
Theo 489 Ministry in a Changing World	3
GMC 270 Mission of God	3
GMC 280 Missional Leadership	3
GMC 290 Cross-Cultural Perspectives (w/trip)	3

##### *Language Studies Track*

Course Number/Title	Credit Hours
Eng 231 Studies in the English Language	3
Eng 431 English Language and Linguistics	3
Educ 425A ESL/Instruction, Curr. & Assessment	3
Educ 425B ESL/Instruction, Curr. & Assessment	3
Modern Language course choices	3

##### *Regional Studies Track*

Course Number/Title	Credit Hours
Geog 311 Geography of North America	3
Geog 331 Geography of Europe (IS)	3
Geog 341 Geography of Asia	3
Geog 345 Geography & Archaeology of Holy Land	3
Geog 391 Urban Geography	3
Hist 304 Modern Middle East History	3
Hist 421 Latin America	3
Hist 451 Russia, the Soviet Union, and After	3

*Societal and Global Topics Track*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bus 111 Entrepreneurship	3
Econ 102 Principles of Microeconomics	3
Geog 315 Environmental Science	3
HHP 484 Community Health	3
Hist 417/Soc 417 African American History (IS)	3
Mu 213 World Music	3
Soc 221 Social Problems	3
Soc 312 Urban Sociology (IS)	3
Soc 331 The Family	3

Up to two track courses can be substituted with program director permission.

**Capstone Experience (3 hours)**

GMC 490 Capstone Experience	3
Self-directed study with at least 60 hours spent in an approved international or intercultural practicum experience.	

**Total Hours: 48**

**MINORS****American Sign Language**

<u>Course Number/Title</u>	<u>Credit Hours</u>
ASL 101 Beginning American Sign Language I	3
ASL 102 Beginning American Sign Language II	3
ASL 201 Intermediate American Sign Lang. I	3
ASL 202 Intermediate American Sign Lang. II	3
ASL 490 Practicum in American Sign Language	3
Special Topics in ASL (as needed)*	3
ASL 150 Special Topics in ASL (3)	
ASL 250 Special Topics in ASL (3)	
ASL 350 Special Topics in ASL (3)	
ASL 450 Special Topics in ASL (3)	

\*Students who have prior coursework in ASL may start with ASL 102 or higher and need additional Special Topics courses to reach 18 hours.

**Total Hours: 18**

**English as a Second Language**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Eng 231 Studies in the English Language	3
Eng 431 English Language and Linguistics	3
Educ 425A ESL/Instruction, Curr. & Assessment	3
Educ 425B ESL/Instruction, Curr. & Assessment	3
CTA 333 Intercultural Communication	3
Educ 398 ESL Practicum	3
Modern Foreign Language choice	6

**Total Hours: 24**

**Mandarin**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Chns 101 Beginning Mandarin I	3
Chns 102 Beginning Mandarin II	3
Chns 201 Intermediate Mandarin I	3
Chns 202 Intermediate Mandarin II	3
Two courses from:	6
Chns 301 Advanced Mandarin I (3)	
Chns 302 Advanced Mandarin II (3)	
Chns 321 Chinese Culture (taught in Mandarin) (3)	
Chns 341 Introduction to Reading in Mandarin (3)	

**Total Hours: 18**

**Spanish**

<u>Course Number/Title</u>	<u>Credit Hours</u>
18 hours of an approved, specific sequence of courses. Courses will vary, depending upon the student's preparation. Students with little or no Spanish background will begin with Span 101. Those with two or more years of high school Spanish will begin with Span 102 or Span 201.	

**Total Hours: 18**

**World and Intercultural Studies**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 333 Intercultural Communication	3
Geog 202 World Regional Geography	3
Eng 384 World Literature III* or Hist 132 World Civilization II	3
HHP 489 Global Health (with SL trip)**	3
PS 211 Global Issues	3
Soc 201 Cultural Anthropology	3
Theo 390 World Religions	3
Modern Language course choice	3

\*May be replaced with Eng 382 World Literature II if needed.

\*\* May be replaced with GMC Missions course.

**Total Hours: 24**

## DIRECTOR OF CHRISTIAN EDUCATION (DCE) PROGRAM AND CHRISTIAN EDUCATIONAL LEADERSHIP (CEL)

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 individual as instructional leader, educator, consultant, administrator, care action minister, and researcher. DCE certification is an option for individuals who are members of an LCMS congregation and seeking designation as a DCE within the LCMS.

### ADMISSION INTO DCE PROGRAM

Students with sophomore or junior standing 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 CEL major grade point average of 2.75.

### APPROVAL FOR DCE INTERNSHIP

Students who have been provisionally admitted and have junior or senior standing are 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 CEL major and theology course work
3. Successful completion of at least a semester of CEL 480, Practicum in DCE Ministries
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 AS A DCE

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 CEL major/theology courses;
3. successfully completed CEL 481 DCE Internship;
4. obtained their advisor's recommendation on the placement form.

### CEL CURRICULAR OPTIONS

The following curriculum options have been developed by the faculty of Concordia. Students choosing the internship option (required for DCE students) require at least five years of course work, one of which is the year-long, off-campus internship. Flexibility for the student is a key component of the program.

Students must choose one of the following options:

CEL+BS in Education (Elementary, Middle Level, Early Childhood, or Secondary)

CEL+BS in Education (Elementary, Middle Level, Early Childhood, or Secondary) + CTD

CEL+BS in Education (Elementary, Middle Level, Early Childhood, or Secondary) + LTD + DCE

CEL+BA (with additional major in Theology, Psychology or Behavioral Science and optional emphasis)

CEL+BA+DCE (with additional major in Theology, Psychology or Behavioral Science and optional emphasis)

#### 1. General Education

All majors are to be supplemented with the general education curriculum, supplemental requirements and, if necessary, additional electives to total 120 or more hours.

#### 2. CEL Major

24-hour Internship is Optional

Course Number/Title	Credit Hours
CEL 235 Field Experiences I	1
CEL 329 DCE Ministries II: The Emerging DCE	2
CEL 335 Field Experiences II	1

Educ 362 Teaching the Christian Faith	2
CEL 388 Youth Ministry Theory and Methods	3
CEL 480 Practicum in DCE Ministries	3
CEL 481 DCE Internship (Optional)	24
CEL 483 Enabling Others to Lead and Teach	3
CEL 485 Parish Education Program Administration	3
EDPS 210 Educational Psych & General Methods	2
Psy 341 Group Techniques	3
Psy 442 Introduction to Counseling	3
Rel 121 History and Literature of Old Testament*	3
Rel 131 History and Literature of New Testament*	3
Theo 210 Faith and Life*	2
Theo 241/242/251/252 Biblical Interpretation	3
Theo 450 Understanding and Teaching the Bible	3
CEL 486 Family Life Ministry	3
CEL 487 Planning Adult Education in the Parish	3

\*Also required in General Education

**Total Hours: 47-71**

### 3. Foundational Major

Education, Theology, Behavioral Science, or Psychology. See respective major in catalog for requirements.

### 4. DCE Certification Requirements

For LCMS students seeking a DCE certificate

Course Number/Title	Credit Hours
CEL 229 Introduction to DCE Ministries	2
CEL 481 DCE Internship	24
CEL 484 Confirmation Planning & Implementation	2
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3

**Total Hours: 34**

Note: All undergraduate students seeking DCE certification must complete a minimum of six hours of 300 or 400 level theology courses on Concordia's campus.

### 5. DCE Emphases (Optional)

CEL/BA or CEL/DCE/BA students may choose one or more of the following:

*Adult Emphasis (12 hours)*

Course Number/Title	Credit Hours
Psy 451 Personality Theory	3
Soc 221 Social Problems	3
Soc 333/Gero 402 Social Gerontology	3
Theo 483 Sexuality and the Family	3

*Biblical Languages (16 hours)*

Option for those planning on a seminary education

Course Number/Title	Credit Hours
Greek	8
Hebrew	8

*Child Emphasis (15 hours)*

Course Number/Title	Credit Hours
Educ 300 Outdoor Christian Education	2
Educ 332 Early Child. Educ. Curr. & Methodology	3
Educ 430 School, Community & Parent Involvement	2
Psy 211 Child Development and Psychology	2
Psy 212 Child Develop. & Psych.: Young Children	1
Psy 422 Psych & Develop. of Young Adolescent	2
Theo 482 Nurturing Faith Family, Schl., Cong.	3

*Family Life Emphasis (12-13 hours)*

Course Number/Title	Credit Hours
Psy 211 Child Development and Psychology	2
Psy 212 Child Devel. & Psych.: Young Children	1-2
or Psy 422 Psych. & Develop. of Young Adoles.	
Psy 421 Adolescent Psychology and Development	3
Theo 482 Nurturing Faith Family, School & Congr.	3
Theo 483 Sexuality and the Family	3

*Outreach Emphasis (12 hours)*

Course Number/Title	Credit Hours
Educ 358 Religious Ed. & Innovative Technology	2
Theo 375 Christian Denom. & Religious Move.	3
or Theo 390 World Religions	
Theo 385 Parish Visitation and Evangelism	3
Theo 399 Independent Study Evangelism Visitation	1
Theo 460 Factors in Congregational Growth	3

*Parish Music Emphasis (20 hours)*

Course Number/Title	Credit Hours
ChMu 313 Christian Hymnody	2
or ChMu 411 Christian Liturgy (3)	
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 331 Basic Conducting	2
Theo 382 Theology of Corporate Worship	3
Ensemble or Applied Music	3

*Youth Emphasis (13 hours)*

Course Number/Title	Credit Hours
Educ 300 Outdoor Christian Education	2
Educ 358 Religious Ed. & Innovative Technology	2
Educ 379 Methods in Secondary Religion	2
Psy 211 Child Development and Psychology	2
Psy 422 Psychology & Develop. of Young Adoles.	2
Psy 421 Adolescent Psychology and Development	3

*Worship Arts Emphasis (12 hours)*

Course Number/Title	Credit Hours
ChMu 174 Songwriting Contemporary Worship	2
ChMu 282 Media in Contemporary Music	2
ChMu 313 Christian Hymnody	2
Educ 358 Religious Ed. & Innovative Technology	2
Theo 382 Theology of Corporate Worship	3
Mu 252 University Praise Band	1

*Self-Designed Emphasis (15 hours)*

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

1. The emphasis must be at least 15 hours of upper-level coursework (300 or 400-level).
2. The emphasis must be directly applicable to the DCE program's roles and sub-roles.
3. 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.
4. 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.
5. A minimum of 50% of emphasis hours must be taken at CUNE.
6. No more than three semester hours can be applied to the emphasis prior to the formal approval of the emphasis.
7. A copy of the approved plan of study must be filed with the Registrar's Office.

## DCE SPECIALIST DIPLOMA PROGRAM

### ADMISSION

The student must have a 2.75 grade point average and must maintain this average for successful completion of the program.

### PURPOSE

The DCE Specialist program is designed for those students who have completed their undergraduate coursework and are only seeking DCE certification. Courses taken for graduate credit may also be applied toward a master's program.

## GENERAL REQUIREMENTS

### A. Admission to the Program

1. Students must have a bachelor's degree. (Persons without an education degree may need additional education courses.)

2. Students must submit the following admissions materials:

- a. Undergraduate transcript of grades
- b. DCE Specialist application form
- c. Three recommendations (one from home pastor or DCE)
- d. 1,000-word autobiographical statement
- e. Qualifying interview approval letter

3. After the admission materials are submitted, students will complete an admission interview on the Concordia campus. Following the interview, students will be given several learning goals and the proposed plan of study will be developed.

### B. Course Requirements

\*1. Must have completed a minimum of 27 hours of theology or their equivalent in the following areas: Biblical—12 hours (Rel 121, 131, an interpretation course, Theo 450); Doctrine—9 hours (Theo 361, 362, 489); Practical—6 hours (Theo 385, 482; CEL 487).

\*2. Must complete other course requirements as outlined in the proposed plan of study. It is likely that the remaining courses will not exceed 21 hours beyond those required in No. 1.

3. Internship in a parish for one year (unless extensive prior experience suggests a shorter internship) for 30 credit hours or equivalent parish experience.

*\*For course descriptions see undergraduate and graduate catalogs.*

*NOTE: Undergraduate courses will not count toward a graduate degree.*

# COLLEGE OF ARTS AND SCIENCES

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 120 semester hours. **Concordia requires 30 extra credit hours (150 total hours) for a second degree.**

The liberal arts student selects a degree objective: Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music or Bachelor of Science. Only one degree of each type may be earned. Within the chosen degree, the student selects one (or more) majors from the corresponding lists below.

## Degrees

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

## Majors

Accountancy

Art (Studio)

Arts Administration

Art Education

Art Therapy

Behavioral Science

Biology

Business Administration

Business Communication

Chemistry

Church Music

Community Health

Communication Studies

Computer Science

English

Environmental Science

Environmental Studies

Exercise Science

Fitness Studies

Geography

Graphic Design

History

Journalism and Public Relations

Management Information Systems

Marketing

Mathematics

Music

Music Education

Natural Science (Comprehensive)

Physical Science

Physical Science (Comprehensive)

Physical Science Studies

Physics

Psychology

Recreation and Sport Studies

Theatre

Theology

## Minors

Accounting

Actuarial Science

Art

Art History

Accounting

Biblical Languages

Biology

Business

Chemistry

Coaching

Communication

Community Health

Composition and Rhetoric

Computer Science

Contemporary Church Music

Criminal Justice

Ecclesiastical Arts

English

Environmental Studies

Geography  
Gerontology  
Graphic Design  
History  
Interpersonal Communication  
Journalism and Public Relations  
Literature  
Mathematics  
Marketing  
Music  
Parish Health  
Performing Arts  
Philosophy  
Psychology  
Physical Science  
Physics  
Recreation  
Recreation and Sports Management  
Self-Directed\*  
Senior Adult Fitness  
Sociology  
Sport Ministry  
Sport Psychology  
Theology  
Urban Ministry  
Worship Arts  
Writing  
Youth Ministry

Minors are available to all students. Minors are not available in an area similar to student's major. For minors within the College of Education, see p. 52 and p. 53.

\*Students may select 18 hours of courses. Must submit a written rationale for course selection to the chair of major department and/or department most represented by minor; must be approved by advisor, appropriate department chair, and dean. At least 9 of the hours must be 300 level or higher. A maximum of 6 hours may be used from general education or major area. A maximum of 9 hours may be transferred from another 4-year accredited university. The minor will not lead to a licensed endorsement or certification not currently offered at Concordia. A copy of the minor must be filed with the Registrar's Office and will appear on transcripts as an appropriately named minor.

## DEPARTMENT OF ART

The art program offers five areas of study leading to four areas of specialization: art education, art therapy, ecclesiastical art, graphic design and studio art. The art education program prepares students to teach art at the elementary and/or secondary levels and equips them to be leaders in the classroom, in the congregation and in the community. Concordia offers a B.S.E.D.\* and a B.F.A. in art education. The art therapy program prepares students seeking to apply to graduate school in art therapy and provides a quality foundation for students to use the creative process to help people of all ages improve their health and emotional well-being. Concordia offers a B.A. in art therapy. The ecclesiastical art program provides training in artistic craft with a theological foundation. Coursework involves study in art and theology. The department offers a B.A. in ecclesiastical art. The graphic design program prepares students for a career or further study in the field of graphic design involving skills in conceptualization, visualization, communication, layout, illustration, typography, and digital imaging. Concordia offers a B.A. and a B.F.A. in graphic design. The studio art program prepares students seeking to apply to graduate school in studio art and provides a quality foundation for students pursuing careers as fine artists or in related fields such as museum work or post-secondary teaching. Concordia offers a B.A. and a B.F.A. in studio art.

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

\*See *Bachelor of Science in Education for requirements.*

### Degrees

Bachelor of Arts

Bachelor of Fine Arts

### Majors

Art (Studio)

Arts Administration (see p. 66)

Art Education

Art Therapy

Graphic Design

### Minors

Art

Art History

Ecclesiastical Art

Graphic Design

## BACHELOR OF ARTS

### Art (Studio)

Course Number/Title	Credit Hours
Art 103 Drawing I	3
Art 145 Digital Imaging	3
Art 161 Visual Studies	1
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 213 Drawing II	3
Art 214 Drawing III	3
Art 215 Drawing IV	3
Art 223 Watercolor	3
Art 235 Basic Digital Photography	3
Art 243 Ceramics	3
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3
Art 315 Printmaking	3
Art 325 Painting	3
Art 345 Sculpture	3
Art 425 Collage and Mixed Media	3
Art 489 Portfolio	2
Studio Electives	6

**Total Hours: 60**

### Art Therapy

Course Number/Title	Credit Hours
Art 103 Drawing I	3
Art 145 Digital Imaging	3
Art 161 Visual Studies	1
Art 200 Art Therapy	3
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 213 Drawing II	3
Art 223 Watercolor	3
Art 235 Basic Digital Photography	3
Art 243 Ceramics	3
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3
Art 301 Methods of Art Education	2
Art 315 Printmaking	3



Art 325 Painting	3
Art 345 Sculpture	3
Art 489 Portfolio	2
Psy 101 Introduction to Psychology	3
Psy 221 Lifespan Development	3
Psy 442 Introduction to Counseling	3
Psy 445 Abnormal Psychology	3
Psy 451 Personality Theory	3
Psychology elective	3
Math 122 Introduction to Statistics	3

**Total Hours: 71**

**Graphic Design**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 103 Drawing I	3
Art 145 Digital Imaging	3
Art 161 Visual Studies	1
Art 190 Introduction to Graphic Design	3
Art 195 The History of Graphic Design	2
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 213 Drawing II	3
Art 214 Drawing III	3
Art 215 Drawing IV	3
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3
Art 280 Typography	3
Art 303 Layout and Design	3
Art 320 Digital Drawing	3
Art 351 Illustration I: Focus on Retail Illustration	3
Art 352 Illustration II: Focus on Editorial Illustration	3
Art 365 Introduction to Interactive Design	3
Art 403 Advanced Layout and Design	3
Art 407 Advanced Graphic Design	3
Art 489 Portfolio	2
Select one course from:	3
Art 223 Watercolor (3)	
Art 235 Basic Digital Photography (3)	
Art 243 Ceramics (3)	
Art 315 Printmaking (3)	
Art 325 Painting (3)	
Art 345 Sculpture (3)	
Art 425 Collage and Mixed Media (3)	

**Total Hours: 65**

**BACHELOR OF FINE ARTS**

Concordia University offers the Bachelor of Fine Arts (B.F.A.) degree in studio art, K–12 education, and graphic design or illustration. The B.F.A. 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. The purpose of the program is to prepare professional artists and designers, whether in the role of commercial artist, studio artist or art teacher. 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.

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 GPA 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.

**A. Foundations (21 hours)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 103 Drawing I	3
Art 145 Digital Imaging	3
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 213 Drawing II	3
Art 214 Drawing III	3
Art 215 Drawing IV	3

**B. Art History and Theory (12 hours)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 161 Visual Studies	1
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3

**C. Art Theory (6 hours)\***

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 370 Studies in Art (repeated three times)	6

*\*BFA graphic design majors are not required to take these six hours.*

**D. Major: Choose one of the following majors:**

**Art (Studio)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 223 Watercolor	3
Art 235 Basic Digital Photography	3
Art 243 Ceramics	3
Art 315 Printmaking	3
Art 325 Painting	3
Art 345 Sculpture	3
Art 425 Collage and Mixed Media	3
Art 489 Portfolio	2
Art 499 Honors (Senior Show)	1

Advanced study in one studio area	9
Art Electives (to bring major to a total of 76 hours)	x
<b>Total Hours:</b>	<b>76</b>

### Art Education

Course Number/Title	Credit Hours
Art 190 Introduction to Graphic Design	3
Art 223 Watercolor	3
Art 235 Basic Digital Photography	3
Art 243 Ceramics	3
Art 301 Methods of Art Education	2
Art 315 Printmaking	3
Art 325 Painting	3
Art 345 Sculpture	3
Art 425 Collage and Mixed Media	3
Art 489 Portfolio	2
Art 499 Honors (Senior Show)	1
Advanced study in one studio area	9
Art electives (to bring major to a total of 75 Hours)	X

**Total Hours: 75\***

\*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 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

Course Number/Title	Credit Hours
Art 190 Introduction to Graphic Design	3
Art 195 The History of Graphic Design	2
Art 280 Typography	3
Art 303 Layout and Design	3
Art 320 Digital Drawing	3
Art 351 Illustration I: Focus on Retail Illustration	3
Art 352 Illustration II: Focus on Editorial Illustration	3
Art 365 Introduction to Interactive Design	3
Art 403 Advanced Layout and Design	3
Art 407 Advanced Graphic Design	3
Art 451 Illustration III: Global Conscns./World Iss.	3
Art 452 Illustration IV: Focus on Series Illustration	3
Art 489 Portfolio	2
Art 490 Senior Design Studio	3
Art 499 Honors (Senior Show)	1
Three courses from:	9
Art 223 Watercolor (3)	
Art 235 Basic Digital Photography (3)	
Art 243 Ceramics (3)	
Art 315 Printmaking (3)	

Art 325 Painting (3)
Art 345 Sculpture (3)
Art 425 Collage and Mixed Media (3)

**Total Hours: 81**

### MINORS

#### Art

Course Number/Title	Credit Hours
Art 103 Drawing I	3
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 325 Painting	3
Art 345 Sculpture	3
Two courses from:	6
Art 271 Art History I (3)	
Art 272 Art History II (3)	
Art 273 Art History III (3)	

**Total Hours: 21**

#### Art History

Course Number/Title	Credit Hours
Art 161 Visual Studies	1
Art 195 The History of Graphic Design	2
Art 260 Christian Faith in Art and Architecture	3
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3
Art 370 Studies in Art (Must take two times)	4

**Total Hours: 19**

#### Ecclesiastical Art – Studio Emphasis

Course Number/Title	Credit Hours
Art 145 Digital Imaging	3
Art 161 Visual Studies	1
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Theo 252 Interpretation of the Gospels	3
Art 260 Christian Faith in Art and Architecture	3
Art 375 Ecclesiastical Art Studio	3
Art 376 Ecclesiastical Art Practicum (on site)	1
Art 377 Ecclesiastical Art Internship (off site)	2

**Total Hours: 22**

#### Ecclesiastical Art – Theoretical Emphasis

Course Number/Title	Credit Hours
Art 161 Visual Studies	1
Art 260 Christian Faith in Art and Architecture	3
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3

Theo 252 Interpretation of the Gospels	3
Art 375 Ecclesiastical Art Studio	3
Art 376 Ecclesiastical Art Practicum (on site)	1
Art 377 Ecclesiastical Art Internship (off site)	2

**Total Hours: 22**

### **Graphic Design**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 103 Drawing I	3
Art 145 Digital Imaging	3
Art 190 Introduction to Graphic Design	3
Art 203 Two-Dimensional Design	3
Art 280 Typography	3
Art 303 Layout and Design	3
Art 365 Introduction to Interactive Design	3

**Total Hours: 21**

## DEPARTMENT OF BUSINESS ADMINISTRATION

The business administration 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.

Students in the B.S. in Accountancy, B.S. in Business Administration, or B.S. in Management Information Systems degree programs who meet the university's bachelor's to master's program criteria and are approved by the business department are allowed to take Master of Business Administration courses that count toward their undergraduate major while earning credit toward an MBA degree. Students must work with an advisor to create and maintain a bachelor's to master's program plan of completion.

All business students are encouraged to include Soc 101, Psy 101, CS 121, and CTA 211 in their program of studies.

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

Bachelor of Science

### Majors

Accountancy

Business Administration

Business Communications

Management Information Systems

Marketing

### Minors

Accounting

Business

Marketing

## BACHELOR OF ARTS

### Business Administration

Course Number/Title	Credit Hours
Econ 101 Principles of Macroeconomics	3
Econ 102 Principles of Microeconomics	3
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	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 399 Internship	3
Bus 400 Business Ethics	3
Bus 443 Organizational Behavior	3
Bus 446 Strategic Management	3
Math 122 Introduction to Statistics	3

**Total Hours: 48**

**BACHELOR OF SCIENCE**
**Accountancy**

Course Number/Title	Credit Hours
Econ 101 Principles of Macroeconomics	3
Econ 102 Principles of 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 323 Financial Statemnt. Anyls. Decision Making 3	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 Strategic Management	3

**Total Hours: 72**
**Business Administration**

Course Number/Title	Credit Hours
Econ 101 Principles of Macroeconomics	3
Econ 102 Principles of Microeconomics	3
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	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 345 Management Science*	3
Bus 351 Human Resources Management	3
Bus 371 Information Systems	3
Bus 399 Internship	3
Bus 400 Business Ethics	3
Bus 443 Organizational Behavior	3
Bus 446 Strategic Management	3
Math 122 Introduction to Statistics	3

\*Bus 345 not required for Agribusiness concentration

**Business Concentration (12-16 Hours)**

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.

*Accounting Concentration (13-14 hours)*

Course Number/Title	Credit Hours
Bus 221 Intermediate Accounting I	4
Bus 322 Advanced Accounting	3
Two courses from:	6-7
Bus 222 Intermediate Accounting II (4)	
Bus 321 Cost Accounting (3)	
Bus 421 Tax Accounting (3)	
Bus 422 Auditing (3)	

*Agribusiness Concentration (16 hours)*

Course Number/Title	Credit Hours
AECN 201 Farm & Ranch Management	4
AECN 316 Agribusiness Management	3
AECN 325 Marketing Agricultural Commodities	3
Two courses from:	6
AECN 225 Ag./Food Product Marketing (3)	
AECN 301 Farm Records/Tax Management (3)	
AECN 416 International Food /Ag. Trade (3)	
AECN 452 Agricultural Finance (3)	
AECN 453 Agricultural Property Appraisal (3)	

\*AECN courses taken through consortium agreement at UNL.

*Communication Concentration (12 hours)*

Course Number/Title	Credit Hours
CTA 203 Communication Theory	3
CTA 301 Public Relations	3
Two courses from:	6
CTA 241 Media: Impacts and Influences (3)	
CTA 306 Interpersonal Communication (3)	
CTA 309 Small Group Theory (3)	

*Finance Concentration (12-13 hours)*

Course Number/Title	Credit Hours
Bus 323 Financial Statemnt. Anyls. Decision Making 3	3
Three courses from:	9-10
Bus 222 Intermediate Accounting II (4)	
Bus 335 Investments (3)	
Bus 336 Insurance (3)	
Bus 337 Banking (3)	

*Marketing Concentration (12 hours)*

Course Number/Title	Credit Hours
Bus 362 Advertising/Integrated Marketing Commun. 3	3
Bus 363 Sales and Sales Management	3
Two courses from:	6

Bus 364 Consumer Behavior (3)
Bus 366 Marketing Research (3)
CTA 203 Communication Theory (3)
CTA 285 Social Media (3)
CTA 301 Public Relations (3)

**Total Hours: 63-67****Business Communication**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Econ 102 Principles of Microeconomics	3
Math 122 Introduction to Statistics	3
Bus 121 Financial Accounting	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Bus 331 Finance	3
Bus 351 Human Resources Management	3
Bus 362 Advertising/Integrated Marketing Commun.	3
Bus 371 Information Systems	3
Bus 399/CTA 499 Internship	3
Bus 400 Business Ethics	3
Bus 443 Organizational Behavior	3
Bus 446 Strategic Management	3
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 225 Writing and Reporting	3
or CTA 242 Introduction to Broadcast Journalism	
CTA 241 Media: Impacts and Influences	3
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	3
or CTA 333 Intercultural Communication	
CTA 309 Small Group Theory	3

**Total Hours: 60****Marketing**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 145 Digital Imaging	3
Econ 102 Principles of Microeconomics	3
Math 122 Introduction to Statistics	3
Bus 121 Financial Accounting	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Bus 331 Finance	3
Bus 362 Advertising/Integrated Marketing Commun.	3
Bus 363 Sales and Sales Management	3
Bus 364 Consumer Behavior	3
Bus 366 Marketing Research	3
Bus 371 Information Systems	3
Bus 400 Business Ethics	3
Bus 446 Strategic Management	3
CTA 203 Communication Theory	3
CTA 226 Journalistic Design	3
or Art 190 Introduction to Graphic Design*	

CTA 241 Media: Impacts and Influences	3
or CTA 242 Introduction to Broadcast Journalism	
CTA 285 Social Media	3
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	3
or CTA 333 Intercultural Communication	
CTA 499/Bus 399 Internship	3

\*Art 190 has a prerequisite of Art 103.

Note: Bus 300 Business Law is a recommended supplement to the Marketing major. A minor in business or graphic design would also be very desirable.

**Total Hours: 63****Management Information Systems**

<u>Course Number/Title</u>	<u>Credit Hours</u>
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 Archit. I	3
CS 344 Data Structures and Algorithm Analysis	3
CS 351 Database Design and Management	3
CS 361 Operating Systems/Computer Arch. II	3
or CS 39x Seminar Computer Science	
CS 391 Computer Science Senior Project	3
Bus 121 Financial Accounting	3
Bus 281 Business Communication	3
Bus 331 Finance	3
Bus 343 Operations Management	3
Bus 345 Management Science	3
Bus 371 Information Systems	3
Bus 399 Internship	3
Bus 400 Business Ethics	3
Bus 442 Info. System Design & Development	3
Bus 443 Organizational Behavior	3
or Bus 351 Human Resources Management	
Bus 446 Strategic Management	3
Math 122 Introduction to Statistics	3

**Total Hours: 66**

Note: CS 334 Organization of Programming Languages, Econ 101 Macroeconomics and Econ 102 Microeconomics are also recommended.

**MINORS****Accounting**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	3

Bus 221 Intermediate Accounting I	4
Bus 222 Intermediate Accounting II	4
Two courses from:	6
Bus 321 Cost Accounting (3)	
Bus 322 Advanced Accounting (3)	
Bus 421 Tax Accounting (3)	
Bus 422 Auditing (3)	

**Total Hours: 20**

### **Business**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bus 121 Financial Accounting	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Bus 331 Finance*	3
Bus 371 Information Systems	3
One Management Elective from:	3
Bus 343 Operations Management (3)	
Bus 345 Management Science (3)	
Bus 351 Human Resources Management (3)	
Bus 443 Organizational Behavior (3)	

\*Bus 331 has Econ 101 as prerequisite, which may be applied toward General Education social science requirements.

**Total Hours: 18**

### **Marketing**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bus 261 Marketing	3
Bus 362 Advert. & Integrated Marketing Comm.	3
CTA 301 Public Relations	3
Three marketing electives from:	9
Bus 363 Sales and Sales Management (3)	
Bus 364 Consumer Behavior (3)	
Bus 366 Marketing Research (3)	
CTA 285 Social Media (3)	

**Total Hours: 18**

## DEPARTMENT OF ENGLISH, COMMUNICATION AND THEATRE ARTS

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

### Majors

Arts Administration

Communication Studies

English

Journalism and Public Relations

Theatre

### Minors

Communication

Composition and Rhetoric

English

Interpersonal Communication

Journalism and Public Relations

Literature

Performing Arts

Writing

### Arts Administration

Course Number/Title	Credit Hours
Bus 121 Financial Accounting	3
Bus 261 Marketing	3
Bus 300 Business Law	3
Bus 371 Information Systems	3
Bus 400 Business Ethics	3
Bus 351 Human Resources Management or Bus 443 Organizational Behavior (3)	3
Bus/CTA 385 Arts Administration	3
Bus 399/CTA 499 Internship	3
CTA 301 Public Relations	3
Econ 102 Principles of Microeconomics	3
Math 122 Introduction to Statistics	3

Choose 36 hours (with a minimum of 5-6 hours in a minimum of 4 tracks) from:

#### *Art History and Theory track*

Course Number/Title	Credit Hours
Art 195 The History of Graphic Design	2
Art 260 Christian Faith in Art and Architecture	3
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3
Art 370 Studies in Art	2

#### *Studio Art track*

Course Number/Title	Credit Hours
Art 145 Digital Imaging	3
Art 190 Introduction to Graphic Design	3
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3

#### *Music track*

Course Number/Title	Credit Hours
Mu 101 Elements of Music in the Digital Age	3
Mu 111 Music Appreciation	3
Mu 115 History of Rock	3
Mu 214 Jazz: An American Experience	3
MuAp 151 Beginning Voice	1
MuAp 161 Beginning Guitar	1
MuAp 171 Piano	2
ChMu 313 Christian Hymnody	2
MuAp (private lessons) or Ensembles*	3

\*limit 3 hours

#### *Theatre track*

Course Number/Title	Credit Hours
CTA 152 Basic Acting Technique	3
CTA 153 Theatre History	3
CTA 231 Oral Interpretation	3
CTA 232 Costume and Makeup Design	2



CTA 233 Stage Scenery, Lighting and Sound	4
CTA 299 Theatre Practicum	1
CTA 373 Play Production	3
CTA 399 Independent study	3

*Literature and Writing track*

Select from upper-level literature or writing courses.

**Total Hours: 69**

### Communication Studies

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 241 Media: Impacts and Influences	3
CTA 300 Placement Seminar	1
CTA 302 Rhetorical Theory	3
CTA 306 Interpersonal Communication	3
CTA 309 Small Group Theory	3
CTA 333 Intercultural Communication	3
CTA 399 Independent Study or CTA 499 Internship	3
CTA 400 Communication Research	3
ECTA 499 Special Topics in Study of Language	3
Electives from:	6-10
CTA 200 Forensics (3)	
CTA 301 Public Relations (3)	
Soc 306 Intro. Psych./Social Research (3)	
Soc 331 The Family (3)	
Soc 333 Social Gerontology (3)	
Soc 361 Social Theory (3)	
Psy 341 Group Techniques (3)	
Psy 442 Introduction to Counseling (3)	
Psy 451 Personality Theory (3)	
ECTA 350 Special Topics in ECTA (2-3)	
Psy/Bus 351 Human Resources Management (3)	
Bus 443 Organizational Behavior (3)	
Soc 201 Cultural Anthropology (3)	
Soc 345 Social Psychology (3)	
Psy 421 Adolescent Psych. & Development (2-3)	
Psy 445 Abnormal Psychology (3)	
SW 201 Introduction to Social Work (3)	
CEL 486 Family Life Ministry (3)	
Other electives in interpersonal, group, or family communication	

**Total Hours: 37-41**

### English

<u>Course Number/Title</u>	<u>Credit Hours</u>
Eng 221 Intermediate Writing	3
Eng 231 Studies in the English Language	3
Eng 300 Placement Seminar	1
Two courses from:	6

Eng 326 Poetry Writing	
Eng 327 Fiction Writing	
Eng 328 Creative Nonfiction Writing	
Eng 329 Scriptwriting	
One course from:	3
Eng 341 American Literature I	
Eng 342 American Literature II	
Eng 343 American Literature III	
One course from:	3
Eng 362 British Literature I	
Eng 363 British Literature II	
Eng 364 British Literature III	
Eng 366 Shakespeare	3
One course from:	3
Eng 381 World Literature I	
Eng 382 World Literature II	
Eng 384 World Literature III	
Eng 383 Modern Poetry or Eng 385 Psych./Soc. Analysis Modern Lit.	3
Eng 431 English Language and Linguistics	3
ECTA 499 Special Topics in Study of Language	3
Six hours from the preceding options and/or:	6
Eng 391 Children's Literature	
Eng 392 Reading Interests of Adolescents	

Note: 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).

**Total Hours: 40**

### Journalism and Public Relations

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 235 Basic Digital Photography	3
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 225 Writing and Reporting	3
CTA 226 Journalistic Design	3
CTA 241 Media: Impacts and Influences	3
CTA 242 Introduction to Broadcast Journalism	3
CTA 281 Business Communication	3
CTA 296 Journalism Practicum	1
CTA 300 Placement Seminar	1
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	3
CTA 327 Advanced Writing and Reporting	3
CTA 400 Communication Research	3
CTA 399 Independent Study or CTA 499 Internship	3

One course from:	3
Eng 221 Intermediate Writing	
Eng 326 Poetry Writing	
Eng 327 Fiction Writing	
Eng 328 Creative Nonfiction Writing	

**Total Hours: 44****Theatre**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 152 Basic Acting Technique	3
CTA 153 Theatre History	3
CTA 154 Creative Drama	3
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 232 Costume and Make-Up Design	2
CTA 233 Stage Scenery, Lighting, and Sound	4
CTA 241 Media: Impacts and Influences	3
CTA 300 Placement Seminar	1
CTA 302 Rhetorical Theory	3
CTA 373 Play Production	3
CTA 400 Communication Research	3
ECTA 499 Special Topics in Study of Language	3
Six to ten hours from:	6-10
CTA 200 Forensics (3)	
CTA 231 Oral Interpretation (3)	
CTA 242 Introduction to Broadcast Journalism (3)	
CTA 298 Forensics Practicum (1)	
CTA 299 Theatre Practicum (1)	
CTA 333 Intercultural Communication (3)	
CTA 399 Independent Study (1-3)	
CTA 499 Internship (1-3)	
ECTA 350 Special Topics in ECTA (2-3)	

**Total Hours: 43-47****MINORS****Communication**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 225 Writing and Reporting	3
CTA 241 Media: Impacts and Influences	3
Six hours from:	6
CTA 281 Business Communication (3)	
CTA 301 Public Relations (3)	
CTA 306 Interpersonal Communication (3)	
CTA 309 Small Group Theory (3)	
CTA 311 Persuasion, Argumentation, Debate (3)	
CTA 333 Intercultural Communication (3)	
CTA 400 Communication Research (3)	
ECTA 350 Special Topics in ECTA (2-3)	

**Total Hours: 18****Composition and Rhetoric**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 225 Writing and Reporting	3
CTA 302 Rhetorical Theory	3
Eng 221 Intermediate Writing	3
Eng 231 Studies in the English Language	3
Eng 328 Creative Nonfiction Writing	3
Eng 431 English Language and Linguistics	3
Three hours from:	3
CTA 200 Forensics (3)	
CTA 203 Communication Theory (3)	
CTA 311 Persuasion, Argumentation, Debate (3)	
CTA 399 Independent Study	
CTA 499 Internship (1-3)	
Eng 499 Internship (3)	
ECTA 350 Special Topics in ECTA (2-3)	
Phil 301 Concepts in Philosophy (3)	
Phil 311 History of Philosophical Thought I (3)	
Phil 312 History of Philosophical Thought II (3)	

**Total Hours: 21****English**

<u>Course Number/Title</u>	<u>Credit Hours</u>
One course from:	3
Eng 341 American Literature I	
Eng 342 American Literature II	
Eng 343 American Literature III	
One course from:	3
Eng 362 British Literature I	
Eng 363 British Literature II	
Eng 364 British Literature III	
One course from:	3
Eng 366 Shakespeare	
Eng 381 World Literature I	
Eng 382 World Literature II	
Eng 384 World Literature III	
One course from:	3
Eng 221 Intermediate Writing	
Eng 326 Poetry Writing	
Eng 327 Fiction Writing	
Eng 328 Creative Nonfiction Writing	
Eng 329 Scriptwriting	
Eng 231 Studies in the English Language	3
Six additional hours of English above Eng 201	6
Note: 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).

**Total Hours: 21**

### Interpersonal Communication

Course Number/Title	Credit Hours
CTA 203 Communication Theory	3
CTA 306 Interpersonal Communication	3
CTA 309 Small Group Theory	3
CTA 333 Intercultural Communication	3
Six hours from:	6
CTA 200 Forensics (3)	
CTA 301 Public Relations (3)	
CTA 400 Communication Research (3)	
Psy/Soc 306 Intro to Psych./Social Research (3)	
Soc 201 Cultural Anthropology (3)	
Soc 331 The Family (3)	
Soc 333 Social Gerontology (3)	
Soc 361 Social Theory (3)	
Psy 341 Group Techniques (3)	
Psy 421 Adolescent Psychology & Develop. (2-3)	
Psy 442 Introduction to Counseling (3)	
Psy 445 Abnormal Psychology (3)	
Psy 451 Personality Theory (3)	
ECTA 350 Special Topics in ECTA (2-3)	
Bus 351 Human Resources Management (3)	
Bus 443 Organizational Behavior (3)	
SW 201 Introduction to Social Work (3)	
CEL 486 Family Life Ministry (3)	

**Total Hours: 18**

### Journalism and Public Relations

Course Number/Title	Credit Hours
Art 235 Basic Digital Photography	3
CTA 225 Writing and Reporting	3
CTA 226 Journalistic Design	3
CTA 242 Introduction to Broadcast Journalism	3
CTA 301 Public Relations	3
CTA 327 Advanced Writing and Reporting	3

**Total Hours: 18**

### Literature

Course Number/Title	Credit Hours
One course from:	3
Eng 341 American Literature I	
Eng 342 American Literature II	
Eng 343 American Literature III	
One course from:	3
Eng 362 British Literature I	
Eng 363 British Literature II	
Eng 364 British Literature III	
Eng 366 Shakespeare	

One course from:	3
Eng 381 World Literature I	
Eng 382 World Literature II	
Eng 384 World Literature III	

Eng 383 Modern Poetry	3
or Eng 385 Psych./Soc. Analysis Modern Lit.	

Six hours from the preceding courses or: 6

Eng 391 Children's Literature	
Eng 392 Reading Interests of Adolescents	
Eng 399 Independent Study	
Eng 499 Internship	
Grk 410 Acts	
Grk 420 Pauline Epistles	
Grk 430/ Heb 440 Text. Criticism/Intertest. Rel.	
Heb 410 Latter Prophets	
Heb 420 Exodus and Deuteronomy	
Heb 430 Psalms & Wisdom Literature	
Theo 242 Interp. of Selected Psalms	
Theo 251 Interp. of Selected Pauline Epistles	
Theo 252 Interpretation of the Gospels	
Span 341 Introduction to Hispanic Literature	
Span 342 Intro. to Analysis of Hispanic Lit.	

Note: 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).

**Total Hours: 18**

### Performing Arts

Course Number/Title	Credit Hours
CTA 152 Basic Acting Technique	3
CTA 153 Theatre History	3
CTA 154 Creative Drama	3
CTA 373 Play Production	3

Nine hours from: 9

CTA 231 Oral Interpretation (3)	
CTA 232 Costume and Makeup Design (2)	
CTA 233 Stage Scenery, Light. & Sound (4)	
CTA 241 Media: Impacts and Influences (3)	
CTA 242 Introduction to Broadcast Journalism (3)	

**Total Hours: 21**

### Writing

Course Number/Title	Credit Hours
CTA 225 Writing and Reporting	3
Eng 231 Studies in the English Language	3
Four courses from:	12

Eng 221 Intermediate Writing

Eng 326 Poetry Writing

Eng 327 Fiction Writing

Eng 328 Creative Nonfiction Writing

Eng 399 Independent Study\*

Eng 499 Internship

\*Only three hours may be Independent Study

**Total Hours: 18**

## DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

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.

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

Bachelor of Science

### Majors

Community Health

Exercise Science

Fitness Studies

Recreation and Sport Studies

### Minors

Community Health

Parish Health

Recreation

Recreation and Sports Management

Senior Adult Fitness

Sport Ministry

Sport Psychology

## BACHELOR OF ARTS

### Community Health

Course Number/Title	Credit Hours
HHP 181 Elements of Health	3
HHP 182 First Aid and CPR	2
HHP 286 Health Topics: Men's Health or HHP 287 Health Topics: Women's Health	1
HHP/Psy 290 Health Psychology	3
HHP 389 Senior Seminar in Health	1
HHP 398 Internship in Community Health	3
HHP/Bio 465 Human Diseases	3
HHP 480 Health and Human Sexuality	3
HHP 482 Applied Epidemiology	3
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	2
HHP 488 Health Promotion Programming	3
HHP 489 Global Health	2-3
Bio 243 Elements of Human Anatomy & Physiology	4
Bio 244 Nutrition	3
Bus 281 Business Communication	3
Bus 351 Human Resources Management	3
CTA 309 Small Group Theory	3
Gero 401 Health Aspects of Aging	3
Three health topics courses from:	3
HHP 281 Drug Education (1)	
HHP 283 Consumer Health (1)	
HHP 284 Stress Management (1)	
HHP 286 Men's Health (1)	
HHP 287 Women's Health (1)	
HHP 289 Violence and Injury Prevention (1)	
One course from:	3
Psy 442 Introduction to Counseling	
Psy 451 Personality Theory	
Soc 221 Social Problems	
Soc 331 The Family	
Soc 333 Social Gerontology	
SW 201 Introduction to Social Work	

Note: Students in the B.A. Community Health program who meet the university's bachelor's to master's program criteria and are approved by the health and human performance department are allowed to take Master of Public Health courses that count toward their undergraduate major while earning credit toward an MPH degree. Students must work with an advisor to create and maintain a bachelor's to master's program plan of completion.

**Total Hours: 57-58**

**Fitness Studies**

Course Number/Title	Credit Hours
Four fitness courses from HHP 161-168	2
One Team Activity course from HHP 111-132	0.5
One Individual Activity course from HHP 135-158	0.5
One Leisure Activity course from HHP 142-149	0.5
One Aquatic Activity course from HHP 171-177	0.5
HHP 182 First Aid and CPR	2
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 270 Human Performance Lab. Techniques	2
HHP 273 Motor Learning and Development	3
One health topics course from:	1
HHP 281 Drug Education	
HHP 286 Men's Health	
HHP 287 Women's Health	
HHP 288 Health and Aging	
HHP 284 Health Topics: Stress Management	1
HHP 291 Foundations of Human Performance	2
HHP/Psy 295 Psychology of Exercise	3
HHP/Bio 385 Physiology of Exercise	3
HHP 392 Internship in Fitness Studies	3
HHP 395 Biomechanics	3
HHP 399 Senior Seminar in Human Performance	1
HHP 410 Essentials Strength Train. Conditioning	3
HHP 491 Management of P. E, Recreation & Sports	3
HHP 494 Measurement & Eval. in Human Perfor.	3
HHP 495 Legal Aspects of Exercise, Rec. & Sport	3
Bio 111 or 112 General Biology I or II	4
Bio 243 Elements of Human Anatomy & Physiology	4
Bio 244 Nutrition	3
Chem 109 Introductory Chemistry	3
or Chem 115 General Chemistry (4)	
Phys 109 Introductory Physics	3
or Phys 111 General Physics I (4)	
Two courses from:	6
HHP 312 Exercise Prescription (3)	
HHP 471 Adapted Physical Activity (3)	
HHP 488 Health Promotion Programming (3)	
Bus 261 Marketing (3)	
Gero 401 Health Aspects of Aging (3)	

**Total Hours: 65-67****Recreation and Sport Studies**

## Core Requirements (16 hours)

Course Number/Title	Credit Hours
HHP 292 Foundations of Recreation and Sport	2
HHP 298 Theory of Coaching	2
HHP 462 Sport Ethics	3
HHP 464 Social Issues in Recreation and Sport	3
HHP 495 Legal Aspects of Exercise, Rec., & Sport	3
CTA 281 Business Communication	3
Choose one Emphasis:	

*Sport Communication Emphasis (42-43 hours)*

Course Number/Title	Credit Hours
Choose four Activity courses from:	2
HHP 111 Flag Football (.5)	
HHP 112 Lacrosse (.5)	
HHP 116 Basketball (.5)	
HHP 117 Soccer (.5)	
HHP 118 Softball (.5)	
HHP 132 Volleyball (.5)	
HHP 135 Track and Field (.5)	
HHP 154 Golf (.5)	
HHP 156 Tennis (.5)	
HHP 157 Bowling (.5)	
HHP 166 Weight Training (.5)	
HHP 369 Senior Seminar in Rec. & Sports Studies	1
HHP 394 Internship in Sport Communication	3
Art 145 Digital Imaging	3
Art 235 Basic Digital Photography	3
Bus 261 Marketing	3
Bus 362 Advert. & Integrated Marketing Comm.	3
CTA 203 Communication Theory	3
CTA 225 Writing and Reporting	3
CTA 226 Journalistic Design	3
CTA 241 Media: Impacts and Influences	3
CTA 242 Introduction to Broadcast Journalism	3
CTA 296 Journalism Practicum	1
CTA 301 Public Relations	3
CTA 327 Advanced Writing and Reporting	3
Select one course from:	2-3
CTA 285 Social Media (3)	
CTA 302 Rhetorical Theory (3)	
CTA 306 Interpersonal Communication (3)	
CTA 309 Small Group Theory (3)	
ECTA 150/ 250/350 Special Topics in ECTA (2-3)	

*Recreation Emphasis (45 hours)*

Course Number/Title	Credit Hours
HHP 144 Recreational Sports	.5
Select a minimum of two courses from:*	1-1.5
HHP 142 Orienteering (.5)	
HHP 146 Adventure/Cooperative Activities (.5)	
HHP 147 Alpine Skiing (.5)	
HHP 148 Beginning Climbing (.5)	
HHP 149 Wilderness Adventure Activities (.5)	
HHP 153 Folk Dance (.5)	
or HHP 155 Square and Line Dance (.5)	
Select a minimum of two courses from:*	1-1.5
HHP 111 Flag Football (.5)	
HHP 116 Basketball (.5)	
HHP 117 Soccer (.5)	
HHP 118 Softball (.5)	
HHP 132 Volleyball (.5)	
HHP 154 Golf (.5)	

HHP 156 Tennis (.5)		HHP 157 Bowling (.5)	
HHP 157 Bowling (.5)		HHP 161 Aerobic Walking/Jogging (.5)	
HHP 161 Aerobic Walking/Jogging (.5)		HHP 166 Weight Training (.5)	
HHP 164 Cross Training (.5)		HHP 168 Aerobics (.5)	
or HHP 166 Weight Training (.5)		HHP 367 Recreational Programming	3
HHP 182 First Aid and CPR	2	HHP 369 Senior Seminar Rec. & Sports Studies	1
HHP 228 Programs in Sports	3	HHP 396 Internship in Rec. & Sport Management	3
HHP 248 Programs Leisure/Adventure Activities	1	HHP 491 Management of P.E., Recreation & Sports	3
HHP 273 Motor Learning and Development	3	HHP 496 Recreation & Sport Facility Management	3
HHP 367 Recreational Programming	3	Econ 101 Principles of Macroeconomics	3
HHP 369 Senior Seminar Rec. & Sports Studies	1	Bus 121 Financial Accounting	3
HHP 390 Internship in Recreation	3	Bus 261 Marketing	3
HHP 467 Recreation Program Design	3	Bus 351 Human Resources Management	3
HHP 471 Adapted Physical Activity	3	Bus 362 Advert. & Integrated Marketing Comm.	3
HHP 491 Management of P.E., Recreation & Sports	3	or Bus 443 Organizational Behavior (3)	
HHP 496 Recreation & Sport Facility Management	3	CTA 309 Small Group Theory	3
Educ 300 Outdoor Christian Education	2	Geog 291 Geography of Sports & Outdoor Rec.	3
Geog 291 Geography of Sports & Outdoor Rec.	3	Select two courses from:	6
Psy 341 Group Techniques	3	HHP 463 Psychology of Coaching (3)	
Select one Art course:	3	Bus 122 Managerial Accounting (3)	
Art 101 Fundamentals of Art (3)		Bus 331 Finance (3)	
Art 103 Drawing I (3)		Bus 443 Organizational Behavior (3) (if not taken above)	
Art 243 Ceramics (3)		Bus 446 Strategic Management (3)	
Select one course from:	3	CTA 285 Social Media (3)	
HHP/Psy 295 Psychology of Exercise (3)		CTA 301 Public Relations (3)	
HHP 463 Psychology of Coaching (3)		CTA 309 Small Group Theory (3) (if not taken above)	
Bus 261 Marketing (3)		Math 122 Introduction to Statistics (3)	
CTA 309 Small Group Theory (3)			
Bus 351 Human Resources Management (3)			
Geog 320 Resource Manage. National Parks (3)			

**Total Hours: 58-61**

\*a minimum of five courses between the two groups of activity courses.

*Recreation and Sport Management Emphasis*

*(42 hours)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
HHP 144 Recreational Sports	.5
Choose three Activity courses from:	1.5
HHP 111 Flag Football (.5)	
HHP 112 Lacrosse (.5)	
HHP 116 Basketball (.5)	
HHP 117 Soccer (.5)	
HHP 118 Softball (.5)	
HHP 132 Volleyball (.5)	
HHP 135 Track and Field (.5)	
HHP 142 Orienteering (.5)	
HHP 146 Adventure/Cooperative Activities (.5)	
HHP 147 Alpine Skiing (.5)	
HHP 148 Beginning Climbing (.5)	
HHP 149 Wilderness Adventure Activities (.5)	
HHP 154 Golf (.5)	
HHP 155 Square and Line Dance (.5)	
HHP 156 Tennis (.5)	

**BACHELOR OF SCIENCE****Exercise Science**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Three fitness courses from HHP 161-168	1.5
One activity course from:	.5
HHP 147 Alpine Skiing (.5)	
HHP 154 Golf (.5)	
HHP 156 Tennis (.5)	
HHP 157 Bowling (.5)	
HHP 158 Racquetball (.5)	
HHP 182 First Aid and CPR	2
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 270 Human Performance Lab. Techniques	2
HHP 273 Motor Learning and Development	3
One health topics course from:	1
HHP 281 Drug Education (1)	
HHP 284 Stress Management (1)	
HHP 286 Men's Health (1)	
HHP 287 Women's Health (1)	
HHP 288 Health and Aging (1)	
HHP 291 Foundations of Human Performance	2
HHP/Psy 295 Psychology of Exercise	3
HHP 312 Exercise Prescription	3
HHP/Bio 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 Measure/Eval. in Human Performance	3
HHP 495 Legal Aspects of Exercise, Rec., & Sport	3
Bio 111 or 112 General Biology I or II	4
Bio 244 Nutrition	3
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Chem 115 General Chemistry I	4
Chem 116 General Inorganic & Qualitative Analysis 4 or Chem 231 Organic Chemistry I	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Electives from:	3-4
HHP 410 Essentials Strength Train./Condition. (3)	
HHP/Bio 465 Human Diseases (3)	
HHP 482 Applied Epidemiology (3)	
Math 322 Foundations of Statistics (3)	
Chem 116 General Inorganic & Qualitative An. (4) or Chem 231 Organic Chemistry I (4)	
Bio 111 or 112 General Biology I or II (4)	

**Total Hours: 70-71****MINORS****Coaching**

Recommended for non-teachers	
<u>Course Number/Title</u>	<u>Credit Hours</u>
HHP 182 First Aid and CPR	2
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 298 Theory of Coaching	2
HHP 362 Internship in Coaching	2-3
HHP/Bio 385 Physiology of Exercise	3
HHP 463 Psychology of Coaching	3
HHP 491 Management. of P.E., Recreation & Sport	3
Bio 243 Elements of Human Anatomy & Physiology	4
One course from:	2
HHP 321 Coaching of Football (2)	
HHP 322 Coaching of Basketball (2)	
HHP 323 Coaching of Softball/Baseball (2)	
HHP 325 Coaching of Track (2)	
HHP 326 Coaching of Soccer (2)	
HHP 327 Coaching of Volleyball (2)	

**Total Hours: 23****Community Health**

<u>Course Number/Title</u>	<u>Credit Hours</u>
HHP 181 Elements of Health	3
HHP 182 First Aid and CPR	2
HHP 286 Health Topics: Men's Health or HHP 287 Health Topics: Women's Health	1
HHP 288 Health Topics: Health and Aging	1
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	2
HHP 488 Health Promotion Programming	3
Bus 281 Business Communication	3
Two to Five hours from Health Topics:	2-5
HHP 281 Drug Education (1)	
HHP 283 Consumer Health (1)	
HHP 284 Stress Management (1)	
HHP 285 Nutrition (1)	
HHP 286 Men's Health (1)	
HHP 287 Women's Health (1)	
HHP 289 Violence and Injury Prevention (1)	
HHP 489 Global Health (2-3)	
Zero to Three hours of electives from:	0-3
HHP/Psy 290 Health Psychology (3)	
HHP/Bio 465 Human Diseases (3)	
HHP 480 Health and Human Sexuality (3)	
HHP 482 Applied Epidemiology (3)	

**Total Hours: 23-25**



**Parish Health**

Course Number/Title	Credit Hours
HHP 284 Stress Management	1
HHP 285 Nutrition	1
HHP 286 Men's Health	1
HHP 287 Women's Health	1
HHP/Psy 290 Health Psychology	3
HHP 484 Community Health	3
HHP 488 Health Promotion Programming	3
Gero 401 Health Aspects of Aging	3
Soc 331 The Family	3
Psy 442 Introduction to Counseling	3

**Total Hours: 22**

**Recreation**

Course Number/Title	Credit Hours
HHP 144 Recreational Sports	0.5
HHP 1__ Selected Activity course	0.5
HHP 248 Programs Leisure/Adventure Activities	1
HHP 298 Theory of Coaching	2
HHP 367 Recreational Programming	3
HHP 390 Internship in Recreation	3
HHP 464 Social Issues in Recreation and Sport	3
HHP 467 Recreation Program Design	3
HHP 491 Management of PE, Recreation, & Sport	3
HHP 495 Legal Aspects of Exercise, Rec., & Sport	3

**Total Hours: 22**

**Recreation and Sport Management**

Course Number/Title	Credit Hours
HHP 298 Theory of Coaching	2
HHP 367 Recreational Programming	3
HHP 396 Internship in Rec. & Sports Management	3
HHP 462 Sport Ethics	3
HHP 491 Management of PE, Recreation, & Sports	3
HHP 495 Legal Aspects of Exercise, Rec., & Sport	3
HHP 496 Recreation & Sport Facility Management	3

**Total Hours: 20**

**Senior Adult Fitness**

Course Number/Title	Credit Hours
Gero 205 Adult Development and Aging or Gero 400 Issues Geron. & Aging Studies (3)	3
Gero 401 Health Aspects of Aging	3
Gero 418 Nutrition and the Older Adult	3
HHP 393 Internship in Senior Adult Fitness	3
HHP 410 Essentials Strength Train. Conditioning	3
HHP 488 Health Promotion Programming	3
Three hours from:	3
Bio 371 The Biology of the Brain (3)	
HHP 312 Exercise Prescription (3)	

Gero 403 Mental Health and Aging (3)  
Gero 417 Aging and the Brain (3)

**Total Hours: 21**

**Sport Ministry**

Course Number/Title	Credit Hours
HHP 291 Foundations of Human Performance	2
HHP 391 Internship in Sport Ministry*	3
HHP 462 Sport Ethics	3
HHP 491 Management of P.E., Recreation & Sports	3
Educ 300 Outdoor Christian Education	2
Theo 375 Christian Denom. & Religious Move. or Theo 390 World Religions	3
Electives (to bring total to 21 hours) from:	5
Psy 341 Group Techniques (3)	
HHP 228 Programs in Sports (3)	
HHP 248 Programs Leisure/Adventure Activities (1)	
HHP 298 Theory of Coaching (2)	
HHP/Bio 465 Human Diseases (3)	

\*If used for DCE emphasis, internship is excluded.

**Total Hours: 21**

**Sport Psychology**

Course Number/Title	Credit Hours
HHP 273 Motor learning and Development	3
HHP/Psy 295 Psychology of Exercise	3
HHP 463 Psychology of Coaching	3
HHP 464 Social Issues in Recreation and Sport	3
Psy 221 Lifespan Development	3
Choose two courses from:	6
Psy 442 Introduction to Counseling (3)	
Psy 445 Abnormal Psychology (3)	
Psy/Soc 345 Social Psychology (3)	
Psy/HHP 290 Health Psychology (3)	

**Total Hours: 21**

## DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

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 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.

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

Bachelor of Science

### Majors

Computer Science

Mathematics

### Minors

Actuarial Science

Computer Science

Mathematics

## BACHELOR OF ARTS

### Computer Science

Computer Science Core (30 hours)

Course Number/Title	Credit 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 Archit. I	3
CS 334 Organization of Programming Languages	3
CS 344 Data Structures and Algorithm Analysis	3
CS 348 Discrete Structures	3
CS 361 Operating Systems/Computer Arch. II	3
Nine hours of electives from:	
CS/Math 321 Numerical Analysis (3)	
CS 324 Computer Graphics (3)	
CS 351 Database Design and Management (3)	
CS 39x Seminar in Computer Science (3)	

**Total Hours: 39**

### Mathematics

Mathematics Core (27 hours)

Course Number/Title	Credit Hours
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
Math 384 Differential Equations	3
CS 131 Computer Programming I	3

*\*Math 182 may be substituted with departmental approval*

**Mathematics (12 hours)**

Course Number/Title	Credit Hours
Math 332 Abstract Algebra I	3
Math 382 Real Analysis I	3
6 hours electives from:	6
Math 318 Seminar in Mathematics	
Math 321 Numerical Analysis	
Math 323 Foundations of Statistics	
Math 335 Number Theory	
Math 365 Foundations of Geometry	
Math 475 Mathematical Modeling	

**Total Hours: 39**

**BACHELOR OF SCIENCE**
**Computer Science**

Computer Science Core (30 hours) – See B.A.

Computer Science (30 hours)

Course Number/Title	Credit 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 - 2 courses from:	6
CS 324 Computer Graphics	
CS 351 Database Design and Management	
CS 39x Seminar in Computer Science	

**Total Hours: 60**

**Mathematics**

Mathematics Core (27 hours) – See B.A.

Mathematics (18 hours)

Course Number/Title	Credit 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 (approved by math dept.):	
Math 318 Seminar in Mathematics	
Math 321 Numerical Analysis	
Math 323 Foundations of Statistics II	
Math 332 Abstract Algebra	
Math 335 Number Theory	
Math 348 Discrete Mathematics	
Math 365 Foundations of Geometry	
Math 382 Real Analysis I	

CS 141 Computer Programming II

*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.*

**Total Hours: 45**

**MINORS**
**Actuarial Science**

Course Number/Title	Credit Hours
Math 321 Numerical Analysis	3
Math 323 Foundations of Statistics II	3
Bus 121 Financial Accounting	3
Bus 281 Business Communication	3
Bus 331 Finance	3
Bus 336 Insurance	3

**Total Hours: 18**

Minor also requires the following prerequisites:

Math 184, 186, 284, 322, 333; CS 131, 141; Econ 101, 102. Contact the math department for more information.

**Computer Science**

Course Number/Title	Credit 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 Archit. I	3

**Total Hours: 18**

**Mathematics**

Course Number/Title	Credit Hours
Math 184 Calculus I	4
Math 186 Calculus II	4
Math 252 Mathematical Structures	3
Math 322 Foundations of Statistics	3
Two courses from:	6
Math 284 Calculus III (3)	
Math 332 Abstract Algebra I (3)	
Math 333 Linear Algebra (3)	
Math 335 Number Theory (3)	
Math 382 Real Analysis I (3)	
Math 384 Differential Equations (3)	

**Total Hours: 20**

## DEPARTMENT OF MUSIC

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

Bachelor of Music

### Majors

Church Music

Music

Music Education\*

### Minors

Contemporary Church Music

Music

Worship Arts

*\*Also see Bachelor of Science for opportunities in music education*

## BACHELOR OF ARTS

### Music

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 202 Aural Skills III	2
Mu 203 Music Theory III	3
Mu 204 Aural Skills IV	2
Mu 205 Music Theory IV	3
Mu 211 Music History to 1750	3
Mu 212 Music History since 1750	3
Mu 213 World Music	3
Mu 320 Seminar in Music	3
Mu 493 Senior Project	2
Electives in Music	6
Principle Instrument	8
Ensembles (may audit)	4

Auditing ensembles reduces the number of hours in the program, allowing more room for electives.

Keyboard Proficiency: pass keyboard prof. exam

Recital attendance: See *Music Student Handbook*.

Emphasis-Select six hours from one of the following:

#### Church Music

Course Number/Title	Credit Hours
Select six hours from:	6
ChMu 275 Hymn Adaptations (2)	
ChMu 313 Christian Hymnody (2)	
ChMu 411 Christian Liturgy (3)	
ChMu 431 Liturgical Church Music Admin. (2)	
Mu 331 Basic Conducting (2)	
MuAp 182 Service Playing (1)	

#### Conducting

Course Number/Title	Credit Hours
Select six hours from:	6
Mu 331 Basic Conducting (2)	
Mu 332 Instrumental Conducting (2)	
Mu 333 Choral Conducting (2)	

#### General Music

Course Number/Title	Credit Hours
Select six hours from:	6
Any additional music courses 200-level and above.	

#### Performance

Course Number/Title	Credit Hours
Select six hours from:	6
Principal Instrument (6 additional hours, for a total of 14 hours)	

#### Theory and Composition

Course Number/Title	Credit Hours
Select six hours from:	6
ChMu 275 Hymn Adaptations (2)	
Mu 303 Arranging (2)	
MuAp 291 Composition (1-2)	
MuAp 391 Composition (1-2)	
MuAp 491 Composition (1-2)	

**Total Hours: 58**

Note: All students who wish to major in music must make formal application for admittance in the major during their first year at Concordia. See Student Music Handbook for admission and retention procedures.

## BACHELOR OF 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 the *Music Student Handbook* for admission and retention procedures.

This degree leads to rostered status in the Missouri Synod as a Director of Parish Music for individuals who are members of an LCMS congregation. See the Music Department for details.

### Church Music

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 202 Aural Skills III	2
Mu 203 Music Theory III	3
Mu 204 Aural Skills IV	2
Mu 205 Music Theory IV	3
Mu 211 Music History to 1750	3
Mu 212 Music History since 1750	3
Mu 213 World Music	3
Mu 303 Arranging	2
Mu 331 Basic Conducting	2
Mu 333 Choral Conducting	2
Mu 334 Choral Literature and Development	2
Mu 493 Senior Project	2
ChMu 231 Contemp. Church Music Administration	1
ChMu 275 Hymn Adaptations	2
ChMu 282 Media in Contemporary Worship	2
ChMu 313 Christian Hymnody	2
ChMu 411 Christian Liturgy	3
ChMu 431 Liturgical Church Music Administration	2
ScMu 328 Methods of Elementary Music	3
Theo 241/242/251/252 Biblical Interpretation	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
Principal instrument	14
Ensembles (may audit)	8

Required in each of 8 semesters. Must have at least one each of choral ensemble, praise band and hand bells. The number of hours is reduced by up to 8 if ensembles are audited.

Recital attendance (see *Music Student Handbook*)

Voice Proficiency: Satisfy level of MuAp 151

Keyboard Proficiency: pass keyboard prof. exam

Piano or Organ proficiency: Satisfy level of MuAp 271 or MuAp 281

Organ Principal only:

ChMu 213 Literature of the Organ	1
ChMu 315 Organ Registration	1
MuAp 182 Service Playing	1
MuAp 383 Organ Improvisation	1
MuAp 384 Organ Accompanying	1

**Total Hours: 85-90**

### Music Education

#### K-12 Vocal and Instrumental

Course Number/Title	Credit Hours
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
Mu 202 Aural Skills III	2
Mu 203 Music Theory III	3
Mu 204 Aural Skills IV	2
Mu 205 Music Theory IV	3
Mu 211 Music History to 1750	3
Mu 212 Music History since 1750	3
Mu 213 World Music	3
Mu 303 Arranging	2
Mu 331 Basic Conducting	2
Mu 332 Instrumental Conducting	2
Mu 333 Choral Conducting	2
Mu 334 Choral Literature and Development	2
Mu 354 Diction	2
Mu 493 Senior Project	1
ChMu 313 Christian Hymnody or ChMu 411 Christian Liturgy (3)	2
Educ 375 Methods in Secondary Music	2
ScMu 262 Techniques in Woodwinds	2
ScMu 263 Techniques in Brass	2
ScMu 264 Techniques in Percussion	2
ScMu 265 Techniques in Strings	2
ScMu 317 Instrumental Literature & Development	2
ScMu 328 Methods of Elementary Music	3
ScMu 361 Marching Band Techniques	1
ScMu 431 Org./Adm. of Elem. & Sec. Music	2
Principal instrument	10
Ensembles (may audit)	13
Select either (1) or (2):	
1. Symphonic Band or Concert Band (7) and Choral Ensembles (6)	
2. Choral Ensembles (7)	

and Symphonic Band or Concert Band (6)

The number of hours is reduced by up to 13 if ensembles are audited.

Keyboard proficiency: pass keyboard prof. exam

Voice proficiency: satisfy level of MuAp 151

Recital attendance (see *Music Student Handbook*)

**Total Hours: 85-86\***

\*Must also complete the requirements for the Secondary Education program and, if relevant, the requirements for the Lutheran Teacher Diploma. See the Bachelor of Science in Education.

ChMu 174 Songwriting for Contemporary Worship	2
ChMu 282 Media in Contemporary Worship	2
MuAp 161 or 261 Guitar (depending on ability)	2
MuAp 171 or 271 Piano (depending on ability)	2

**Total Hours: 12**

## MINORS

### Contemporary Church Music

<u>Course Number/Title</u>	<u>Credit Hours</u>
ChMu 231 Contemp. Church Music Administration	1
ChMu 275 Hymn Adaptations	2
ChMu 282 Media in Contemporary Worship	2
Mu 103 Music Theory I	3
Mu 105 Music Theory II	3
Mu 331 Basic Conducting	2
MuAp 151 or 251 Voice (Based on Ability)	1
MuAp 161 or 261 Guitar (Based on Ability)	2
MuAp 171 or 271 Piano (Based on Ability)	2
Mu 252 University Praise Band	1
Applied Music Study	1
Additional Ensembles (except Praise Band)	2

**Total Hours: 22**

### Music (Minor)

<u>Course Number/Title</u>	<u>Credit Hours</u>
Mu 102 Aural Skills I	2
Mu 103 Music Theory I	3
Mu 104 Aural Skills II	2
Mu 105 Music Theory II	3
One course from:	3
Mu 211 Music History to 1750	
Mu 212 Music History since 1750	
Mu 213 World Music	
Music Electives	3
Applied music (in one area)	4
Ensembles (may audit)	4

The number of hours is reduced by up to 4 if ensembles are audited.

**Total Hours: 24**

### Worship Arts

<u>Course Number/Title</u>	<u>Credit Hours</u>
Theo 382 Theology of Corporate Worship	3
Mu 252 University Praise Band	1

## DEPARTMENT OF SCIENCE

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

Bachelor of Science

### Majors

Biology

Chemistry

Environmental Science

Environmental Studies

Natural Science (Comprehensive)

Physical Science

Physical Science (Comprehensive)

Physical Science Studies

Physics

### Minors

Biology

Chemistry

Environmental Studies

Physical Science

Physics

## BIOLOGY

The B.A. or B.S. 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.

### Biology (B.A.)

Course Number/Title	Credit Hours
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 399 Research in Biology or Bio 498 Biology Internship	3
Biology electives	25
Biology courses chosen in consultation with advisor to include at least nine hours of upper-level (300 and 400 level) biology courses; may include Chem 345 Biochemistry.	

**Total Hours: 36**

### Biology (B.S.)

Biology Core (38 hours)

Course Number/Title	Credit Hours
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 208 General Genetics	4
Math 122 Introduction to Statistics	3
Math 184 Calculus I or Math 182 Calculus with Applications (3)	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Chem 115 General Chemistry	4
Chem 231 Organic Chemistry I	4
Bio 399 Research in Biology or Bio 498 Biology Internship	3

Biology Emphasis (25-27 hours)

Choose one emphasis below:

*Cellular and Molecular Biology Emphasis (26 hours)*

Course Number/Title	Credit Hours
Bio 319 Cell and Molecular Biology	3
Bio 344 Human Anatomy and Physiology II	4
Bio 351 General Microbiology	4
Bio 489 Immunology	3
Chem 345 Introductory Biochemistry	4
Additional Electives	8

*Organismal Biology Emphasis (25 hours)*

Course Number/Title	Credit Hours
Bio 122 General Zoology	3

Bio 225 Vertebrate Anatomy & Morphology	3
Bio 317 Ecology and Field Biology	3
Bio 345 Midwest Floral Identification	3
One Biology Study Tour (Bio 36_)	3
Biology Electives*	10

\*may include Chem 345

#### *Forensic Science Emphasis (25 hours)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 230 Introduction to Forensic Science	3
Bio 231 Introduction Forensic Science Lab	1
Bio 330 Advanced Forensic Science	3
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 325 Quantitative Analytical Chemistry	4
Soc 321 Criminology	3
Additional electives*	7

\*May include: Bio 317, 319, 345, 351; Chem 313, 331, 345; Geog 361

#### *Environmental Biology Emphasis (26 hours)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 317 Ecology and 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*	7

\*may include Chem 345

#### *Conservation Biology Emphasis (27 hours)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 317 Ecology and Field Biology	3
Bio 345 Midwest Floral Identification	3
Bio 377 Conservation Biology	3
One Biology Study Tour (Bio 36_)	3
Sci 315 Environmental Science	3
Supporting Courses*	12

\*CS 121 (or higher level), CTA 211, Econ 101, 102, Eng 221, Geog 202, 361, PS 111, Soc 221, Bus 300. Take a minimum of 12 hours from these courses which also may fulfill general education requirements.

#### *General Biology Emphasis (26 hours)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Electives from Biology*	26

\*May include Chem 116, 325, 331, 345). Student and advisor choose electives.

**Total Hours: 63-65**

### **Biology (Minor)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 110 Principles of Biology	4
15 Hours of Biology courses above 112	15

OR

Bio 111 General Biology I	4
Bio 112 General Biology II	4
11 Hours of Biology courses above 112	11

**Total Hours: 19**

### **CHEMISTRY**

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.

### **Chemistry (B.A.)**

#### Chemistry Core (28 hours)

<u>Course Number/Title</u>	<u>Credit Hours</u>
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 353 Physical Chemistry	3
Chem 355 Physical Chemistry Laboratory	1
Phys 111 General Physics I	4
Math 184 Calculus I	4
Math 186 Calculus II	4

#### Electives (16 hours)

*Electives from:*

<u>Course Number/Title</u>	<u>Credit Hours</u>
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 Laboratory II (1)	



Phys 112 General Physics II (4)  
 Phys 211 General Physics I Calculus Topics (1)  
 Phys 212 General Physics II Calculus Topics (1)

**Total Hours: 44**

### Chemistry (B.S.)

Chemistry Core (28 hours) – See B.A.

Chemistry (31-32 hours)

Course Number/Title	Credit 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 Laboratory II	1
Phys 112 General Physics II	4
Phys 211 General Physics I Calculus Topics	1
Phys 212 General Physics II Calculus Topics	1

Electives (6-7 hours)

*Electives from:*

Course Number/Title	Credit Hours
Bio 208 General Genetics (4)	
Bio 319 Cell and Molecular Biology (3)	
Bio 489 Immunology (3)	
CS 131 Computer Programming I (3)	
Chem 399 Chemistry/Biochemistry Internship (3)	
Math 284 Calculus III (4)	
Math 322 Foundations of Statistics (3)	
Math 333 Linear Algebra (3)	
Math 384 Differential Equations (3)	

**Total Hours: 59-60**

### Chemistry (Minor)

Course Number/Title	Credit Hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
300-level Chemistry courses	6-8

**Total Hours: 18-20**

## ENVIRONMENTAL SCIENCE/STUDIES

The environmental science program is designed to equip students with the knowledge and skills for careers or continuing education in environmental science fields. The program is intentionally diverse, providing students with an understanding of the economic, social, scientific, and political factors influencing environmental decision making. The purpose is to produce students with the breadth of

knowledge and skills to pursue a variety of careers in environmental science. The curriculum leading to a Bachelor of Arts degree in Environmental Science includes a set of core courses plus one of four emphases while the Bachelor of Arts in Environmental Studies includes only the core courses.

### Environmental Science (B.A.)

Core Requirements (49 hours)

Course Number/Title	Credit Hours
Econ 102 Principles of Microeconomics	3
Bio 112 General Biology II	4
Bio 317 Ecology and Field Biology	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Chem 115 General Chemistry	4
CTA 301 Public Relations	3
Geog/ESci 281 Physical Geography and Geology	4
Geog/ESci 315 Environmental Science	3
Geog/ESci 361 Intro. to Geographic Info. Systems	3
Geog/ESci 385 Introduction to GPS	3
Math 122 Introduction to Statistics	3
Phys 110 Principles of Physics	4
ESci 351 Environmental Law and Policy	3
ESci 498 Environmental Science Internship	1-3

Emphasis-Choose One (18-20 hours)

*Biology/Natural Resources Emphasis*

Course Number/Title	Credit Hours
Select from:	19-20
Bio 111 General Biology I (4)	
Bio 122 General Zoology (3)	
Bio 225 Vertebrate Anatomy & Morphology (3)	
Bio 345 Midwest Floral Identification (3)	
Bio 351 General Microbiology (4)	
Bio/ESci 36X Ecology/Nat. Hist. Study Tours (3-6)	
Bio/ESci 377 Conservation Biology (3)	
Bio 399 Research in Biology (1-3)	
Geog/ESci 461 Adv. Geographic Info. Systems (3)	

*Chemistry Emphasis*

Course Number/Title	Credit Hours
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Select remaining hours from:	11-12
Chem 313 Advanced Inorganic Chemistry (3)	
Chem 325 Quantitative Analytical Chemistry (4)	
Chem 331 Organic Chemistry II (4)	
Chem 345 Introductory Biochemistry (4)	

*Geography Emphasis*

Course Number/Title	Credit Hours
Select from:	18

Geog 311 Geography of North America (3)  
 Geog/ESci 291 Geog. of Sports & Outdoor Rec. (3)  
 Geog/ESci 320 Resource Manag. Nation. Parks (3)  
 Geog 381 Meteorology and Oceanography (3)  
 Geog 391 Urban Geography (3)  
 Geog/ESci 461 Adv. Geographic Info. Systems (3)  
 Geog 490 Capstone Seminar (3)

*Business Emphasis*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Art 145 Digital Imaging	3
Bus 121 Financial Accounting	3
Bus 343 Operations Management	3
Bus 366 Marketing Research	3
Bus 371 Information Systems	3
Bus 400 Business Ethics	3
Geog/ESci 461 Adv. Geographic Info. Systems	3

**Total Hours: 67-69**

**Environmental Studies (B.A.)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Econ 102 Principles of Microeconomics	3
Bio 112 General Biology II	4
Bio 317 Ecology and Field Biology	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Chem 115 General Chemistry	4
CTA 301 Public Relations	3
CS 121 Programming and Applications	3
Geog/ESci 281 Physical Geography and Geology	4
Geog/ESci 315 Environmental Science	3
Geog/ESci 361 Intro. to Geographic Info. Systems	3
Math 122 Introduction to Statistics	3
Phys 110 Principles of Physics	4
ESci 351 Environmental Law and Policy	3
Bio/ESci 377 Conservation Biology	3
ESci 498 Environmental Science Internship	1-3

**Total Hours: 50-52**

**Environmental Studies (Minor)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 317 Ecology and Field Biology	3
Geog/ESci 281 Physical Geography and Geology	4
Geog/ESci 315 Environmental Science	3
Geog/ESci 361 Intro. to Geographic Info. Systems	3
Geog/ESci 385 Introduction to GPS	3
ESci 351 Environmental Law and Policy	3
Bio/ESci 36_ Ecology & Nat. History Study Tours	3
Geog/ESci 320 Resource Manage. National Parks	3
Bio/ESci 377 Conservation Biology	3

**Total Hours: 28**

**PHYSICAL/NATURAL SCIENCES**

The physical and natural science majors are designed to enable students to pursue careers or further study in areas combining physics, chemistry, and/or biology. 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 sciences, with an emphasis on the connections and relationships among chemistry, physics, and biology. Students in the program have the option to earn a B.A. major in physical science studies, a comprehensive B.A. in physical or natural 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.

**Natural Science-Comprehensive (B.A.)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Seven hours of electives from:	7
Bio 208 General Genetics (4)	
Bio 317 Ecology and Field Biology (3)	
Bio 343 Human Anatomy and Physiology I (4)	
Bio 351 General Microbiology (4)	
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Three credit hours of 300-level chemistry	3
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 381 Modern Physics	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear & Particle Physics	3
Sci 281 Physical Geography and Geology	4
Sci 331 Descriptive Astronomy	3
Math 184 Calculus I	4
Math 186 Calculus II	4

**Total Hours: 60**

**Physical Science Studies (B.A.)**

Physical Science Core (23 hours)

Course Number/Title	Credit Hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic & 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

Physical Science Courses (10-18 hours)

Course Number/Title	Credit Hours
Chem 313 Advanced Inorganic Chemistry	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear & Particle Physics	3
Sci 331 Descriptive Astronomy	3
Math 184 Calculus I (prereq. for Phys 381)	4
Math 186 Calculus II (recommended)	(4)

**Total Hours: 37-41****Physical Science – Comprehensive (B.A.)**Physical Science Core (23 hours) – *See above*

Physical Science Courses (36 hours)

Course Number/Title	Credit Hours
Chem 313 Advanced Inorganic Chemistry	3
Chem 331 Organic Chemistry II	4
Chem 353 Physical Chemistry	3
Chem 355 Physical Chemistry Laboratory	1
Phys 321 Introductory Mechanics	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear & 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

**Total Hours: 59****Physical Science (B.S.)**Physical Science Core (23 hours) – *See above*

Physical Science Courses (36 hours)

Course Number/Title	Credit 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 & Particle Physics	3
or Phys 371 Electronics	

Math 184 Calculus I	4
Math 186 Calculus II	4
Math 284 Calculus III	4
Math 384 Differential Equations	3
Electives from options A, B, or C:	3
<i>A: Advanced Labs – Chem 355, 356; Phys 382</i>	
<i>B: Advanced Inorganic Chemistry – Chem 313</i>	
<i>C: Electricity and Magnetism – Phys 390</i>	

**Total Hours: 59****Physical Science (Minor)**

Course Number/Title	Credit Hours
Eight hours of General Chemistry	8
Eight Hours of General Physics	8
Chem 231 Organic Chemistry I	3
or and/or Phys 381 Modern Physics	

**Total Hours: 19****PHYSICS**

The physics major is designed to enable students to pursue careers or further study in physics or related areas such as engineering or astronomy. The program provides students with a strong foundation in the conceptual and quantitative aspects of physics, with an emphasis on the connections and relationships between physics and mathematics. Electives allow the student to gain additional background in Chemistry, Mathematics, or Computer Science. This program is particularly suited for those individuals who wish to pursue graduate work in physics or related fields.

**Physics (B.S.)**

Physics Core (63 hours)

Course Number/Title	Credit Hours
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 211 General Physics I Calculus Topics	1
Phys 212 General Physics II Calculus Topics	1
Phys 321 Introductory Mechanics	3
Phys 353 Thermodynamics	3
Phys 354 Quantum Mechanics	3
Phys 371 Electronics	3
Phys 381 Modern Physics	3
Phys 382 Advanced Physics Lab	1
Phys 383 Nuclear and Particle Physics	3
Phys 390 Electricity and Magnetism	3
Phys 399 Research in Physics	2
or substitute Phys 498 Physics Internship	
Chem 115 General Chemistry I	4

Chem 116 General Inorganic & Qualitative Analysis	4
Math 184 Calculus I	4
Math 186 Calculus II	4
Math 284 Calculus III	4
Math 322 Foundations of Statistics	3
Math 384 Differential Equations	3
CS 131 Computer Programming I	3

**Electives (6-7 hours)***Electives from:*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Chem 231 Organic Chemistry I (4)	
CS 141 Computer Programming II (3)	
CS 241 Introduction to Computer Organization (3)	
CS 390 Seminar in Computer Science (3)	
CS 324 Computer Graphics (3)	
CS 344 Data Structures and Algorithm Analysis (3)	
CS 348 Discrete Structures (3)	
Math 321 Numerical Analysis (3)	
Math 333 Linear Algebra (3)	
Math 475 Mathematical Modeling (3)	

**Total Hours: 69-70****Physics (Minor)**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 381 Modern Physics	3
Phys 382 Advanced Physics Lab	1
Six hours of Physics courses above 200-level	6

**Total Hours: 18**

## DEPARTMENT OF SOCIAL SCIENCE

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

### Majors

Behavioral Science

Criminal Justice

Geography

History

Psychology

### Minors

Criminal Justice

Geography

Gerontology

History

Psychology

Sociology

## BACHELOR OF ARTS

### Behavioral Science

Course Number/Title	Credit Hours
Psy 101 Introduction to Psychology	3
Soc 101 Introduction to Sociology	3
Soc 201 Cultural Anthropology	3
Soc 221 Social Problems	3
Soc/Psy 306 Introduction to Psych/Social Research	3
Soc 345 Social Psychology	3
Soc 361 Social Theory	3
Math 122 Introduction to Statistics	3
Psy 445 Abnormal Psychology	3
Psy 451 Personality Theory	3
Electives from:	9
Soc 321 Criminology (3)	
Soc 322 Criminal Justice (3)	
Soc 331 The Family (3)	
CTA 203 Communication Theory (3)	
CTA 309 Small Group Theory (3)	
CTA 333 Intercultural Communication (3)	
Psy 221 Lifespan Development (3)	
Psy 241 Child Psychology (3)	
Psy 385 Psy./Soci. Analysis Modern Lit. (3)	
Psy 421 Adolescent Psychology & Develop. (2-3)	
Psy 442 Introduction to Counseling (3)	
<b>Total Hours: 39</b>	

### Criminal Justice

Course Number/Title	Credit Hours
CJ 101 Introduction to Criminal Justice	3
CJ 200 Introduction to Law Enforcement	3
CJ 300 Criminal Investigations	3
CJ/Soc 321 Criminology	3
CJ/Soc 325 Special Topics in Criminal Justice	3
CJ 350 Overview of the American Legal System	3
CJ 400 Ethics in Criminal Justice	3
CJ 481 Criminal Justice Internship	3
Electives—Select from the following:	12
Art 235 Basic Digital Photography (3)	
Bio 230 Introduction to Forensic Science (3)	
Bio 231 Introduction to Forensic Science Lab (1)	
Bio 330 Advanced Forensic Science (3)	
HHP 281 Health Topics: Drug Education (1)	
Hist 487 U. S. Constitutional History (3)	
Soc 221 Social Problems (3)	
Soc 331 The Family (3)	
Psy 421 Adolescent Psych. & Development (2-3)	
Psy 445 Abnormal Psychology (3)	
Geog 361 Intro to Geographic Information Syst. (3)	
CTA 333 Intercultural Communication (3)	
<b>Total Hours: 36</b>	

**Geography**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Geog 101 Introduction to Human Geography and/or Geog 202 World Regional Geography	3-6
Geog 281 Physical Geography and Geology	4
Geog 361 Intro to Geographic Information Systems	3
Geog 385 Introduction to GPS	3
Upper-level Geography courses*	15-18

*\*may include courses taken at the University of Nebraska-Lincoln by consortium arrangement.*

**Total Hours: 31****History**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Hist 115 United States History	3
Hist 131 World Civilization I	3
Hist 132 World Civilization II	3
Hist 491 Senior Seminar in History	3
Eight upper-level history elective courses	24

**Total Hours: 36****Psychology**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Psy 101 Introduction to Psychology	3
Psy 221 Lifespan Development	3
Psy 306 Introduction to Psych/Social Research	3
Psy 341 Group Techniques	3
Psy 345 Social Psychology	3
Psy 442 Introduction to Counseling	3
Psy 445 Abnormal Psychology	3
Psy 451 Personality Theory	3
Math 122 Introduction to Statistics	3
Three hours from developmental courses:	3
Psy 421 Adolescent Psych. & Develop. (3)	
Gero 205 Adult Development and Aging (3)	
Psy 211 Child Develop. & Psych.(2) AND Psy 212 Child Development & Psych.: Young Children (1)	
Three hours from capstone courses:	3
Psy 406 Applied Research (3)	
Psy 481 Internship in Psychology (3)	
Psy 490 Capstone Seminar (3)	
Six hours from elective courses:	6
300/400-level Psychology courses (3-6)	
Bio 207 Human Genetics: Apps. & Issues (3)	
Bio 243 Elements Human Anat. & Phys. (4)	
Bio 371 The Biology of the Brain (3)	
CJ/Soc 321 Criminology (3)	
Gero 403 Mental Health and Aging (3)	
HHP 480 Health and Human Sexuality (3)	
Soc 331 The Family (3)	
Soc 333 Social Gerontology (3)	

Theo 483 Sexuality and the Family (3)

**Total Hours: 39****MINORS****Criminal Justice**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CJ 101 Introduction to Criminal Justice	3
CJ/Soc 321 Criminology	3
Nine hours from:	9
Bio 230 Introduction to Forensic Science (3)	
Bio 231 Introduction to Forensic Science Lab (1)	
Bio 330 Advanced Forensic Science (3)	
CJ 200 Introduction to Law Enforcement (3)	
CJ 300 Criminal Investigations (3)	
CJ/Soc 325 Special Topics in Criminal Justice (3)	
CJ 350 Overview of the American Legal System (3)	
CJ 400 Ethics in Criminal Justice (3)	
CJ 481 Criminal Justice Internship (3)	

Three hours (recommended) from: 3

Soc 221 Social Problems (3)	
Soc 331 The Family (3)	
Psy 421 Adolescent Psych & Development (3)	
Psy 445 Abnormal Psychology (3)	
Psy/Soc 490 Capstone Seminar (3)	
Art 235 Basic Digital Photography (3)	
Any course from required list not already taken (3)	

*Note: Internship and Capstone Seminar must be related to criminology or criminal Justice.***Total Hours: 18****Geography**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Geog 101 Introduction to Human Geography and/or Geog 202 World Regional Geography	3-6
Geog 281 Physical Geography and Geology	4
Nine to Twelve hours of geography electives	9-12

**Total Hours: 19****Gerontology**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Gero 205 Adult Development and Aging	3
Gero 401 Health Aspects of Aging	3
Gero 402 Social Gerontology	3
Gero 403 Mental Health and Aging	3
Gero 419 Death, Dying and Trauma	3
Gero 499 Practicum	3

Practicum includes 156 hours over the last year of the program. Additional option for the fulfillment of this application project may include major/minor-

based internship/practicum completed with older adults.

**Total Hours: 18**

**History**

Course Number/Title	Credit Hours
Hist 115 United States History	3
Hist 131 World Civilization I	3
Hist 132 World Civilization II	3
Six hours upper-level U.S. History electives	6
Three hours upper-level non-U.S. History electives	3

**Total Hours: 18**

**Psychology**

Course Number/Title	Credit Hours
Psy 101 Introduction to Psychology	3
Three hours from:	3
Psy 221 Lifespan Development (3)	
Psy 241 Child Psychology (3)	
Psy 421 Adolescent Psych. & Development (3)	
Three hours from:	3
Psy 341 Group Techniques (3)	
Psy 442 Introduction to Counseling (3)	
Psy 445 Abnormal Psychology (3)	

Nine hours of Psychology electives 9

Tracks: The following are recommended courses for students pursuing employment or graduate studies in the areas of Art Therapy, Health Professions, or Human Services. *Psychology course requirements for graduate programs vary greatly. Check program requirements for all programs that you will be applying to and take courses accordingly.*

*Art Therapy Track*

Course Number/Title	Credit Hours
Psy 101 Introduction to Psychology	3
Psy 221 Lifespan Development	3
Psy 442 Introduction to Counseling	3
Psy 445 Abnormal Psychology	3
Three hours of Psychology electives	3

*Health Professional Track*

(Pre-med, pre-nursing, pre-physical therapy, etc.)

Course Number/Title	Credit Hours
Psy 101 Introduction to Psychology	3
Psy 221 Lifespan Development	3
Psy 445 Abnormal Psychology	3
Nine hours of Psychology electives	9

*Helping Professional Track*

(Pre-sem, pre-social work, pre-physical therapy, etc.)

Course Number/Title	Credit Hours
Psy 101 Introduction to Psychology	3
Psy 341 Group Techniques	3

Psy 442 Introduction to Counseling	3
Psy 445 Abnormal Psychology	3
Six hours of Psychology electives	6

**Total Hours: 18**

**Sociology**

Course Number/Title	Credit Hours
Soc 101 Introduction to Sociology	3
Soc 331 The Family	3
Twelve hours of sociology electives	12

**Total Hours: 18**

## DEPARTMENT OF THEOLOGY

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Degrees

Bachelor of Arts

### Majors

Theology

### Minors

Biblical Languages

Philosophy

Theology

Urban Ministry

Youth Ministry

## BACHELOR OF ARTS

### Theology

Course Number/Title	Credit Hours
One Biblical Interpretation course from:	3
Theo 241 Selected O.T. Prophetic Books (3)	
Theo 242 Selected Psalms (3)	
Theo 251 Selected Pauline Epistles (3)	
Theo 252 Gospels (3)	
Theo 331 Studies in the Life of Christ or Theo 418 From Exile to Christ	3
Theo 450 Understanding and Teaching the Bible	3
One course from:	3
Phil 301 Concepts in Philosophy (3)	
Phil 311 History of Philosophical Thought I (3)	
Phil 312 History of Philosophical Thought II (3)	
Two courses from:	6
Theo 361 Christian Doctrine I (3)	
Theo 362 Christian Doctrine II (3)	
Theo 363 The Lutheran Confessions (3)	
Two courses from:	6
Hist 313 Religion & Society in the U.S. (3)	
Hist 334 Early and Medieval Christianity (3)	
Hist 335 Renaissance and Reformation (3)	
Theo 371 History of Christian Thought (3)	
Theo 375 Christian Denom. & Religious Move. (3)	
Two courses from:	6
Theo 333 Devotion to Christ (3)	
Theo 382 Theology of Corporate Worship (3)	
Theo 385 Parish Visitation and Evangelism (3)	
Theo 390 World Religions (3)	
Theo 460 Factors in Congregational Growth (3)	
Theo 465 Christian Ethics (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 483 Sexuality and the Family (3)	
Theo 489 Ministry in a Changing World (3)	

**Total Hours: 30**

### MINORS

#### Biblical Languages

Course Number/Title	Credit Hours
Grk 410 Acts	3
Grk 420 Pauline Epistles	3
Grk 430/Heb 440 Text. Criticism & Intertest. Relat.	3
Heb 410 Latter Prophets	3
Heb 420 Exodus and Deuteronomy	3
Heb 430 Psalms and Wisdom Literature	3

**Total Hours: 18**



**Philosophy**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Phil 301 Concepts in Philosophy	3
Phil 311 History of Philosophical Thought I	3
Phil 312 History of Philosophical Thought II	3
Phil 319 Introduction to Symbolic Logic	3
Phil 499 Honors Course	3
Theo 390 World Religions	3

**Total Hours: 18****Theology**

<u>Course Number/Title</u>	<u>Credit Hours</u>
Theo 331 Studies in the Life of Christ	3
or Theo 450 Understanding and Teaching Bible	
Hist 313 Religion & Society in the U.S.	3
or Theo 375 Christian Denom. & Relig. Move. (3)	
Two courses from:	5-6
Theo 381 Christian Teacher's Ministry (2)	
Theo 382 Theology of Corporate Worship (3)	
Theo 390 World Religions (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 489 Ministry in a Changing World (3)	

**Total Hours: 11-12****Urban Ministry**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 203 Communication Theory	3
or CTA 333 Intercultural Communication (3)	
Econ 101 Principles of Macroeconomics	3
or Econ 102 Principles of Microeconomics (3)	
Geog 391 Urban Geography	3
Soc 312 Urban Sociology	3
or Soc 481 Internship in Sociology (3)	
Soc 331 The Family	3
Theo 375 Christian Denom. & Religious Move.	3
or Theo 390 World Religions (3)	
Theo 465 Christian Ethics	3

**Total Hours: 21****Youth Ministry**

<u>Course Number/Title</u>	<u>Credit Hours</u>
CEL 388 Youth Ministry Theory and Methods	3
Psy 421 Adolescent Psychology & Development	3
Six hours from:	6
Psy 341 Group Techniques (3)	
Psy 442 Introduction to Counseling (3)	
HHP 367 Recreational Programming (3)	
Theo 382 Theology of Corporate Worship (3)	
Theo 482 Nurturing Faith Family, Schl., Cong. (3)	
Theo 483 Sexuality and the Family (3)	

**Total Hours: 12**

## PRE-SEMINARY PROGRAM

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 (34 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:

#### Greek (14 hours)

<u>Course Number/Title</u>	<u>Credit Hours</u>
Grk 101 Greek I	4
Grk 201 Greek II	4
Grk 301 Greek III	3
Grk 401 Greek IV	3

#### Hebrew (11 hours)

<u>Course Number/Title</u>	<u>Credit Hours</u>
Heb 101 Biblical Hebrew I	4
Heb 201 Biblical Hebrew II	4
Heb 301 Biblical Hebrew III	3

#### Philosophy (6 hours)

Choose from any course with a Phil prefix, but Phil 311 & 312 are recommended:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Phil 311 History of Philosophical Thought I	3
Phil 312 History of Philosophical Thought II	3

#### Public Speaking (3 hours)

<u>Course Number/Title</u>	<u>Credit Hours</u>
CTA 211 Public Speaking	3

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.

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 120 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 admission interview with the pre-seminary program director.

## **DISMISSAL FROM THE PROGRAM**

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

1. have a cumulative GPA 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.

## **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.

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours.

### Pre-Deaconess Core

<u>Course Number/Title</u>	<u>Credit Hours</u>
Theo 251 Interp. of Selected Pauline Epistles or Theo 252 Interp. of the Gospels	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
Theo 450 Understanding and Teaching the Bible	3
CTA 211 Public Speaking	3
CTA 309 Small Group Theory	3
Soc 331 The Family	3
Psy 442 Introduction to Counseling	3
Select from recommended courses:	6
Phil 311 History of Philosophical Thought I (3)	
Phil 312 History of Philosophical Thought II (3)	
Theo 381 Christian Teacher's Ministry (2)	
Theo 382 Theology of Corporate Worship (3)	
Theo 385 Parish Visitation & Evangelism (3)	
Theo 483 Sexuality and the Family (3)	
CEL 487 Planning Adult Educ. in Parish (3)	
Soc 221 Social Problems (3)	
Soc 335 Sociology of Religion (3)	
Gero 205 Adult Development and Aging (3)	
Hist 313 Religion & Society in the U.S. (3)	
Hist 335 Renaissance and Reformation (3)	
CEL 388 Youth Ministry Theory & Meth. (3)	
CEL 483 Leadership Development (3)	
CEL 484 Confirmation Plan. & Implem. (2)	
CEL 485 Parish Education Prog. Admin. (3)	
Grk 101 Greek I (4)	
Grk 201 Greek II (4)	
Heb 101 Biblical Hebrew I (4)	
Heb 201 Biblical Hebrew II (4)	

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

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-Athletic Training

A bachelor's degree is required for admission to the entry level professional program in athletic training. Majors in exercise science, biology, or other related fields are desirable; however, it is not mandatory as long as prerequisites for admission are met. Students should check specific requirements for the schools in which they are interested. The following are prerequisites for the University of Nebraska-Omaha:

Course Number/Title	Credit Hours
Bio 244 Nutrition	3
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
HHP 100 Lifetime Wellness	3
HHP 270 Human Performance Lab. Techniques	2
HHP/Psy 295 Physiology of Exercise	3
HHP 395 Biomechanics	3
Psy 101 Introduction to Psychology	3

### Pre-Chiropractic

The minimum is a three-year program, but most successful applicants have a bachelor's degree.

Courses include:

Course Number/Title	Credit Hours
Bio 111 General Biology I	4
Bio 112 General Biology II	4
English Courses (at least three hours composition)	6
Humanities/Social Sciences Courses	15
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Psy 101 Introduction to Psychology	3
Bio 251 Medical Terminology	2
Electives	32

*Strongly recommended:*

- Bio 208 General Genetics (4)
- Bio 319 Cell and Molecular Biology (3)
- Bio 343 Human Anatomy and Physiology I (4)
- Bio 344 Human Anatomy and Physiology II (4)
- Bio 489 Immunology (3)
- Bus 261 Marketing (3)
- Econ 101 Principles of Macroeconomics (3)
- Small business management (available at local community colleges)

### Pre-Clinical Laboratory Science

This is normally a three-year program. Courses include:

Course Number/Title	Credit Hours
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 208 General Genetics	4
Bio 351 General Microbiology	4
Bio 489 Immunology	3
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 345 Introductory Biochemistry	4
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Math 122 Introduction to Statistics	3
Math 132 Intermediate Algebra (or higher level)	3

**Electives 41**

(Including broad general educ. background)

*Strongly Recommended:*

Bio 343 Human Anatomy and Physiology I (4)

Bio 344 Human Anatomy and Physiology II (4)

*Recommended:*

Physics and additional biology & chemistry

**Pre-Clinical Perfusion Science**

A bachelor's degree is required for admission to professional programs in this field. Courses should include:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Bio 351 General Microbiology	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 345 Introductory Biochemistry	4
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Mathematics (College Algebra or higher)	6
One Physics course:	3-4
Phys 109 Introductory Physics (3)	
Phys 110 Principles of Physics (4)	
Phys 111 General Physics I (4)	
Social Sciences	6

**Pre-Cytotechnology**

A bachelor's degree is required for admission to professional programs in this field. Courses should include:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
At least four hours from:	4
Bio 208 General Genetics (4)	
Bio 271 Introductory Embryology (3)	
Bio 319 Cell and Molecular Biology (3)	
Bio 351 General Microbiology (4)	
Bio 489 Immunology (3)	
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Mathematics	3

**Pre-Dental**

Normally this is a four-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:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 331 Organic Chemistry II	4
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Phys 111 General Physics I	4
Phys 112 General Physics II	4

**Pre-Dental Hygiene**

This is normally a two-year program. Courses should include:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 110 Principles of Biology or Bio 111 General Biology I or Bio 112 General Biology II	4
Bio 244 Nutrition	3
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Bio 351 General Microbiology	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Eng 102 Experiences in Writing	3
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Humanities/Arts	6
Psy 101 Introduction to Psychology	3
Social/Behavioral Sciences	3
Soc 101 Introduction to Sociology	3
12-hour series with same course prefix	12

**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)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Math 184 Calculus I	4
Math 186 Calculus II	4
Math 284 Calculus III	4
Math 322 Foundations of Statistics	3
Math 384 Differential Equations	3
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 331 Organic Chemistry II	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 211 General Physics I Calculus Topics	1
Phys 212 General Physics II Calculus Topics	1
CS 131 Computer Programming I	3
Other General Education	

*Two-Year Program (Non-Chemical)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Math 184 Calculus I	4
Math 186 Calculus II	4
Math 284 Calculus III	4
Math 322 Foundations of Statistics	3
Math 384 Differential Equations	3
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 211 General Physics I Calculus Topics	1
Phys 212 General Physics II Calculus Topics	1
Phys 321 Introductory Mechanics	3
Phys 381 Modern Physics	3
CS 131 Computer Programming I	3
CS 141 Computer Programming II	3
Other General Education	

*Three-Year Program (Non-Chemical)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Math 184 Calculus I	4
Math 186 Calculus II	4
Math 284 Calculus III	4
Math 321 Numerical Analysis	3
Math 322 Foundations of Statistics	3
Math 333 Linear Algebra	3
Math 384 Differential Equations	3
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Phys 111 General Physics I	4

Phys 112 General Physics II	4
Phys 211 General Physics I Calculus Topics	1
Phys 212 General Physics II Calculus Topics	1
Phys 321 Introductory Mechanics	3
Phys 381 Modern Physics	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear & Particle Physics	3
or Phys 390 Electricity and Magnetism	
CS 131 Computer Programming I	3
CS 141 Computer Programming II	3
CS 324 Computer Graphics	3
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 four-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:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 208 General Genetics	4
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 331 Organic Chemistry II	4
Chem 345 Introductory Biochemistry	4
English (at least three hours composition)	6
Humanities/Social Sciences	12-16
Math 122 Introduction to Statistics	3

Math 184 Calculus I	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4

### 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 one-year accelerated nursing program. Courses include:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 110 Principles of Biology or Bio 111 General Biology I or Bio 112 General Biology II	4
Bio 244 Nutrition	3
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Bio 351 General Microbiology	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Math 122 Introduction to Statistics	3
Psy 101 Introduction to Psychology	3
Soc 101 Introduction to Sociology	3
Soc 331 The Family	3
Free Electives	7-9
Human Growth and Development (available at most community colleges)	3
Ethics (available at most community colleges)	3

### Pre-Occupational Therapy

These are Creighton University's requirements and will normally require two years. Recommended courses include:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Creative Expression (Composition, Music, Art, Speech, Drama, etc.)	9
Critical Discovery (Math, Economics, Foreign Language)	12
Humanities	6
Natural Sciences (at least one biology course and one course with lab)	15
Social Sciences/ Psychology (At least one psychology course)	12
Theology/Philosophy	6

### Pre-Optometry

These are requirements from the ASCO website ([www.opted.org](http://www.opted.org)) which recommends 90 hours. Most successful applicants have a bachelor's degree. Student should check specific requirements for the schools in which they are interested.

Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Bio 351 General Microbiology	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 331 Organic Chemistry II	4
Chem 345 Introductory Biochemistry	4
English/Speech	6-9
Humanities	9
Math 122 Introduction to Statistics	3
Math 184 Calculus I	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Psy 101 Introduction to Psychology	3
Social Sciences	9
Electives	6

### Pre-Osteopathic Medicine

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

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 331 Organic Chemistry II or Chem 345 Introductory Biochemistry	4
English/Speech	6
Phys111 General Physics I	4
Phys 112 General Physics II	4

### Pre-Pharmacy

This is minimally a two-year program. Most successful applicants have a bachelor's degree. Courses include:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Accounting	3
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4



Chem 231 Organic Chemistry I	4
Chem 331 Organic Chemistry II	4
Econ 101 Principles of Macroeconomics or Econ 102 Principles of Microeconomics	3
English (Including Composition)	6
Math 122 Introduction to Statistics	3
Math 184 Calculus I	4
Phys 110 Principles of Physics or Phys 111 General Physics I or Chem 325 Quantitative Analytical Chemistry	4
Psy 101 Introduction to Psychology	3
Psychology/Social Sciences – additional hours	3
Electives to complete 60 to 63 hours, depending on program. For Creighton, include 6 hours theology.	

### Pre-Physical Therapy

This is minimally a three-year program. Most successful applicants have a bachelor's degree. Courses include:

Course Number/Title	Credit Hours
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
English (Including Composition)	6
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Three additional upper-level courses in a major area of study	9-12

Electives to complete 60 to 63 hours, depending on program. 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/programs/dpt](http://www.cuw.edu/programs/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:

Course Number/Title	Credit Hours
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Bio 351 General Microbiology	4

Bio 489 Immunology	3
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 345 Introductory Biochemistry	4
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Math 122 Introduction to Statistics	3
Math 184 Calculus I	4
Psy 101 Introduction to Psychology	3
Psy 445 Abnormal Psychology	3
Additional Psychology elective	3

### 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:

Course Number/Title	Credit Hours
Bio 111 General Biology I or Bio 112 General Biology II	4
Chem 115 General Chemistry	4
Eng 102 Experiences in Writing	3
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Humanities/Social Sciences	6
Math 122 Introduction to Statistics	3
Additional math course (college algebra or higher)	3
Phys 111 General Physics I	4
Bio 251 Medical Terminology	2
Electives as required by specific programs	
For Radiation Therapy add:	
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
CS 121 Programming and Applications	3

### 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.

Course Number/Title	Credit Hours
Behavioral Science Major	39
SW 201 Introduction to Social Work	3
SW 311 Social Work Internship I	3
SW 312 Social Work Internship II	3

Supporting courses 9

A minimum of nine hours selected from:

- Hist 417 African American History (3)
- Geog 391 Urban Geography (3)
- Bio 244 Nutrition (3)
- Bus 121 Financial Accounting (3)
- Bus 351 Human Resources Management (3)
- Bus 300 Business Law (3)
- Bus 443 Organizational Behavior (3)
- Span 101 Beginning Spanish I (3)
- Span 102 Beginning Spanish II (3)
- Span 201 Intermediate Spanish I (3)
- Span 202 Intermediate Spanish II (3)

Sociology and psychology courses not used in the behavioral science major may fulfill the supporting courses requirement.

### Pre-Veterinary

This is minimally a two-year program. Most successful applicants have a bachelor's degree. Courses include:

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bio 111 General Biology I	4
Bio 112 General Biology II	4
Bio 208 General Genetics	4
Bio 225 Vertebrate Anatomy & Morphology	3
Bio 343 Human Anatomy and Physiology I	4
Bio 344 Human Anatomy and Physiology II	4
Bio 351 General Microbiology	4
Chem 115 General Chemistry	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 331 Organic Chemistry II	4
Chem 345 Introductory Biochemistry	4
CTA 211 Public Speaking	3
Eng 221 Intermediate Writing	3
Eng 328 Creative Nonfiction Writing	3
Humanities/Arts/Social Sciences	12
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Electives to complete a minimum of 65 hours	

## **RESERVE OFFICERS TRAINING CORPS (ROTC)**

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. (Student is responsible for UNL fees.) 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](http://www.unl.edu/armyrotc) or 402-472-4269

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

## DEGREE COMPLETION PROGRAM (DCP)

The degree completion program is an accelerated degree program designed to meet the needs of adult learners. The program allows students to continue to work full time while attending class one night a week or online for approximately 22 months. The modular curriculum is designed specifically for adult learners who are motivated and committed to their education. Students who complete the program earn a Bachelor of Arts degree. The degree consists of the general education requirements and the major listed below. All degrees require a total of 120 credit hours. See the *graduate academic catalog* for more information.

### Degrees

Bachelor of Arts

Bachelor of Science in Nursing

### Majors

Business Administration

Professional Studies

## BACHELOR OF ARTS

### Business Administration

Course Number/Title	Credit Hours
Econ 104 Principles of Macroeconomics	3
Econ 103 Principles of Microeconomics	3
Bus 120 Financial Accounting	3
Bus 123 Managerial Accounting	3
Math 122 Introduction to Statistics	3
Bus 260 Marketing	3
Bus 280 Business Communication	3
Bus 299 Business Law	3
Bus 330 Finance	3
Bus 399 Internship	3
Bus 342 Operations Management	3
Bus 350 Human Resources Management	3
Bus 370 Information Systems	3
Bus 401 Business Ethics	3
Bus 444 Organizational Behavior	3
Bus 445 Strategic Management	3

**Total Hours: 48**

### Professional Studies

Professional Studies Core (24 hours)

Course Number/Title	Credit Hours
Math 122 Introduction to Statistics*	3
Econ 104 Principles of Macroeconomics*	3
HHP/Psy 290 Health Psychology*	3
CTA 309 Small Group Theory	3
CTA 333 Intercultural Communication*	3
Bus 342 Organizational Behavior	3
Bus 401 Business Ethics	3
400 Level Capstone Course**	3
Bus 445 Strategic Management or Gero 402 Social Gerontology or ECTA Special Topics	

\*Also fulfills General Education requirements

\*\*Capstone course for each student is based upon the emphasis(s) that a student has chosen as designed by the academic department.

Emphasis Area (12 hours)

#### *Business Emphasis*

Course Number/Title	Credit Hours
Bus 120 Financial Accounting	3
Bus 260 Marketing	3
Bus 350 Human Resource Management	3
One course from B.A. in Business Administration not already in the Professional Studies Program	3

*Communication Emphasis (Select 12 hours)*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Bus 280 Business Communication	3
Bus 261 Marketing	3
Bus 351 Human Resources Management	3
CTA 203 Communication Theory	3
CTA 306 Interpersonal Communication	3
Gero 422 Intergenerational Program. & Activities	3

*Gerontology Emphasis*

<u>Course Number/Title</u>	<u>Credit Hours</u>
Psy 221 Lifespan Development	3
or Gero 205 Adult Development and Aging	
Select 9 hours from:	9
Gero/HHP 401 Aspects of Health and Aging	
Gero 403 Mental Health & Aging	
Gero 418 Nutrition and the Older Adult	
Gero 419 Death, Dying and Trauma	

*Self-Directed Study*

The student selects and provides a rationale for their course selections. Nine hours must be 300 or 400 level classes; the SDS must be pre-approved by the student's advisor, the Program Director, and the Dean. The SDS must be filed with the Registrar's office.

**Total Hours: 36**

## **BACHELOR OF SCIENCE IN NURSING**

### **Nursing**

See the graduate academic catalog for admission information and retention criteria.

<u>Course Number/Title</u>	<u>Credit Hours</u>
Nur 400 Pathophysiology *	3
Math 122 Introduction to Statistics *	3
Nur 410 Prof. Roles, Issues, & Nursing Theories	3
Nur 415 Intro. Nurs. Resrch./Evid.-Based Practice	3
Nur 430 Issues of Aging and Longevity	3
Nur 484 Hlth Assess./Promot. Comty. Nurs.	5
Nur 485 Diverse & Vulnerable Pop.-Based Health	3
Nur 486 Nursing. Manag. & Servant Leadership	3
Nur 499 Practicum	4
Two courses from:	6
Nur 420 Forensic Nursing (3)	
Nur 426 Parish Nursing (3)	
Nur 427 Theories & Apps. Nursing Inform. (3)	

**Total Hours: 36**

\*Required supporting courses

## 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 website). For fee details see Required Fees under Financial Information or the online course schedule.*

### AMERICAN SIGN LANGUAGE

#### **ASL 101 Beginning American Sign Language I**

*3 credit hours*

This beginning course in American Sign Language (ASL) is designed for the person who has no experience in ASL. The course will focus on development of vocabulary and grammatical structures of ASL, receptive and expressive skill development, and the study of deaf culture.

#### **ASL 102 Beginning American Sign Language II**

*3 credit hours*

This course builds on ASL 101 by review and development of further vocabulary and grammatical skills in ASL. This course focuses on interpretive skills, receptive and expressive skill development, and the continuing study of deaf culture. Prerequisite: ASL 101 or program director consent.

#### **ASL 150 Special Topics in American Sign Language**

*3 credit hours*

This course offers students an opportunity to take classes in special topics areas related to American Sign Language with direct guidance from a qualified instructor. It provides intermediate and advanced students with a context in which to expand their expressive, receptive, and interpretive skills, and/or the opportunity to study American Sign Language structure, storytelling, and culture. Topic chosen and coursework decided upon in discussion with the instructor and program director. Prerequisite: ASL 102.

#### **ASL 201 Intermediate American Sign Language I**

*3 credit hours*

This intermediate course builds on ASL 102 by review, building of vocabulary and grammar knowledge in ASL, and continuing development of receptive and expressive skills in ASL. The main focus of the course is the development of active communication and interpretive skills and the use of

ASL within a social context. Prerequisite: ASL 102 or program director consent.

#### **ASL 202 Intermediate American Sign Language II**

*3 credit hours*

This final course in Concordia's ASL skill development sequence continues to build vocabulary and grammar knowledge in ASL and development of ASL receptive and expressive skills. The main focus of this course is the polishing of communicative and interpretive skills and practical practice in the use of interpretive skills in various social and institutional contexts. Prerequisite: ASL 201.

#### **ASL 250 Special Topics in American Sign Language**

*3 credit hours*

This course offers students an opportunity to take classes in special topics areas related to American Sign Language with direct guidance from a qualified instructor. It provides intermediate and advanced students with a context in which to expand their expressive, receptive, and interpretive skills, and/or the opportunity to study American Sign Language structure, storytelling, and culture. Topic chosen and coursework decided upon in discussion with the instructor and program director. Prerequisites: ASL 102, 150.

#### **ASL 350 Special Topics in American Sign Language**

*3 credit hours*

This course offers students an opportunity to take classes in special topics areas related to American Sign Language with direct guidance from a qualified instructor. It provides intermediate and advanced students with a context in which to expand their expressive, receptive, and interpretive skills, and/or the opportunity to study American Sign Language structure, storytelling, and culture. Topic chosen and coursework decided upon in discussion with the instructor and program director. Prerequisites: ASL 102, 250.

#### **ASL 450 Special Topics in American Sign Language**

*3 credit hours*

This course offers students an opportunity to take classes in special topics areas related to American Sign Language with direct guidance from a qualified instructor. It provides intermediate and advanced students with a context in which to expand their expressive, receptive, and interpretive skills, and/or the opportunity to study American Sign Language structure, storytelling, and culture. Topic chosen and

coursework decided upon in discussion with the instructor. Prerequisites: ASL 102, 350.

### **ASL 490 Practicum in American Sign Language**

*3 credit hours*

This practicum in ASL integrates knowledge of ASL and elements of what was learned through coursework into a supervised field experience which gives the student the opportunity both to observe ASL professionals and to communicate and perform duties within an ASL context. Duration and structure of the field experience will be jointly determined by the program director, the ASL context supervisor, and the student. Prerequisite: ASL 201.

## **ART**

### **Art 101 Fundamentals of Art**

*3 credit hours*

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 I**

*3 credit hours*

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 credit hours*

Explores capturing, digitizing and editing images with an emphasis on meeting aesthetic and technical requirements of the graphic design industry. Students will learn to color-correct, manipulate, retouch, enhance and composite digital images. Course fee.

### **Art 161 Visual Studies**

*1 credit hour*

Visual Studies will place an emphasis on the development of higher-level critical thinking skills and a broad introduction to the aesthetic vocabulary of form, concept, criticism and historical theories in the visual arts. Students will develop skills to articulate and defend critical positions about artists, works of art and art exhibitions.

### **Art 190 Introduction to Graphic Design**

*3 credit hours*

Creative development of ideas, effective communication and correct technical reproduction of the graphic design process. Course fee.

Prerequisites: Art 103, 145, 203.

### **Art 195 The History of Graphic Design**

*2 credit hours*

The study of historic and contemporary movements, designers, and innovations in the graphic design/illustration experience. From the invention of writing to the printing press to the digital age, this course allows for an in-depth survey of the graphic design arena. Students will also present a researched discussion of their choice within the text's topics.

### **Art 200 Art Therapy**

*3 credit hours*

Provides students with an overview of the history of art therapy and the profession of art therapy including theories and various populations. Includes a hands-on art workshop. Prerequisite: sophomore standing or higher.

### **Art 203 Two-Dimensional Design**

*3 credit hours*

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. Emphasis on perceiving formal relationships in natural and artistic contexts. Initial study in color theory and color relationships.

### **Art 205 Three-Dimensional Design**

*3 credit hours*

A course in Spatial Dynamics. An essential foundation, providing a strong understanding and use of made objects in space, simultaneously shaping space. Students explore objects in space and time, and explore space and time in objects. In doing so, they learn about the structure of form, the power of design and the use of design as a means to expression and craft. Students are encouraged to investigate the potential of a range of materials and working processes. Course fee. Prerequisite: Art 203.

### **Art 213 Drawing II**

*3 credit hours*

Drawing II will place an emphasis on landscape and still life subject matter. Both traditional and experimental approaches will be considered. Prerequisite: Art 103.

### **Art 214 Drawing III**

*3 credit hours*

Basic approaches to drawing the human figure through the study of anatomy, both skeletal and muscular systems. Exploration of human form through the use of line through gesture, contour, and planer

studies, as well as, value studies. Some emphasis upon drawing the human head and face. Prerequisite: Art 213.

#### **Art 215 Drawing IV**

*3 credit hours*

The drawing of human figures is extended to composing the human form in groups and relating them to various spatial environments. Prerequisite: Art 213, 214. Course fee.

#### **Art 216 Advanced Drawing**

*3 credit hours*

Concentration on personal goals and directions developed in consultation with the instructor will be emphasized. May be repeated.

#### **Art 223 Watercolor**

*3 credit hours*

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

#### **Art 224 Advanced Watercolor**

*3 credit hours*

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 Digital Photography**

*3 credit hours*

Explores photography as an art medium. No previous experience in photography is necessary, but drawing and design should be considered very important prerequisites. This is not a course in technical, applied, commercial, or professional photography, and we are not concerned with conventional problems, routine, or formula solutions. Specific, unique seeing is our goal and success is incumbent upon the ability to explore, with an open mind, a number of visual possibilities. The main emphasis and activity will be the production of acceptable pictures through the control of light, camera function, digital production, printing, and group critiques. Course fee.

#### **Art 243 Ceramics**

*3 credit hours*

Cover a range of concepts, traditions and techniques that are specific to the discipline of ceramics. Projects will revolve around the topics of space, structure and form. Techniques and processes including hand building, surface treatment, wheel thrown techniques and glazes will be covered. Through making, skills will become more developed providing a higher sense of confidence with the medium while allowing for more

control over objects and projects. Prerequisites: Art 101, 103.

#### **Art 244 Advanced Ceramics**

*3 credit hours*

Advanced credit in Ceramics, continues ceramic study over a customized map of the techniques, processes, material exploration and problem solving in design and function over a specific semester's body of work. An opportunity for an individualized, in-depth exploration of selected working process and concept. Course fee. Prerequisite: Art 243. May be taken repeatedly for advanced credit.

#### **Art 260 The Christian Faith in Art & Architecture**

*3 credit hours*

An exploration of ecclesiastical monuments in architecture with special concerns for contemporary worship environments and the intersection between theology, aesthetics, and functionality. Development of appreciation for modern, contemporary art and its presence within the life of the Christian. Additional ideas covered include Reformation art, icons, and symbolism.

#### **Art 271 Art History I**

*3 credit hours*

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 credit hours*

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. Prerequisite: Art 271.

#### **Art 273 Art History III**

*3 credit hours*

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. Prerequisite: Art 272.

#### **Art 280 Typography**

*3 credit hours*

Exploration of the design and use of basic letter forms, typographic contrast, hierarchy of information, major type families and characteristics, and typographic grids. Students build skills for the art of typesetting and typographic layout, and for expressive typography and conceptual thinking. Course fee. Prerequisite: Art 190.



**Art 301 Methods of Art Education***2 credit hours*

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.

**Art 303 Layout and Design***3 credit hours*

Concentrated study in the aesthetic and functional organization of information and visual elements within two-dimensional composition. With an emphasis on preparing text and images for electronic pre-press and for selecting printing options. Course fee. Prerequisites: Art 103, 190, 203.

**Art 315 Printmaking***3 credit hours*

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

**Art 316 Advanced Printmaking***3 credit hours*

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 credit hours*

Explores vector graphic software to create digital illustrations for various layout applications. Applies design principles and computer technology to create graphic elements for various layouts and designs. Course fee. Prerequisite: Art 145.

**Art 325 Painting***3 credit hours*

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, 203.

**Art 326 Advanced Painting***3 credit hours*

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

**Art 330 Digital Painting***3 credit hours*

Learning to apply the tools of pixel-based graphic

programs to create artwork on the computer. Course fee. Prerequisite: Art 145.

**Art 335 Advanced Digital Photography***3 credit hours*

Art 335 builds on the skills learned in Art 225 and introduces students to more in-depth digital production, manipulation, process, photographic history, and aesthetics. This is an Advanced Studio Class. Students pursue individual projects in photography as a fine art medium. Tools (cameras, printers) and techniques are to be determined by students as appropriate to image and idea. The course includes lectures, research of historical and contemporary photographic issues, photography theory and criticism, demonstrations, discussions of technical processes and color theory, and critiques of student photographs. Students are responsible for their own digital camera. Course fee. Prerequisite: Art 235. May be taken repeatedly for advanced credit.

**Art 345 Sculpture***3 credit hours*

The concepts and materials of sculpture are inextricably bound together. This course is a rigorous introduction to the major issues and techniques of sculpture, including a critical dialogue in contemporary sculpture. The course will be structured around an intensive investigation of several diverse ideas that make sculpture, such as: carving, casting, constructing, fabricating, space installation and social context. Course fee. Prerequisites: Art 103, 205.

**Art 346 Advanced Sculpture***3 credit hours*

Continues Sculpture over a customized map of the idea, space, context and material of sculpture, in a specific semester's body of work. An opportunity for an individualized, in-depth exploration of selected media, concept and working process. Course fee. Prerequisite: Art 345. May be taken repeatedly for advanced credit.

**Art 351 Illustration I: Focus on Retail Illustration***3 credit hours*

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, 190.

**Art 352 Illustration II: Focus on Editorial Illustration***3 credit hours*

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 355 Scientific Illustration***3 credit hours*

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, 351.

**Art 356 Advanced Scientific Illustration***3 credit hours*

Continued study in the media appropriate for technical illustration. Prerequisites: Art 103, 351, 352, 355. May be taken repeatedly for advanced credit.

**Art 365 Introduction to Interactive Design***3 credit hours*

This course explores communication through interactive media with an emphasis on basic web design and motion graphics. Design projects include explorations of web-based interface design, navigation principles, interactive and time-based media for designers. Course fee. Prerequisites: Art 190, 145 or permission from the instructor.

**Art 370 Studies in Art***2 credit hours*

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 credit hours*

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. Prerequisite: Art 325.

**Art 376 Ecclesiastical Art Practicum***1 credit hour*

In conjunction with the Center for Liturgical Arts, students will consider both the visual and theological concerns with creating art for the church and school. Artist participates and contributes significantly to the ministry of vocation on projects ranging from stained

glass window design to site-specific installation of art or worship accoutrements.

**Art 377 Ecclesiastical Art Internship***2 credit hours*

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***3 credit hours*

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 credit hours*

Hours and projects by arrangement.

**Art 403 Advanced Layout and Design***3 credit hours*

Concentrated study in identity development and brand strategy as related to cross-platform distribution methods. There is emphasis on shaping the graphic treatment and messaging of a single campaign across multiple formats and projects. Course fee. Prerequisite: Art 303.

**Art 407 Advanced Graphic Design***3 credit hours*

Concentrated study in conceptual and practical problem solving as related to visual communication. Course fee. Prerequisites: Art 303, 351, 352.

**Art 425 Collage and Mixed Media***3 credit hours*

A study of the history and theory of collage. Exploration of the unique characteristics and potential of two dimensional collage, assemblage relief, and installation. Conceptual development through the presentation of various techniques, theories, and approaches. Prerequisites: Art 103, 203, 205.

**Art 426 Advanced Collage and Mixed Media***3 credit hours*

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 III: Focus on Global Consciousness and World Issues***3 credit hours*

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 IV: Focus on Series Illustration***3 credit hours*

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 489 Portfolio***2 credit hours*

A guided plan of study resulting in a professional print and digital portfolio, resume', job search process, business interview etiquette and attire, and planning for post-graduate career opportunities. Prerequisite: senior standing.

**Art 490 Senior Design Studio***3 credit hours*

An intensive project-based study in the combination of time-based and print media 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***3 credit hours*

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)***1 credit hour*

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

**BIOLOGY****Bio 110 Principles of Biology***4 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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**

4 credit hours

Lecture 3, Lab. 3. An overview of genetic principles and their applications to inheritance including supportive studies of representative plants and animals. The lab will include both traditional and modern techniques in genetic analysis. Prerequisite: Bio 111 or instructor's permission. Course fee.

**Bio 222 Entomology**

3 credit hours

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. Taught as an independent study.

**Bio 225 Vertebrate Anatomy and Morphology**

3 credit hours

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 credit hours

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. Same as Sci 230.

**Bio 231 Introduction to Forensic Science Lab**

1 credit hour

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 credit hours

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 244 Nutrition**

3 credit hours

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. May be used as an elective in general education component.

**Bio 251 Medical Terminology**

2 credit hours

Lecture 2. This course offers a systematic approach to understanding the language of medicine utilized by healthcare professionals. Medical terms will be introduced and defined through the context of anatomy, physiology, pathology, and clinical and diagnostic procedures/tests. The course will focus on accurate spelling and pronunciation of terms; building knowledge of basic medical vocabulary with an emphasis on prefixes, suffixes, roots, and combining vowels; and practically applying these terms in various healthcare settings. Prerequisite: Bio 243, 343, or 344, or instructor's permission.

**Bio 271 Introductory Embryology**

3 credit hours

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 credit hours

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 299 Introduction to Research in Biology**

1-3 credit hours

This course gives students an opportunity to be involved in research early in their programs. Under supervision of biology faculty, students will learn and perform biological research with students registered for Bio 399. Bio 299 and Bio 399 students will meet as one class but will have different course requirements. Prerequisite: Bio 110, 111, or 112, and instructor permission.

**Bio 317 Ecology and Field Biology**

3 credit hours

Lecture 2, Lab. 2. 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 credit hours

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 credit hours*

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 credit hours*

See Eng 324.

### **Bio 330 Advanced Forensic Science**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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. Prerequisite: Sophomore standing or higher.

### **Bio 351 General Microbiology**

*4 credit hours*

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. Course fee.

### **Bio 36\_ Ecology and Natural History Study**

**Tours**

*3 credit hours*

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 credit hours*

A study of the structure and function of the brain, neurotransmitter systems, their interactions, and implications for brain function. Neurodegenerative disorders are discussed as examples throughout the course.

### **Bio 377 Conservation Biology**

*3 credit hours*

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 380 Biology Service Learning**

*2-3 credit hours*

Special course developed and offered to explore biology-related interdisciplinary or advanced program service opportunities related to a particular community issue or need. Led by a faculty member with interest and experience in the special topic area. Specific course title and credits will vary per faculty member focus, course objectives, and depth of service-learning experience. Prerequisites: junior or senior standing, declared major, and permission of instructor are required.

### **Bio 385 Physiology of Exercise**

*3 credit hours*

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, coaching and conditioning of the athlete. Prerequisite: upper-level standing; Bio 243, 343, or 344. Same as HHP 385.

### **Bio 399 Research in Biology**

*3 credit hours*

Upper-level students will perform biological research under supervision of biology faculty and with assistance of students who are registered for Bio 299. Bio 299 and Bio 399 students will meet as one class but will have different course requirements. Writing Intensive course. Prerequisite: Junior or Senior level standing, and instructor permission.

### **Bio 417 Aging and the Brain**

*3 credit hours*

See Gero 417.

### **Bio 450 Gross Anatomy**

*3 credit hours*

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, nervous and organ systems of the body. This course is intended for students in the pre-health professions programs. Course fee. Prerequisites: A grade of 'B' or higher in Bio 343 and 344 and permission of the instructor.

### **Bio 465 Human Diseases**

*3 credit hours*

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; upper-level standing. Same as HHP 465.

### **Bio 489 Immunology**

*3 credit hours*

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 credit hours*

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**

*1-3 credit hours*

Arranged for qualified juniors and seniors.

## **BUSINESS**

### **Bus 111 Entrepreneurship**

*3 credit hours*

The purpose of this course is to provide students with a solid foundation of the role by entrepreneurs and entrepreneurship in the 21<sup>st</sup> century global economy. To be examined: assessment, exploration, analysis and celebration of the phenomenon of entrepreneurship in for-profit and nonprofit settings.

### **Bus 121 Financial Accounting**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

Continuation of Bus 221.

**Bus 261 Marketing**

*3 credit hours*

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: Sophomore standing or higher.

**Bus 281 Business Communication**

*3 credit hours*

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 credit hours*

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 for Teams and Leadership**

*3 credit hours*

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.

**Bus 321 Cost Accounting**

*3 credit hours*

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 credit hours*

Accounting theory and practice applied to business combinations, multinational accounting, governmental accounting, not-for-profit accounting, partnerships, trusts and estates. Prerequisites: Bus 221, junior standing.

**Bus 323 Financial Statement Analysis and Decision Making**

*3 credit hours*

Application of concepts from introductory accounting and finance as well as a more thorough investigation of selected topics such as ratio analysis, capital budgeting, dividend policy, leverage and acquisition valuation. Prerequisite: Bus 331.

**Bus 325 Accounting and Information Systems**

*4 credit hours*

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. Prerequisites: Bus 121, sophomore standing.

**Bus 325A Accounting and Information Systems**

*1 credit hour*

A supplement to Bus 371, when students have taken Bus 371, focusing specifically on accounting information systems. Bus 371 (3 Hours) plus Bus 325A (1 Hours) is equivalent to Bus 325 (4 Hours).

**Bus 331 Finance**

*3 credit hours*

Fundamentals of financial management. Policy, methods, institutions, and tools of financial management involved in financing the business organization. Prerequisites: Econ 101, Bus 121.

**Bus 335 Investments**

*3 credit hours*

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.

**Bus 336 Insurance***3 credit hours*

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 credit hours*

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 343 Operations Management***3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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.

**Bus 363 Sales and Sales Management***3 credit hours*

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 credit hours*

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 credit hours*

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. Prerequisites: Bus 261 and Math 122.

**Bus 369 International Business***3 credit hours*

This course examines issues essential to an understanding of international business activity. It includes the nature of international business, international economic institutions and issues, international monetary issues, government activity



affecting international trade, social and cultural effects on international business, human resource management and other related topics. Prerequisite: Bus 261.

### **Bus 371 Information Systems**

*3 credit hours*

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 385 Arts Administration**

*3 credit hours*

See CTA 385.

### **Bus 399 Internship**

*1-3 credit hours*

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. May be repeated once. P/F.

### **Bus 400 Business Ethics**

*3 credit hours*

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 401 Business Ethics**

*3 credit hours*

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. Degree Completion Program only.

### **Bus 405 Professional Studies**

*3 credit hours*

A study of Christian ethics and practice within professional work environments. The course considers organizational and human behavior and integrates a Christian faith-based approach to ethics. Case studies are utilized to develop skills in ethical dilemma problem analysis and apply course concepts. Degree Completion Program only.

### **Bus 415 Retirement & Lifespan Financial Issues**

*3 credit hours*

See Gero 415.

### **Bus 421 Tax Accounting**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 Strategic Management**

*3 credit hours*

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.

## **CHEMISTRY**

### **Chem 109 Introductory Chemistry**

*3 credit hours*

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 limited experience in chemistry.

**Chem 115 General Chemistry**

*4 credit hours*

Lecture 3, Lab. 3. General principles of chemistry: atoms and molecules, chemical reactions and reaction stoichiometry, phases of matter, electronic structure, bonding, molecular shapes, and intermolecular forces. Prerequisite: A year of H.S. chemistry or Chem 109. Students who did not earn a grade of B or higher in high school chemistry should strongly consider taking Chem 109 before Chem 115.

**Chem 116 General Inorganic and Qualitative Analysis**

*4 credit hours*

Lecture 3, Lab. 3. A continuation of general chemistry: chemical kinetics, equilibrium, acids and bases, oxidation-reduction chemistry, and fundamental qualitative analysis. Prerequisite: A grade of C- or higher in Chem 115.

**Chem 231 Organic Chemistry I**

*4 credit hours*

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: A grade of C- or higher in Chem 115.

**Chem 313 Advanced Inorganic Chemistry**

*3 credit hours*

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: Grades of C- or higher in Chem 116 and Chem 231.

**Chem 325 Quantitative Analytical Chemistry**

*4 credit hours*

Lecture 3, Lab. 3. The fundamental principles of gravimetric and volumetric quantitative analysis and including some instrumental analysis. Prerequisite: A grade of C- or higher in Chem 116.

**Chem 331 Organic Chemistry II**

*4 credit hours*

Lecture 3, Lab. 3. This course, along with Chemistry 231, covers the material typically covered in the first year organic chemistry course. Course fee. Prerequisites: Chem 116 (or concurrent enrollment) and Chem 231.

**Chem 345 Introductory Biochemistry**

*4 credit hours*

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. Course fee.

**Chem 353 Physical Chemistry**

*3 credit hours*

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 or Phys 381, and Math 186 (or concurrent enrollment in Math 186), Phys 111 is recommended. Same as Phys 353.

**Chem 354 Physical Chemistry II**

*3 credit hours*

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 or Phys 381, Math 186. Phys 111 and Math 284 are recommended. Same as Phys 354.

**Chem 355 Physical Chemistry Laboratory**

*1 credit hour*

Lab. 3. Same as Phys 355.

**Chem 356 Physical Chemistry Laboratory II**

*1 credit hour*

Lab. 3. Same as Phys 356.

**Chem 395 Advanced Topics in Chemistry Seminar**

*3 credit hours*

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 credit hours*

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.

## CHINESE

### **Chns 101 Beginning Mandarin I**

*3 credit hours*

The purpose of this beginner's course is to train the student to function successfully in Chinese culture using Mandarin as a language through the development of communication skills that cross ethnic and cultural boundaries and an understanding of Chinese interpersonal behavior and related thought. This course focuses on basic speaking and listening skills, vocabulary, and grammar; it requires the student to demonstrate a level of cultural understanding suitable for correct performance of assigned tasks in Chinese.

### **Chns 102 Beginning Mandarin II**

*3 credit hours*

This course continues the Mandarin language and Chinese culture training initiated in Chns 101 with more advanced topics in Mandarin conversational proficiency, vocabulary, and grammar. This course incorporates speaking, listening, reading, and writing skills; the student will learn to read and write a number of Chinese characters and the pinyin system. As in Chns 101, the course requires the student to demonstrate a level of cultural understanding suitable for correct performance of assigned tasks in Chinese. Prerequisite: Chns 101.

### **Chns 201 Intermediate Mandarin I**

*3 credit hours*

This course continues the student's development of Mandarin language skills through more advanced training in conversational proficiency, vocabulary, grammar; the student will continue to improve speaking, listening, reading, and writing skills and will continue to learn more about Chinese culture. The course requires the student to demonstrate a level of cultural and linguistic understanding suitable for correct performance of assigned tasks in Chinese. Prerequisite: Chns 102.

### **Chns 202 Intermediate Mandarin II**

*3 credit hours*

This final course in the Mandarin minor/subject concentration core sequence continues the student's development of Mandarin language through more advanced training in conversational proficiency, vocabulary, and grammar; the student will continue to improve speaking, listening, reading, and writing skills and will continue to learn about Chinese culture. The

course requires the student to demonstrate a level of cultural and linguistic understanding suitable for correct performance of assigned tasks in Chinese. Prerequisite: Chns 201.

### **Chns 301 Advanced Mandarin I**

*3 credit hours*

This course bolsters students' communicative competence in Mandarin listening, speaking, reading, and writing through more advanced instruction in vocabulary and grammar. The student will develop the ability to distinguish between spoken discourse styles and written language genres and will utilize knowledge of Mandarin in spoken and written discourse with native speakers. Pre-requisite: Chns 202.

### **Chns 302 Advanced Mandarin II**

*3 credit hours*

This course continues to build students' communicative competence in Mandarin listening, speaking, reading, and writing through more advanced instruction in vocabulary, grammar, and linguistic norms. The student will continue to gain Mandarin sociolinguistic proficiency and will utilize spoken and written Mandarin in authentic interactions with native speakers. Prerequisite: Chns 302.

### **Chns 321 Chinese Culture in Mandarin**

*3 credit hours*

This lecture-style course, taught in Mandarin, discusses various topics related to the development of Chinese culture in the pre-modern and modern Chinese world. Specific topics covered in the course will be selected at the discretion of the instructor based on the interests of the instructor and the students; these topics will include such areas as Chinese philosophical thought, Chinese government, the Chinese world outside of China (including communities in the US), economic development in the Chinese world, environmental awareness in China, and China's changing demographics. Prerequisite: Chns 202.

### **Chns 341 Introduction to Reading in Chinese**

*3 credit hours*

In this course the student will read, translate, and discuss a range of poetry, short stories, and literary excerpts in Chinese, both classic and contemporary. Through this course the student will become acquainted with the long-standing Chinese literary tradition and its notions of what constitutes great literature, from a Chinese cultural point of view. Reference will be made to contemporary adaptations of Chinese literature in modern films in the Western

world and the accompanying shift in cultural viewpoint. This course is taught in a mixture of Mandarin and English. Prerequisite: Chns 202.

## CHRISTIAN EDUCATIONAL LEADERSHIP

### CEL 229 Introduction to DCE Ministries

*2 credit hours*

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.

### CEL 235 CEL Field Experiences I

*1 credit hour*

An examination of the operational and administrative structures of the local congregation. The student will complete a guided, on-site analysis of a congregation, focusing especially on topics related to administrative structures, budgeting, vision/mission/goals, decision-making processes, participation levels, staffing and risk management.

### CEL 329 DCE Ministries II: The Emerging DCE

*2 credit hours*

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.

### CEL 335 CEL Field Experiences II

*1 credit hour*

An examination of the educational ministries of the local congregation. The student will complete a guided, on-site analysis of a congregation's educational efforts, focusing especially on volunteer recruitment and management, record-keeping, scope and sequence, evaluative efforts, teaching methodologies, participation levels and hoped-for outcomes.

### CEL 388 Youth Ministry Theory and Methods

*3 credit hours*

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.

### CEL 480 Practicum in DCE Ministries

*1.5 + 1.5 credit hours*

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.)

### CEL 481 Director of Christian Education Internship

*12 + 12 credit hours*

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 CEL 480 has been satisfactorily completed. Course is completed over two semesters earning 24 credit hours. P/NR.

### CEL 483 Leadership Development: Enabling Others to Lead and Teach

*3 credit hours*

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.

### CEL 484 Confirmation Planning and Implementation

*2 credit hours*

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.

### CEL 485 Parish Education Program Administration

*3 credit hours*

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.

### **CEL 486 Family Life Ministry**

*3 credit hours*

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.

### **CEL 487 Planning Adult Education in the Parish**

*3 credit hours*

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.

## **COMMUNICATION AND THEATER ARTS**

### **CTA 103 Experiences in Human Communication**

*3 credit hours*

An introduction to the basic principles of intrapersonal, interpersonal, group and public communication. The course includes listening, group dynamics, fundamentals of public speaking and information literacy.

### **CTA 151 Introduction to Dramatic Arts**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

Dramatic exercises and improvisation for personal development and procedures for leading creative drama in classroom, parish, and other group settings.

### **CTA 200 Forensics**

*3 credit hours*

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 credit hours*

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 211 Public Speaking**

*3 credit hours*

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.

### **CTA 225 Writing and Reporting**

*3 credit hours*

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 credit hours*

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.

**CTA 231 Oral Interpretation**

*3 credit hours*

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 credit hours*

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. Prerequisite: CTA 153.

**CTA 233 Stage Scenery, Lighting and Sound**

*4 credit hours*

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 Media: Impacts and Influences**

*3 credit hours*

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 credit hours*

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.

**CTA 281 Business Communication**

*3 credit hours*

See Bus 281.

**CTA 285 Social Media**

*3 credit hours*

This course will introduce students to the theory and forms of social media. What are social media, who

uses them, who gains from them, and how are they transforming the media landscape, the way we understand our world and our ability to communicate effectively within it? Students will become familiar with a range of social media tools, analyze and discuss their uses and implications, and develop what media scholar Trebor Scholz calls “participation literacy.”

**CTA 296 Journalism Practicum**

*1 credit hour*

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 credit hour*

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 credit hour*

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. 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 credit hour*

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 credit hours*

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 credit hours*

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**

*3 credit hours*

In-depth work and analysis of interpersonal communication. Topics include relationship development and maintenance strategies, nonverbal communication in relationships, conflict resolution and impression management strategies. Prerequisite: Eng 102.

**CTA 309 Small Group Theory for Teams and Leadership**

*3 credit hours*

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.

**CTA 311 Persuasion, Argumentation and Debate**

*3 credit hours*

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 327 Advanced Writing and Reporting**

*3 credit hours*

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 credit hours*

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. Students will have a 20-hour lab requirement (outside of class) attached to the course. Prerequisites: Eng 102 or Eng 231. Sophomore standing or higher.

**CTA 362 Advertising and Integrated Marketing Communication**

*3 credit hours*

See Bus 362.

**CTA 373 Play Production**

*3 credit hours*

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 385 Arts Administration**

*3 credit hours*

An overview of the field of arts administration, including curation, development, public relations and education. Same as Bus 385.

**CTA 399 Independent Study**

*1-3 credit hours*

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 credit hours*

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 488 Conflict Resolution: Coaching**

*3 credit hours*

See Educ 488.

**CTA 489 Conflict Resolution: Mediation II**

*3 credit hours*

See Educ 489.

### **CTA 499 Internship**

*1-3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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: A grade of C of higher in CS 131.

### **CS 231 Introduction to Computer Systems**

*3 credit hours*

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: A grade of C of higher in CS 141.

### **CS 241 Introduction to Computer Organization**

*3 credit hours*

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: A grade of C of higher in CS 141.

### **CS 251 Introduction to File Processing**

*3 credit hours*

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: A grade of C of higher in CS 141.

### **CS 261 Operating Systems and Computer Architecture I**

*3 credit hours*

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: A grade of C of higher in CS 231, 241 (251 is recommended).

### **CS 321 Numerical Analysis**

*3 credit hours*

See Math 321.

### **CS 324 Computer Graphics**

*3 credit hours*

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: A grade of C of higher in CS 141 or equivalent.

### **CS 334 Organization of Programming Languages**

*3 credit hours*

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:



A grade of C or higher in CS 141 (CS 231 and CS 251 are highly recommended).

### **CS 341 Computer Networks**

*3 credit hours*

A multi-layered view of a computer network is investigated with particular attention given to Ethernet-based networks and the TCP/IP protocol stack. Topics include physical vs. logical design of a network, physical media, signal transmission methods, switching, routing, error handling, network applications and the protocols utilized at each layer. Students write peer-to-peer and client/server programs that communicate over a network. Each student independently investigates a networking topic of their choice, prepares a paper on their findings and presents the information to the class. Prerequisite: A grade of C or higher in CS 251 and CS 261.

### **CS 344 Data Structures and Algorithm Analysis**

*3 credit hours*

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: A grade of C or higher in CS 141.

### **CS 348 Discrete Structures**

*3 credit hours*

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: A grade of C or higher in CS 131. Math 252 is strongly recommended.

### **CS 351 Database Design and Management**

*3 credit hours*

Principles for the design and management of database systems including data and storage models; relational, hierarchical, 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: A grade of C or higher in CS 251.

### **CS 361 Operating Systems and Computer Architecture II**

*3 credit hours*

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: A grade of C or higher in CS 261.

### **CS 39x Seminar in Computer Science**

*3 credit hours*

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: A grade of C or higher in CS 141.

### **CS 391 Computer Science Senior Project**

*3 credit hours*

The Senior Project in Computer Science is intended to provide students with an opportunity to extend and advance the computer science experience and knowledge received in other coursework and to provide students with a "real-world" experience. The student will work independently in consultation with a faculty mentor for one semester and will be responsible for the work and progress that he/she accomplishes in completing a functional and creative "real-world" application. Students will be expected to conduct research appropriate and applicable to their project. Prerequisite: must have completed at least 21 hours of CS courses; senior standing.

### **CS 399 Computer Science Internship**

*3 credit hours*

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 120 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 credit hours*

See Bus 442.

**CRIMINAL JUSTICE****CJ 101 Introduction to Criminal Justice***3 credit hours*

This is an introductory class to the study of criminal justice. Students will be introduced to the history of the American Criminal Justice system and its primary components: law enforcement, courts, corrections, police work, types of crime and responses to crime.

**CJ 200 Introduction to Law Enforcement***3 credit hours*

Introductory course on the role of police in American society and the functions of law enforcement professionals. This course will cover topics within the field of criminal justice from a law enforcement perspective. Prerequisite: CJ 101.

**CJ 300 Criminal Investigations***3 credit hours*

This course introduces criminal investigation procedures. Investigative processes related to law enforcement will be reviewed, including the limits on such investigations. Prerequisite: CJ 101.

**CJ/Soc 321 Criminology***3 credit hours*

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.

**CJ/Soc 325 Special Topics in Criminal Justice***3 credit hours*

This class is designed to offer variable topics in the field of criminology or criminal justice. Topics will go in depth on a particular topic to expand knowledge and skill in this specific area. Further description will be given for individual topics. This class may be repeated with different topics.

**CJ 350 Overview of the American Legal System***3 credit hours*

This course will provide students with a basic knowledge of criminal and civil laws and judicial procedures in the United States of America. Discussion of federal, state, and local laws will be covered. Prerequisite: PS 111.

**CJ 400 Ethics in Criminal Justice***3 credit hours*

This course will examine the moral codes and ethical decisions involved when working within the criminal justice system. Prerequisite: CJ 101.

**CJ 481 Criminal Justice Internship***3 credit hours*

The Criminal Justice Internship is a planned and supervised educational experience which integrates the knowledge and theory of criminal justice gained through course work with field experience. Students observe professionals in the field and participate as determined between the supervisor of that agency and the student. Students must contact the office of career services to obtain the undergraduate internship/practicum packet and complete the required process. Prerequisite: upper-level standing and instructor approval.

**ECONOMICS****Econ 101 Principles of Macroeconomics***3 credit hours*

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 credit hours*

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.

**Econ 104 Principles of Macroeconomics***3 credit hours*

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. Degree Completion Program only.

**EDUCATION****Educ 101 Teaching as a Profession***1 credit hour*

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 credit hours*

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**

*2 credit hours*

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 295 History of Public Education**

*3 credit hours*

This course explores the history of public education in the United States to establish a foundation for current educational practices in public elementary, middle level, and secondary schools.

### **Educ 296 Topics in Public Education**

*3 credit hours*

This course explores concepts and issues related to the ministry of teaching in a public school setting. Topics include but are not limited to; philosophical foundations of public education, basic concepts of school law, public and private school separation and cooperation, teachers' unions and collective bargaining, assessment of teachers and tenure, and the role of the state government. This class is required for all students enrolled in the Public Education program.

### **Educ 300 Outdoor Christian Education**

*2 credit hours*

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. Travel fee.

### **Educ 301 Principles of Secondary Education**

*2 credit hours*

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 314 Assessment, Evaluation, and IEP**

*3 credit hours*

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 credit hours*

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 Moderate Disabilities**

*3 credit hours*

This course examines the various approaches to working with and the characteristics of students with moderate disabilities, including mental retardation and autism. Specific topics addressed include characteristics, assessment, curriculum and adaptations, appropriate school placement, transition, and support into adulthood. Prerequisites: Psy 324.

### **Educ 317 Teaching Students with Learning Disabilities**

*3 credit hours*

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 318 Special Education Practicum**

*3 credit hours*

This course includes practicum field experience hours in special education settings. It is required of all teacher education candidates seeking a special education endorsement at the undergraduate level.

### **Educ 330 Early Childhood Education Foundations and Programs**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 346 Instructional Technology**

*3 credit hours*

Technology has changed the way we work and live in such a profound way that the ability to use it effectively has been widely recognized as a new literacy. Students are expected to use technology to create, innovate, critically think, problem solve, communicate, and collaborate. Teachers must

possess the knowledge and skills necessary to lead students in using current technologies in a responsible and beneficial way. Most importantly, they must have a fundamental understanding of its importance in teaching and learning, thereby creating a willingness to learn and integrate the technologies of the future. This course will offer a practical and hands-on exploration of using technology in the K-12 classroom.

### **Educ 349 Principles of Career Education and Supervision of Work Learning**

*3 credit hours*

Overview of initial employment and careers in business, marketing and information technology. Managing a work-based learning program, including the supervision of students in the workplace.

### **Educ 358 Religious Education and Innovative Technology**

*2 credit hours*

Technological advances have introduced new methods of educating – and need to be better understood in regards to how they can enhance religious education in the church. This class is meant to enhance the ability of the individual to make effective use of technology for teaching and church promotional efforts.

### **Educ 362 Teaching the Christian Faith**

*2 credit hours*

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 credit hours*

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 credit hours*

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 365 Physical Education in Elementary and Middle Level Education**

*3 credit hours*

A study of methods, materials, curriculum development and evaluation of physical education programs in elementary and middle level education. Prerequisite: HHP 100, HHP 291, acceptance into the Education program, and upper-level standing. 15 hours of field experience required. Same as HHP 365.

**Educ 366 Health Methods and Curriculum Design**

*3 credit hours*

A study of methods, materials, curriculum development, and evaluation of health education programs in the school. Prerequisite: HHP 181, HHP 291, acceptance into the Education program, and upper-level standing. Same as HHP 366.

**Educ 367 Methods in Secondary Modern Languages\***

*2 credit hours*

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 credit hours*

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. By arrangement.

**Educ 369 Methods in Secondary Business Education\***

*2 credit hours*

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. By arrangement.

**Educ 371 Methods in Secondary English\***

*2 credit hours*

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 credit hours*

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 credit hours*

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.” I Sem. only.

**Educ 374 Methods in Secondary Mathematics\***

*2 credit hours*

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 credit hours*

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 Secondary PE Methods and Curriculum Design**

*3 credit hours*

Methodological approaches to the teaching of physical education. Special attention is devoted to the implications of growth and development of the secondary school student for program planning, instructional techniques, and the theories, principles, and practices of curriculum development. Same as HHP 376.

**Educ 377 Secondary Methods in Art Education\****2 credit hours*

Philosophical and practical direction in methods and techniques used in teaching art on the high school level. Prerequisites: Art 103, 203 and 301.

**Educ 378 Methods in Secondary Speech/Drama\****2 credit hours*

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. I Sem. only.

**Educ 379 Methods in Secondary Religion\****2 credit hours*

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 credit hours*

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/NR.

**Educ 381a/b Student Teaching I/II in the Kindergarten***4-6 credit hours*

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/NR.

**Educ 382a/b Student Teaching I/II in the Primary Grades***4-6 credit hours*

See description for Educ 381a/b. P/NR.

**Educ 383a/b Student Teaching I/II in the Intermediate Grades***4-6 credit hours*

See description for Educ 381a/b. P/NR.

**Educ 384a/b Student Teaching I/II in the Upper Grades***4-6 credit hours*

See description for Educ 381a/b. P/NR.

**Educ 385a/b Student Teaching I/II in the Secondary School***4-6 credit hours*

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/NR.

**Educ 386a/b Student Teaching I/II in K–12 (Music, Art, HPE)***4-6 credit hours*

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/NR.

**Educ 387 Student Teaching in Special Education***10 credit hours*

Students are assigned to teach under the supervision of a special education teacher and a university supervisor in a special education setting. P/NR.

**Educ 387b Student Teaching in Special Education***4 credit hours*

See course description for Educ 387. P/NR.

**Educ 396a/b Student Teaching I/II Middle Level***10 credit hours*

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/NR.

**EDUC 398 ESL Practicum***3 credit hours*

Students teach and/or tutor ESL students under the supervision of a university supervisor in settings that require application of skills and principles developed in the ESL curriculum.

**Educ 399 ESL Student Teaching***3 credit hours*

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/NR.

**Educ 401 Middle Level Instruction***3 credit hours*

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 420 Second Language Acquisition**

*3 credit hours*

This course builds on the introduction to second language acquisition theories received by the student in Educ 425A (English as a Second language Instruction, Curriculum, and Assessment) or Educ 367 (Methods in Secondary Modern Languages). Through an examination of key research on questions in first and second language acquisition, this course provides a framework for the application of second language acquisition research findings to second language teaching. Prerequisites: Educ 425A, Educ 367, or special permission of the program director.

### **Educ 424 Differentiated Instruction**

*2 credit hours*

The course will prepare teacher candidates to meet the diverse needs of ALL students, including the culturally diverse, gifted, at-risk, second language learner, and those with special needs, in inclusive educational settings. It will provide pre-service teachers an overview of special education and the federal laws which govern the education of these students today. Attention will be focused on the process of identifying the individual needs of students and creating effective teaching techniques to address those needs, primarily through the use of differentiated instruction. Prerequisites: upper-level standing, Psy 324. 12 hours of field experience required.

### **Educ 425A English as a Second Language (ESL) Instruction, Curriculum, and Assessment (Part 1)**

*3 credit hours*

This course introduces the student to the theory and practice of language learning and teaching through discussion and practice of various approaches, methods, and techniques for teaching English as a second language. The student will likewise learn principles of ESL curriculum selection, adaptation, evaluation, and development, and will explore options for the assessment of English language learner proficiency. Special attention is given to modification of content area lessons for English language learners, the growing multiethnic nature of the American classroom, and human relational dispositions and approaches to teaching effectively in a multiethnic classroom. Prerequisite: upper-level standing.

### **Educ 425B English as a Second Language Instruction, Curriculum, and Assessment (Part 2)**

*3 credit hours*

This course builds on EDUC 425A by continuing an exploration of principles in ESL instruction, curriculum, and assessment. Special focus in this course is given to techniques and issues in teaching listening, speaking, reading, and writing. The student will also be introduced to aspects of the English grammatical system that are a special challenge for ESL students and discuss ways of incorporating instruction in English grammar into instruction in the other skill areas. In the 18-hour required practicum, students will gain experience in teaching and assessing ESL students and developing specific interventions for them. Prerequisite: Educ 425A.

### **Educ 430 School, Community and Parent Involvement**

*2 credit hours*

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 credit hours*

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 (formerly Educ 361)**

*6 credit hours*

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, full admission into teacher education.

### **Educ 470 Content Area Literacy**

*3 credit hours*

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. Field Experience required. Prerequisites: Educ 424, upper-level standing, full admission into teacher education.

#### **Educ 488 Conflict Resolution: Coaching**

*3 credit hours*

This course is an introduction to conflict reconciliation with a focus upon conflict coaching. Students will gain a basic knowledge about what causes conflict including issues of perception and unhealthy or unproductive communication processes. Additionally, students will examine the theological framework for conflict resolution. Students will be challenged to explore their own responses to conflict while learning to coach others through conflicted situations. Same as CTA/Gero 488. Prerequisite: department permission.

#### **Educ 489 Conflict Resolution: Mediation II**

*3 credit hours*

This is an advance study in conflict reconciliation with a focus upon conflict mediation drawn from interpersonal communication theory and skill building. Students will gain basic knowledge about the mediation process in a theological framework. Students will have the opportunity to work through detailed case studies and role-plays based on actual conciliation cases. These studies and role-plays incorporate skills in listening, perception checking and paraphrasing. Students completing this course will meet requirements for foundational skills training of Peacemaker Ministries. Same as CTA/Gero 489. Prerequisite: CTA/Gero 488.

#### **EDUC 490 ESL Capstone**

*3 credit hours*

Self-directed study which involves an approved program of research and experience with special issues related to ESL students. This capstone project requires the submission of an activity log, journal, and reflection paper, as well as an oral presentation to highlight what has been learned.

## **EDUCATIONAL PSYCHOLOGY**

### **EDPS 210 Educational Psychology and General Methods**

*2 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

A general background in the reading, interpretation, evaluation and criticism of literature in various genres.



**Eng 221 Intermediate Writing***3 credit hours*

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 231 Studies in the English Language***3 credit hours*

Studies in the acquisition, development, variation and science of the English language. Prerequisite: Eng 102.

**Eng 300 Placement Seminar***1 credit hour*

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 credit hours*

Natural History in Literature and Writing: A study of natural history, literature and writing with an interdisciplinary emphasis on science, literature and writing. This course includes travel opportunities to both regional and world destinations with literary and social significance. Students will participate in first-hand study of the natural history of the areas and visit sites related to the literature and writing of the region. The course will focus on the effect of the area and its history on the writers of the area and the students' own writing as well as on the biological and geological history of the land itself. Students' writing and photography will be a primary means of response to the course materials and experience. Prerequisites: Eng 102, Eng 201.

**Eng 326 Poetry Writing***3 credit hours*

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. Prerequisite: Eng 221.

**Eng 327 Fiction Writing***3 credit hours*

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 221.

**Eng 328 Creative Nonfiction Writing***3 credit hours*

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 221.

**Eng 329 Scriptwriting***3 credit hours*

This course is designed to afford students the opportunity to explore and improve their ability to write, read, and edit scripts intended for performance. The course includes the study and application of research related to peer writing groups and the process of writing. Prerequisite: Eng 221.

**Eng 341 American Literature I***3 credit hours*

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 credit hours*

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 credit hours*

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 361 London Literary Tour***3 credit hours*

This annual study tour opportunity occurs between December 26 and the start of the second semester. The itinerary includes London and additional selected cities in the United Kingdom and mainland Europe. Itinerary varies from year to year. Sites include the major literary, historical, and cultural areas of the selected cities. Students complete readings, a paper and project upon the return from the trip. Credit can

also be substituted for a variety of other required courses in the humanities, social sciences, and other areas.

**Eng 362 British Literature I**

*3 credit hours*

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 credit hours*

A survey of British literature from the Restoration and 18<sup>th</sup> century through the Romantic era. Prerequisite: Eng 201.

**Eng 364 British Literature III**

*3 credit hours*

A survey of British literature from the Victorians to the present. Prerequisite: Eng 201.

**Eng 366 Shakespeare**

*3 credit hours*

A study of representative history plays, comedies, tragedies, and at least one problem play. Prerequisite: Eng 201.

**Eng 381 World Literature I**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

A survey of significant literature from a variety of world cultures from the late 1800s into the early 21<sup>st</sup> 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 credit hours*

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.

**Eng 387 Modern and Postmodern Drama**

*3 credit hours*

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 credit hours*

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 credit hours*

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**

*1-3 credit hours*

Hours and topics by arrangement. Prerequisite: Eng 201.

**Eng 431 English Language and Linguistics**

*3 credit hours*

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 491 Issues in Literature for Children and Youth***3 credit hours*

A survey of contemporary literature for readers from middle level through grade 12. Students will become familiar with contemporary youth poetry and fiction, explore societal issues in literature and develop skills of literary analysis.

**Eng 498 Honors Course***1-3 credit hours*

Arranged for qualified seniors.

**Eng 499 Internship***1-3 credit hours*

Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

**ENGLISH, COMMUNICATION, THEATRE ARTS****ECTA 150 Basic Special Topics in English, Communication and Theatre [Topic by Announcement]***1-3 credit hours*

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.

**ECTA 250 Intermediate Special Topics in English, Communication and Theatre [Topic by Announcement]***1-3 credit hours*

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: Eng 102 and one additional course in CTA or English.

**ECTA 350 Special Topics in English, Communication and Theatre [Topic by Announcement]***2-3 credit hours*

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: Eng 102 and one additional course in CTA or English.

**ECTA 450 Special Topics in English, Communication and Theatre [Topic by Announcement]***2-3 credit hours*

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: Eng 102 and one additional course in CTA or English.

**ECTA 499 Special Topics in the Study of Language***1-3 credit hours*

This course analyzes and evaluates the privileged space language holds in the related humanities disciplines of English, speech communication and theatre studies. Students will write, speak and perform individual projects in response to interdisciplinary and shared, cross-disciplinary readings that explore the foundations of literary study, rhetorical study and theatre.

**ENVIRONMENTAL SCIENCE****ESci 281 Physical Geography and Geology***4 credit hours*

Lecture 3, Lab. 2. See Geog 281.

**ESci 291 Geography of Sports and Outdoor Recreation***3 credit hours*

See Geog 291.

**ESci 315 Environmental Science***3 credit hours*

See Geog 315.

**ESci 320 Natural Resource Management and Conservation in the National Parks***3 credit hours*

See Geog 320.

**ESci 351 Environmental Law and Policy***3 credit hours*

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 credit hours*

Lecture 1, Lab 2. See Geog 361.

**ESci 36\_ Ecology and Natural History Study Tours***3 credit hours*

See Bio 36\_.

**ESci 377 Conservation Biology***3 credit hours*

See Bio 377.

**ESci 385 Introduction to GPS***3 credit hours*

See Geog 385.

**ESci 461 Advanced Geographic Information Systems***3 credit hours*

See Geog 461.

**ESci 498 Environmental Science Internship***1-3 credit hours*

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.

**FAMILY LIFE (For Degree Completion Program Students Only)****FL 221 Lifespan Development***3 credit hours*

A study of the development of changes of the person through the individual and family life cycle. Each stage of the cycle will consider physical development, including body changes and motor skills; cognitive development, including thought and language; psycho-social development, including emotions,

personality and relationships with other people; spiritual development, including spiritual formation and implications for family life ministry.

**FL 428 Parent Education***3 credit hours*

Examines lifespan faith and moral development of children and parents; characteristics, types, styles and forces that shape parenting practices and processes; development and dynamics of life-span relationships; changing family contexts; programs/services, training and delivery systems; and the impact of cultural-religious norms and family policies upon families.

**FL 433 Aging and the Family***3 credit hours*

This course provides a lifespan view of aging as individuals and within families. Theoretical frameworks, physiological, psychological, social aspects of aging, public policy and topical issues of families and individuals across time are studied. Students review community agencies, retirement-long-term-care campuses and independent living contexts in their communities, congregations and schools and study ethical issues and ministry opportunities and applications in a variety of contexts.

**FL 440 Family Resource Management***3 credit hours*

This course is a study of the effective management of family resources that relate to lifespan family and individual goals. Values, attitudes, goals and resources are reviewed in light of a biblical foundation, management theories, concepts and principles and communication skills. Management of family time, work, stress, finances, consumerism and the environment provide a knowledge base and decision-making skills for planning, implementing and evaluating change for lifespan decision-making.

**FL 443 Theory and Dynamics of Family Relations***3 credit hours*

A study of the theological framework of the family and family relations. An examination of contemporary theories used in family analysis and a study of social, psychological and spiritual influences on family interaction, with special emphasis on how intra-family processes and familial interaction in the social milieu are related to personal and family functioning.

**FL 444 Lifespan Family Education***3 credit hours*

This course reviews the nature of lifespan family life education in the community, workplace and church.

Students become familiar with professional and faith perspectives related to the foundation and practice of major lifespan family areas. Personal and professional family life assumptions and values are examined. Immediate course applicability is possible through pre-and-post work.

**FL 445 Foundations of Christian Marriage and Family**

*3 credit hours*

A study of the foundation of marriage and family within the framework of Christian Theology and praxis. Includes the history of marriage and family, contributions to and development of the field in divorce prevention, remarriage, divorce recovery; current theories and approaches to training in CPREP: The Christian Prevention and Relationship Enhancement Program and/or PREPARE/ENRICH certification or re-certification among others.

**FL 446 Family Dysfunctions: Assessment and Intervention**

*3 credit hours*

Covers the etiology and interventions of emotional and behavioral dysfunctions from a family systems perspective and a Christian theological framework. Provides community counselors with assessment intervention tools designed to help church professionals in topical areas to gambling, chemical, Internet addictions, anger management and other abuses found in family and community networks.

**FL 447 Family Law and Public Policy**

*3 credit hours*

Basic foundations and knowledge base of family law are studied. Students review their family state laws regarding legal rights of marriage-dissolution, children, family support, child custody, protection, public policies and implications for the church and school. This self-study course includes meetings, conferences with community attorneys, law enforcement agencies and courtroom observations.

**FL 483 Sexuality and the Family**

*3 credit hours*

This course develops a Christian lifespan approach to healthy sexuality; focusing on attachment theory, dating, mate selection, marriage and family development. Sexual attitudes, values and belief systems, and responsible behaviors within the church, community and larger society are identified. Lifespan curricula and models are examined.

**FL 485 Family Life Ministry**

*3 credit hours*

This course is a study of various models and strategies useful for initiating and sustaining family ministry as a lifelong process in the context of the home and local congregation. Emphasis is placed on Theology and philosophy of family ministry, currents in family change, families in ministry, family life programmatic areas, and curricula for family life educational ministry and skill development.

## FINANCIAL LITERACY

**FINL 100 Financial Literacy I**

*0-0.5 credit hour*

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. *Note: Passing this course with 0 credits meets one of Concordia's graduation requirements. Taking the course for 0.5 credits may be beneficial in accumulating 120 credits, or in establishing full-time status. Taking the course for 0 credits may help a student who is already at 18 credits avoid paying extra for this course.*

**FINL 400 Financial Literacy II**

*0-0.5 credit hour*

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. *Note: Passing this course with 0 credits meets one of Concordia's graduation requirements. Taking the course for 0.5 credits may be beneficial in accumulating 120 credits, or in establishing full-time status. Taking the course for 0 credits may help a student who is already at 18 credits avoid paying extra for this course.*

## FIRST YEAR EXPERIENCE

**FYE 101 First-Year Experience**

*1 credit hour*

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. 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.

## GEOGRAPHY

### **Geog 101 Introduction to Human Geography**

*3 credit hours*

This course examines the many human and cultural aspects found throughout the world. It focuses on the spatial distribution and interrelationships of language, religion, geopolitics, population, urbanization, health and disease, migration, conservation, and economic development.

### **Geog 202 World Regional Geography**

*3 credit hours*

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 credit hours*

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 291 Geography of Sports and Outdoor Recreation**

*3 credit hours*

Sports and outdoor recreation are extremely important components of American life and are multi-billion dollar industries. Where and why these activities take place is very geographic; this course examines the spatial distribution of sports and outdoor recreation in the United States. Students will utilize GIS mapping software and other Internet-based mapping programs to examine the distribution of different types of sports and outdoor activities, conduct research on select topics, learn from guest speakers, and participate in fieldwork. Same as ESci 291.

### **Geog 311 Geography of North America**

*3 credit hours*

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 202, or permission of instructor.

### **Geog 315 Environmental Science**

*3 credit hours*

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/Sci 315.

### **Geog 320 Resource Management in the National Parks**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 Introduction to GPS***3 credit hours*

Course provides students with an introduction to the Global Positioning System (GPS). Students will learn the history of GPS, how the system operates, and how it can be used in a variety of disciplines and professions. Students conduct a variety of exercises and research projects utilizing GPS functionality and integrating it with GIS and other Internet-based mapping programs such as Google Earth. Course fee. Same as ESci/Sci 385.

**Geog 391 Urban Geography***3 credit hours*

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 202, or permission of instructor.

**Geog 461 Advanced Geographic Information Systems***3 credit hours*

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, geo-referencing, and spatial data collection and analysis. Same as ESci 461. Prerequisite: ESci/Geog 361.

**Geog 490 Capstone Seminar***3 credit hours*

The capstone seminar provides students with the opportunity to integrate and apply learning from their entire college experience. Students will develop and complete a project in conjunction with the course instructor or other approved mentor. Approved projects will require students to use skills, methodology and knowledge to address important issues, explore key arguments, and critique common practices germane to their academic discipline. Internships and fieldwork experiences may also be acceptable projects. The course will also prepare students for the transition from college to graduate/professional school. Prerequisite: Senior standing.

**GERONTOLOGY****Gero 205 Adult Development and Aging***3 credit hours*

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.

**Gero 400 Issues in Gerontology and Aging Studies***3 credit hours*

This course provides students with an overview of issues and research in human and aging services. Course includes basics of reading and using research in the students' areas of specialization.

**Gero 401 Health Aspects of Aging***3 credit hours*

This course is designed to develop and expand knowledge and skill to understand and address contemporary health issues in aging. Reviews productive and healthy aging programs, normal aging, age correlated disease and lifespan health. Prerequisite: Gero 205. Same as HHP 401.

**Gero 402 Social Gerontology***3 credit hours*

Social gerontology is the study of the nonphysical aspects of human aging and includes the

psychological, social psychological and social aspects of aging. 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 selecting of topics from ageism, theories of development, family and relational networks, sexuality and gender, retirement and financial issues related to social development, and aging and economics. Prerequisite: Gero 205.

#### **Gero 403 Mental Health and Aging**

*3 credit hours*

This course will provide students with a comprehensive study of mental health issues associated with aging. Issues include: depression, dementia and the management of lifelong conditions in later life.

#### **Gero 404 Faith Development & Later Life**

*3 credit hours*

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 205.

#### **Gero 414 Aging Policy, Programs & Services**

*3 credit hours*

This course surveys contemporary policies, programs and services throughout the lifespan including the aging services network.

#### **Gero 415 Retirement & Lifespan Financial Issues**

*3 credit hours*

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 417 Aging and the Brain**

*3 credit hours*

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 and the Older Adult**

*3 credit hours*

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 credit hours*

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 420 Long-Term Care Nursing Administration**

*3 credit hours*

Overview of the functional organizational structure in long-term care facilities and the core competencies for nursing home administration as set by the National Association of Boards of Long term care. Provides an introduction to and application of relevant local, state, and federal laws and regulatory standards. Addresses significant resident and family resources, quality resident care, and financial management.

#### **Gero 421 Events and Activities Management**

*3 credit hours*

This course reviews strategies and philosophies in event planning and activity management for organizations and businesses. A special emphasis is given to creating educational, intergenerational and elder family programming and services.

#### **Gero 422 Intergenerational Programming and Activities**

*3 credit hours*

This course is an overview of issues and options in planning programs and activities for intergenerational groups.

#### **Gero 423 Geriatric Counseling**

*3 credit hours*

This course is an introduction to the treatment modalities and approaches to counseling older adults.

#### **Gero 425 Complementary Therapies**

*3 credit hours*

Applied theory and practice to support the use of complementary and alternative therapies with conventional therapies. Students learn to educate their clients about the complementary and alternative techniques for reducing pain such as focused breathing and relaxation, massage, guided imagery, music, humor, and distraction, as well as medication therapy used for reducing pain (conventional therapy).

#### **Gero 488 Conflict Resolution: Coaching**

*3 credit hours*

See Educ 488.

#### **Gero 489 Conflict Resolution: Mediation II**

*3 credit hours*

See Educ 489.



**Gero 498 Special Topics in Aging***3 credit hours*

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 credit hours*

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.

**GLOBAL MULTICULTURAL****GMC 270 Mission of God***3 credit hours*

This course provides students with an introductory overview of Christian mission practice as part of God's saving work in the world, including theology, history, methodology, and anthropology, to provide perspective and skills needed to be involved in and supportive of mission in every vocation.

**GMC 280 Missional Leadership***3 credit hours*

This course will give students an overview of biblical leadership and an understanding of their own leadership profile in a mission context. Students will investigate mission principles and best practices, combined with outreach methods and mission tools such as asset mapping and writing strategies for engagement in various mission outreach settings.

**GMC 290 Cross-Cultural Perspectives***2-3 credit hours*

This course provides for the practical application of Biblical principles for mission, offering cross-cultural perspectives and structures for lowering cross-cultural barriers and ethnocentric postures to make engagement and partnership successful in domestic or international mission. Students will actively participate in building cross-cultural perspective and reflection. (As a summer course, this can be combined with a summer mission trip for an additional service-learning credit).

**GMC 370 Mission Engagement (MissionShift)***3 credit hours*

This course will provide students with an understanding of mission principles and hands-on training in the use of mission tools and methods of

mission including asset mapping, communication strategies for outreach, and project development all done in partnership with local congregations.

**GMC 380 Special Topics in Culture and Ministry in Latvia***2 credit hours*

This course will explore Latvia, its people, historical and political developments, sociological structures, modern economic and business progress, ecclesiastical arena and ministry opportunities. The major experience for this course is a visit to Latvia to meet the people, engage in dialog with Latvians and explore their culture, modern and historical. This trip occurs over Thanksgiving break.

**GMC 390 Self-Direct Study***2 credit hours*

Student engages in a self-directed exploration of a global or multicultural context relevant to his or her major or area of study. Students will develop a project working with the Go World Resource Center and work directly with a faculty member on specific readings and other assignments to meet course objectives and learning goals. Permission of instructor required.

**GMC 470 Self Directed Study in Missions***3 credit hours*

This course offers students an opportunity to explore topics areas related to Christian World Missions with direct guidance from a qualified instructor. It provides advanced investigation in selected areas in the realm of intercultural ministry and involves active participation in cross-cultural activity, research, and/or reflection. Topic chosen and coursework decided upon in discussion with the instructor and program director.

**GMC 490 Capstone Experience***3 credit hours*

Student complete a capstone experience – a 3 hour self-directed study with at least 60 hours spent in an approved international or intercultural practicum experience. In addition, students will complete readings and responses, an activity log, journal, reflection paper and an oral presentation summarizing learnings gained from this experience.

**GREEK****Grk 101 Greek I***4 credit hours*

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 201 Greek II**

*4 credit hours*

A continuation of Grk 101. Selected passages for reading. Five hours per week. Prerequisite: Grk 101 or equivalent.

### **Grk 301 Greek III**

*3 credit hours*

An intensive review of Koine morphology, vocabulary, principle parts and grammar. The Gospel of John will be translated. Prerequisite: Grk 201 or equivalent.

### **Grk 401 Greek IV**

*3 credit hours*

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 301 or equivalent.

### **Grk 410 Acts**

*3 credit hours*

Reading the book of Acts with an emphasis on a close examination of grammatical and syntactical features. Prerequisite: Grk 401 or equivalent.

### **Grk 420 Pauline Epistles**

*3 credit hours*

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 401.

### **Grk 430 Textual Criticism and Intertestamental Relationships**

*3 credit hours*

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 201 and Heb 201. Same as Heb 440.

## **HEALTH AND HUMAN PERFORMANCE**

### **Activity Courses**

#### **HHP 100 Lifetime Wellness**

*1 credit hour*

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 credit hour*

Half semester.

#### **HHP 112 Lacrosse**

*.5 credit hour*

Half semester.

#### **HHP 116 Basketball**

*.5 credit hour*

Half semester.

#### **HHP 117 Soccer**

*.5 credit hour*

Half semester.

#### **HHP 118 Softball**

*.5 credit hour*

Half semester.

#### **HHP 132 Volleyball**

*.5 credit hour*

Half semester.

### **Leisure/Adventure Activity Courses**

#### **HHP 142 Orienteering**

*.5 credit hour*

Half semester. Development of map and compass skills.

#### **HHP 144 Recreational Sports**

*.5 credit hour*

Half semester. Includes horseshoes, bocce ball, eclipse ball and other activities.

#### **HHP 146 Adventure and Cooperative Activities**

*.5 credit hour*

Half semester. Challenge and trust-building activities including low ropes elements.

#### **HHP 147 Alpine Skiing \*\***

*.5 credit hour*

Half semester. Weekend ski trip required.

#### **HHP 148 Beginning Climbing\*\***

*.5 credit hour*

Half semester. A course in beginning wall climbing.

#### **HHP 149 Wilderness Adventure Activities\*\***

*.5 credit hour*

A summer school course. Activities may include mountain climbing, backpacking, hiking, mountain biking, rafting, canoeing.

## Individual/Dual Activity Courses

### HHP 135 Track and Field

*.5 credit hour*  
Half semester.

### HHP 152 Badminton

*.5 credit hour*  
Half semester.

### HHP 154 Golf\*\*

*.5 credit hour*  
Half semester.

### HHP 156 Tennis

*.5 credit hour*  
Half semester.

### HHP 157 Bowling\*\*

*.5 credit hour*  
Half semester.

### HHP 158 Racquetball \*\*

*.5 credit hour*  
Half semester.

## Dance Activity Courses

### HHP 153 Folk Dance

*.5 credit hour*  
Half semester.

### HHP 155 Square and Line Dance

*.5 credit hour*  
Half semester

## Fitness Activity Courses

### HHP 161 Aerobic Walking/Jogging

*.5 credit hour*  
Half semester

### HHP 162 Aquatic Fitness

*.5 credit hour*  
Half semester

### HHP 164 Cross Training

*.5 credit hour*  
Half semester

### HHP 166 Weight Training

*.5 credit hour*  
Half semester.

### HHP 168 Aerobics

*.5 credit hour*  
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 credit hour*  
Half semester.

### HHP 172 Swimming – Level II

*.5 credit hour*  
Half semester. Prerequisite: HHP 171.

### HHP 173 Swimming – Level III

*.5 credit hour*  
Half semester. Prerequisite: HHP 172.

### HHP 174 Swimming – Level IV

*.5 credit hour*  
Half semester. Prerequisite: HHP 173.

### HHP 175 Swimming – Level V

*.5 credit hour*  
Half semester. Prerequisite: HHP 174.

### HHP 176 Swimming – Level VI

*.5 credit hour*  
Half semester. Prerequisite: HHP 175.

### HHP 177 Swimming – Level VII

*.5 credit hour*  
Half semester. Prerequisite: HHP 176.

\*\*A course fee will be assessed.

## Theory Courses

### HHP 181 Elements of Health

*3 credit hours*  
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 credit hours*  
Safety, prevention of injuries, and first aid and CPR procedures as outlined by the American Red Cross. Course fee.

### HHP 228 Programs in Individual, Dual, and Team Sports

*3 credit hours*  
Students will use current teaching models to learn and evaluate age appropriate teaching progressions and assessment techniques of individual sports (e.g., track and field, golf, and bowling), dual sports (e.g.,

tennis, badminton, and racquetball) and team sports (e.g., basketball, soccer, volleyball). Students will become proficient in both performing and teaching specific skills related to the sports. Prerequisite: sophomore standing or higher.

**HHP 238 Programs in Rhythms and Dance**

*1 credit hour*

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 standing or higher.

**HHP 248 Programs in Leisure and Adventure Activities**

*1 credit hour*

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 standing or higher.

**HHP 261 Care and Prevention of Athletic Injuries**

*2 credit hours*

Intended to equip the student with sufficient knowledge and skill in the prevention, treatment and rehabilitation of injuries common to athletic activities. Course fee.

**HHP 270 Human Performance Laboratory Techniques**

*2 credit hours*

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 and Development**

*3 credit hours*

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 practitioner. Provides a knowledge base in the study of changes in motor behavior across the lifespan, the processes that underlie these changes and the factors that affect them.

**HHP 281 Health Topics: Drug Education**

*1 credit hour*

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 or concurrent enrollment.

**HHP 283 Health Topics: Consumer Health**

*1 credit hour*

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 credit hour*

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. Prerequisite: HHP 100 or concurrent enrollment.

**HHP 285 Health Topics: Nutrition**

*1 credit hour*

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 or concurrent enrollment.

**HHP 286 Health Topics: Men's Health**

*1 credit hour*

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 credit hour*

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 credit hour*

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 credit hour*

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 credit hours*

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 credit hours*

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 292 Foundations of Recreation & Sports**

*2 credit hours*

An introduction to the scope of recreation and sport 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 295 Psychology of Exercise**

*3 credit hours*

This course will cover: (a) psychological theories for understanding and predicting health-oriented exercise behavior; (b) psychological and psychobiological responses to exercise; (c) psychological interventions for increasing exercise participation and adherence. Prerequisite: Psy 101. Same as Psy 295.

### **HHP 298 Theory of Coaching**

*2 credit hours*

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 credit hours*

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/Bio 385; Bio 243, 343 or 344.

### **HHP 321 Coaching of Football**

*2 credit hours*

Designed to prepare the student for coaching by studying principles which control or influence the game of football. Prerequisite: HHP 111, HHP 298, or instructor's approval.

### **HHP 322 Coaching of Men's and Women's Basketball**

*2 credit hours*

A study of basketball with special emphasis on the skills necessary for coaching. Prerequisite: HHP 116, HHP 298, or instructor's approval.

### **HHP 323 Coaching of Softball/Baseball**

*2 credit hours*

Designed to prepare the student for coaching softball/baseball through classroom theory and laboratory experience. Prerequisite: HHP 118, HHP 298, or instructor's approval.

### **HHP 324 Coaching of Wrestling**

*2 credit hours*

The purpose of this course is to provide the student with the knowledge, skills, and abilities that will enable him or her to function as a successful wrestling coach. Prerequisite: HHP 298 or instructor's approval.

### **HHP 325 Coaching of Men's and Women's Track**

*2 credit hours*

A thorough study of track and field events, their rules, order, and the latest trends in training and coaching techniques. Prerequisite: HHP 135, HHP 298, or instructor's approval.

### **HHP 326 Coaching of Soccer**

*2 credit hours*

Designed to prepare the student for coaching soccer through classroom theory and laboratory experience. Prerequisite: HHP 117, HHP 298, or instructor's approval.

### **HHP 327 Coaching of Volleyball**

*2 credit hours*

Designed to prepare the student for coaching volleyball through classroom theory techniques and laboratory experience. Prerequisite: HHP 132, HHP 298, or instructor's approval.

**HHP 362 Internship in Coaching***2-3 credit hours*

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 298, 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 credit hour*

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, acceptance into the Education program, and upper-level standing.

**HHP 364 Physical Education Methods in Elementary Education***1 credit hour*

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, acceptance into the Education program, and upper-level standing.

**HHP 365 Physical Education in Elementary and Middle Level Education***3 credit hours*

A study of methods, materials, curriculum development and evaluation of physical education programs in elementary and middle level education. Prerequisite: HHP 100, HHP 291, acceptance into the Education program, and upper-level standing. 15 hours of field experience required. Same as Educ 365.

**HHP 366 Health Methods and Curriculum Design***3 credit hours*

A study of methods, materials, curriculum development, and evaluation of health education programs in the school. Prerequisite: HHP 181, acceptance in the Education program, and upper-level standing. Same as Educ 366.

**HHP 367 Recreational Programming***3 credit hours*

The principles and practices of conducting recreational programs for schools, churches, community organizations, and various populations. Emphasis will be on non-sport related recreation programming with administrative and leadership roles being stressed. Prerequisite: upper-level standing.

**HHP 369 Senior Seminar in Recreation & Sport Studies***1 credit hour*

A capstone course that allows students to integrate knowledge, experience and research in the exploration of professional issues and trends in recreation and sport. Prerequisite: senior standing.

**HHP 376 Secondary PE Methods and Curriculum Design***3 credit hours*

Methodological approaches to the teaching of physical education. Special attention is devoted to the implications of growth and development of the secondary school student for program planning, instructional techniques, and the theories, principles, and practices of curriculum development. Same as Educ 376.

**HHP 379 Senior Seminar in K-12 HPE***1 credit hour*

A capstone course that allows students to integrate knowledge, experience and research in the exploration of professional issues and trends in health and physical education. Prerequisite: senior standing

**HHP 385 Physiology of Exercise***3 credit hours*

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, coaching, and conditioning of the athlete. Prerequisite: upper-level standing; Bio 243, 343, or 344. Same as Bio 385.

**HHP 389 Senior Seminar in Health***1 credit hour*

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 390 Internship in Recreation***3 credit hours*

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 391 Internship in Sport Ministry**

*3 credit hours*

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 392 Internship in Fitness Studies**

*3 credit hours*

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 credit hours*

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 Internship in Sport Communication**

*3 credit hours*

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 395 Biomechanics**

*3 credit hours*

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, 343, or concurrent enrollment.

#### **HHP 396 Internship in Recreation & Sport Management**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hour*

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 401 Health Aspects of Aging**

*3 credit hours*

This course is designed to develop and expand knowledge and skill to understand and address contemporary health issues in aging productive and healthy aging programs, normal aging, age correlated disease and lifespan health. Prerequisite: Gero 205. Same as Gero 401.

**HHP 410 Essentials of Strength Training and Conditioning**

*3 credit hours*

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 462 Sport Ethics**

*3 credit hours*

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 credit hours*

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 Recreation and Sport**

*3 credit hours*

This course aims to provide an overview of the sociology of recreation and sport. It will focus on the relationships between recreation and sport and various institutions including education, family, politics, religion, and the economy. Prerequisite: upper-level standing.

**HHP 465 Human Diseases**

*3 credit hours*

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; upper-level standing. Same as Bio 465.

**HHP 467 Recreation Program Design**

*3 credit hours*

This course is designed to provide the skills and knowledge necessary to provide leadership in the designing, implementation and evaluation of community and privately-based recreation programs. Prerequisites: HHP 367 and upper-level standing.

**HHP 471 Adapted Physical Activity**

*3 credit hours*

The course focuses on the theories, principles, and practices of working with individuals with special needs in physical education, recreation, and sport programs. Prerequisite: Special Education program, PE major, or HHP major; upper-level standing or instructor permission. 10 hours of field experience required.

**HHP 480 Health and Human Sexuality**

*3 credit hours*

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, upper-level standing, or instructor permission.

**HHP 481 School Health Program**

*3 credit hours*

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**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 489 Global Health**

*2 credit hours; 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 491 Management of Physical Education, Recreation, and Sports**

*3 credit hours*

Acquaint students with the responsibilities and knowledge required in administering physical education, recreation and sports programs. Prerequisite: upper-level standing.

### **HHP 494 Measurement and Evaluation in Human Performance**

*3 credit hours*

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: Math 122 and upper-level standing.

### **HHP 495 Legal Aspects of Exercise, Recreation, and Sports**

*3 credit hours*

Legal concepts and principles related to the administration, instruction, training and coaching of exercise, recreation and sport. Issues regarding personnel, facilities, equipment, transportation, medical aspects, liability, age and gender will be examined. Prerequisite: upper-level standing or consent of instructor.

### **HHP 496 Recreation and Sport Facility Management**

*3 credit hours*

Management and design principles applied to recreation and sport areas and facilities. Emphasis on operation efficiency, scheduling, quality service, fiscal

responsibility and maintenance management and planning. Additional emphasis on physical accessibility of facilities. Prerequisite: upper-level standing.

## **HEBREW**

### **Heb 101 Biblical Hebrew I**

*4 credit hours*

An introduction to Biblical Hebrew grammar, vocabulary and syntax, coordinated with some translating activity in the Hebrew Bible. Five hours per week.

### **Heb 201 Biblical Hebrew II**

*4 credit hours*

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 301 Biblical Hebrew III**

*3 credit hours*

Further study of Biblical Hebrew vocabulary and syntax, coordinated with extensive reading in the narratives of Genesis. Prerequisite: Heb 201.

### **Heb 405 Syriac**

*3 credit hours*

An introduction to Syriac grammar, vocabulary, and syntax, coordinated with translating activity in the Peshitta and the Syriac fathers, including text critical studies of the Greek New Testament and the Hebrew Bible. Prerequisite: Heb 301.

### **Heb 410 Latter Prophets**

*3 credit hours*

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 301 or permission of instructor.

### **Heb 420 Exodus and Deuteronomy**

*3 credit hours*

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 201.

### **Heb 430 Psalms and Wisdom Literature**

*3 credit hours*

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 301 or permission of instructor.

**Heb 440 Textual Criticism and Intertestamental Relationships**

*3 credit hours*

See Grk 430.

## HISTORY

**Hist 115 United States History**

*3 credit hours*

This course examines the history of the United States from the American Revolution to the present by focusing on the significant people, trends, and events that have shaped the nation. The course is also designed to develop students' analytical reading and writing skills, as well as hone their ability to think historically.

**Hist 131 World Civilization I**

*3 credit hours*

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 credit hours*

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 301 Women in American History**

*3 credit hours*

This course takes a multicultural and interdisciplinary look at the lives, experiences, and roles of women in North American history from the founding to the present day. In addition to class lectures, students will read a variety of fiction and non-fiction sources as well as artistic and cultural representation by and depicting women.

**Hist 303 Modern China**

*3 credit hours*

This course examines the history of modern China from 1800 to the present day. It begins with an analysis of the Late Qing Dynasty (1800-1911) and assesses the forces that led to the demise of the Manchus and ushered in a period of revolution and political unrest. Topics to be examined include the Qing Dynasty, the Opium War, the Boxer Rebellion, the Republican Revolution of 1911, peasant rebellion,

western imperialism, the Civil War, the emergence of the People's Republic of China (1949) and the effects of free trade and globalization in China today. Prerequisite: sophomore standing or higher.

**Hist 304 Modern Middle East History**

*3 credit hours*

This course examines broadly the social and political changes in the Middle East from 1800 to the present. It will focus particularly on the Ottoman Empire, European colonialism, the development of Arab nationalism, Islamic purity and reform movements, the rise of modern Israel and the Palestinian authority, and the late twentieth century development of nation-states in the Middle East. Prerequisites: Hist 131, 132.

**Hist 306 The Atlantic World**

*3 credit hours*

This course examines the development of the "Atlantic World" or the world made by Europeans, Africans and Native Americans at land and at sea from roughly the mid-fifteenth century to the nineteenth century. Topics to be examined include the age of exploration and sail, the transatlantic slave trade, changing ideas of race, religion, gender and class and the Americas in the "Age of Revolution."

**Hist 307 The Early American Nation: 1789-1865**

*3 credit hours*

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. Prerequisites: Hist 115 and sophomore standing or higher.

**Hist 308 Gilded Age Progressive Area**

*3 credit hours*

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. Prerequisite: sophomore standing or higher.

**Hist 309 Isolation to World War II**

*3 credit hours*

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. Prerequisite: Sophomore standing and Hist 115 or instructor permission.

**Hist 311 American Foreign Relations***3 credit hours*

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. Same as PS 311.

**Hist 313 Religion and Society in the United States***3 credit hours*

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. Prerequisite: sophomore standing or higher.

**Hist 334 Early and Medieval Christianity***3 credit hours*

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. Prerequisite: sophomore standing or higher.

**Hist 335 The Renaissance and the Reformation***3 credit hours*

The beginning period of the modern world. The three main divisions: Renaissance, the Reformation, and the Catholic Reformation. Prerequisite: Upper-level standing.

**Hist 338 Ancient Rome***3 credit hours*

This course examines the history of Rome from its founding through the Imperial period. Particularly, it focuses on the formation of the Roman Republic, the expansion of the Republic's power, the Civil Wars, and finally the emergence of the Roman Empire throughout the Mediterranean World. We will analyze political, cultural, and religious events and ideas through reading ancient Roman writers' works. Prerequisite: sophomore standing or higher.

**Hist 339 Europe since 1914***3 credit hours*

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 credit hours*

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 400 Topics in World History***3 credit hours*

A topics and readings course that explores major issues or themes in World History. Areas of study may include: Africa, Asia, the Near East, and Latin America. Prerequisite: sophomore standing or higher and Hist 132.

**Hist 410 U.S. History Since 1945***3 credit hours*

A study of the social, economic, political, legal, cultural, and foreign policy issues before the American people since 1960.

**Hist 417 African American History***3 credit hours*

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 420 Immigration and Ethnicity in American History***3 credit hours*

This course surveys migration patterns into and within North America from colonial times to the present. It focuses on the various groups who have come to the United States and explores their reasons for migrating and their collective experiences once in America. This course will also investigate the role that legislation and ethnicity have played in determining the degree to which immigrants have been accepted or rejected into mainstream American society. Prerequisites: Hist 115 and sophomore standing or higher.

**Hist 421 Latin America***3 credit hours*

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 434 Medieval Crusades**

*3 credit hours*

This course examines the Crusades during the period in medieval Europe from the late eleventh century through the late thirteenth century. It also analyzes the influence of the Crusades on medieval European society and religion through a close reading of primary and secondary sources. Prerequisite: Upper-level standing.

### **Hist 451 Russia, the Soviet Union, and After**

*3 credit hours*

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. Prerequisite: Upper-level standing.

### **Hist 487 United States Constitutional History**

*3 credit hours*

This course explores the history of the United States Constitution through an examination of its creation in Philadelphia in 1787, subsequent amendments to the Constitution over the last two hundred years and the constitutional crises that have periodically confronted the country. Prerequisite: Sophomore standing and Hist 115 or instructor permission.

### **Hist 490 Capstone Seminar**

*3 credit hours*

The capstone seminar provides students with the opportunity to integrate and apply learning from their entire college experience. Students will develop and complete a project in conjunction with the course instructor or other approved mentor. Approved projects will require students to use skills, methodology and knowledge to address important issues, explore key arguments, and critique common practices germane to their academic discipline. Internships and fieldwork experiences may also be acceptable projects. The course will also prepare students for the transition from college to graduate/professional school. Prerequisite: Senior standing.

### **Hist 491 Senior Seminar in History**

*3 credit hours*

Students will craft a substantial research paper in history based on original sources, the topic of which is determined in consultation with the professor. Students will also be exposed to basic historical theory and trends in historiography. This course counts as the capstone for the history major.

### **Hist 499 Honors Course**

*1-3 credit hours*

Arranged for qualified seniors.

## **LATIN**

### **LAT 101 Latin I**

*3 credit hours*

An introduction to the grammar, vocabulary and syntax of Latin. Select sentences will be read.

### **LAT 102 Latin II**

*3 credit hours*

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 credit hours*

The fundamentals of elementary statistics, data collection and analysis, probability, distributions, sampling, hypothesis testing, correlation and regression.

### **Math 132 Intermediate Algebra**

*3 credit hours*

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 credit hours*

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 credit hours*

A study of elementary functions, their graphs and application, including polynomials, rational algebraic

functions, exponential, logarithmic and trigonometric functions.

### **Math 175 Finite Mathematics**

*3 credit hours*

Introduction to finite mathematics through the study of logic, sets, probability, statistics, game theory, vectors, matrices, and linear programming. Many applications.

### **Math 182 Calculus with Applications**

*3 credit hours*

An overview of calculus. Topics include limits, continuity, differentiation, exponential growth and decay, integration and the fundamental theorem of calculus. Applications to business, life sciences and social sciences will be emphasized. Prerequisite: four years of high school mathematics or equivalent.

### **Math 184 Calculus I**

*4 credit hours*

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: 4 years of high school mathematics or equivalent.

### **Math 186 Calculus II**

*4 credit hours*

A continuation of Calculus I. Topics studied include integration, analytical geometry and vectors in two-dimensional space, and techniques of integration. Prerequisite: A grade of C or higher in Math 184 or instructor's permission.

### **Math 201 Concepts of Mathematics I**

*3 credit hours*

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 credit hours*

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 credit hours*

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. Prerequisite: Sophomore level or higher, or instructor's permission.

### **Math 284 Calculus III**

*4 credit hours*

A continuation of Calculus II. A study of analytic geometry in three dimensional space, partial differentiation, multiple integration and infinite series. Prerequisite: A grade of C or higher in Math 186.

### **Math 301 Concepts of Mathematics II**

*3 credit hours*

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: A grade of a C or higher in Math 201 or one semester of calculus.

### **Math 305 Mathematics for Elementary/Middle Level Teachers**

*3 credit hours*

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 sophomore standing, or permission of the arts and sciences division or education division.

### **Math 315 History of Mathematics**

*1 credit hour*

The development of mathematics throughout 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 credit hours*

Math topics of interest, readings and problems in mathematics. Prerequisite: 15 hours of college mathematics or permission of instructor.

### **Math 321 Numerical Analysis**

*3 credit hours*

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 credit hours*

A study of mathematical statistics including probability distributions sampling theory, point estimation, methods of correlation and regression, and the principles of statistical inference. Prerequisite: A grade of a C or higher in Math 284 or concurrent registration.

### **Math 323 Foundations of Statistics II**

*3 credit hours*

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: A grade of a C or higher in Math 322.

### **Math 332 Abstract Algebra I**

*3 credit hours*

An introduction to algebraic structures with an emphasis on groups, subgroups, and group isomorphisms. A brief introduction to rings, domains and fields. Prerequisite: A grade of a C or higher in Math 252 and upper-level standing.

### **Math 333 Linear Algebra**

*3 credit hours*

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: A grade of a C or higher in Math 284; Math 252 is recommended.

### **Math 335 Number Theory**

*3 credit hours*

Mathematical induction, greatest common divisor, fundamental theorem of arithmetic, prime and composite integers, and congruences. Prerequisite: A grade of a C or higher in Math 252 and three semesters of college mathematics.

### **Math 342 Abstract Algebra II**

*3 credit hours*

A continuation of Math 332 with an emphasis on polynomials over integral domains and polynomials over field. Prerequisite: A grade of a C or higher in Math 332 or equivalent.

### **Math 348 Discrete Mathematics**

*3 credit hours*

See CS 348.

### **Math 365 Foundations of Geometry**

*3 credit hours*

An introduction to the general study of geometries including projective, finite, and non-Euclidean geometries. Prerequisites: high school geometry, three semesters of college mathematics and a grade of a C or higher in Math 252.

### **Math 382 Real Analysis I**

*3 credit hours*

Properties of the real number system, sequences, limits, continuity, the derivative, Riemann integral, the Fundamental Theorem of Calculus and series. Prerequisites: A grade of a C or higher in Math 252 and 284.

### **Math 383 Real Analysis II**

*3 credit hours*

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: A grade of a C or higher in Math 382.

### **Math 384 Differential Equations**

*3 credit hours*

A study of ordinary differential equations, first and higher order, systems linear and non-linear, their solutions and applications, including La Place Transforms. Prerequisite: A grade of a C or higher in Math 284.

### **Math 402 Practical Math Labs and Activities for Elementary Teachers**

*3 credit hours*

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 credit hours*

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: A grade of a C or higher in Math 322, 333, and 384.

## MUSIC

### **Mu 101 Elements of Music in the Digital Age**

*3 credit hours*

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**

*2 credit hours*

An in-depth study of the fundamentals of music theory with emphasis on the development of aural performance and perception. Content includes melodic, harmonic, and rhythmic dictation, sight singing, and contextual listening and identification. Students whose program requires music theory take Mu 102 concurrently with Mu 103. A grade of C or higher in this course is required in order to register for Mu 104.

### **Mu 103 Music Theory I**

*3 credit hours*

The procedures of writing and analyzing music in the common practice idiom. Topics include notation practices (manuscript and using computer), triads and seventh chords, figured bass, lead sheet notation, setting texts to music, transposition, voice leading, part writing using triads, and cadences. A grade of C or higher in this course is required in order to register for Mu 105.

### **Mu 104 Aural Skills II**

*2 credit hours*

A continuation of Mu 102. Content includes more advanced involvement in melodic, harmonic, and rhythmic dictation, sight singing, and contextual listening and identification. Students whose program requires this course normally take it concurrently with Mu 105. Prerequisite: a grade of C or higher in Mu 102. A grade of C or higher in this course is required in order to register for Mu 202.

### **Mu 105 Music Theory II**

*3 credit hours*

A continuation of Mu 103. 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. A grade of C or higher in this course is required in order to register for Mu 203.

### **Mu 111 Music Appreciation**

*3 credit hours*

This course is a music appreciation course designed for the non-music major. It will cover the basic elements of music as well as the trends throughout music history.

### **Mu 115 History of Rock**

*3 credit hours*

A survey of the early history of rock music, including its antecedents in rhythm and blues and country. The course consists of two areas of study: (1) analysis of musical characteristics and evolving styles, and (2) a consideration of the sociopolitical impact rock music has had on the second half of the twentieth century, with emphasis on the role of rock as an important voice of the counterculture. Rock's interconnection with other arts such as film and poetry will also be discussed. The ability to read music is not required.

### **Mu 161 Introduction to Music Therapy**

*3 credit hours*

This course will introduce the profession of music therapy. Students will explore research literature, analyze public awareness of music therapy, observe and measure the effectiveness of music therapy techniques, and develop a working definition of music therapy. Course assignments and field experiences will reinforce course content.

### **Mu 202 Aural Skills III**

*2 credit hours*

A continuation of Mu 104. Content includes local chromaticism, melodic and harmonic modulations to closely related keys, and aural identification of these elements within the context of larger excerpts. Methods include sight singing, melodic dictation, harmonic dictation and analytical listening. Prerequisite: a grade of C or higher in Mu 104. A grade of C or higher in this course is required in order to register for Mu 204.

### **Mu 203 Music Theory III**

*3 credit hours*

A continuation of Mu 105. Topics include chromatic harmonies, borrowed chords, Neapolitan chords, augmented sixth chords, and 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. A grade of C or higher in this course is required in order to register for Mu 205.

### **Mu 204 Aural Skills IV**

*2 credit hours*

A continuation of Mu 202. Content includes those from prior semesters, plus modal and atonal melodies, and mixed and asymmetrical meters. Methods include sight singing, melodic dictation, harmonic dictation and analytical listening. Prerequisite: a grade of C or higher in Mu 202.

#### **Mu 205 Music Theory IV**

*3 credit hours*

A continuation of Mu 203. Topics include 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; and analysis of and composition in the techniques and procedures of contemporary and electronic music. Prerequisite: a grade of C or higher in Mu 203.

#### **Mu 211 Music History to 1750**

*3 credit hours*

A survey of music literature and history from ancient times to about 1750. Prerequisite: Mu 105.

#### **Mu 212 Music History since 1750**

*3 credit hours*

A survey of music literature and history from about 1750 to the present day. Prerequisite: Mu 105.

#### **Mu 213 World Music**

*3 credit hours*

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 comparison of historical and contemporary performance practices. Prerequisite: Mu 105 or instructor permission.

#### **Mu 214 Jazz: An American Experience**

*3 credit hours*

An exploration of the fundamentals of jazz. Topics include jazz styles, eras, and musical forms; the experiences of American cultural identity and how this heritage shaped the development of jazz.

#### **Mu 303 Arranging**

*2 credit hours*

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 credit hours*

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 (whichever is relevant), or permission of instructor.

#### **Mu 331 Basic Conducting**

*2 credit hours*

Techniques of conducting and rehearsal procedures are emphasized through a study of literature suitable for school or church.

#### **Mu 332 Instrumental Conducting**

*2 credit hours*

The study of specific conducting techniques required for instrumental ensembles. Prerequisite: Mu 331.

#### **Mu 333 Choral Conducting**

*2 credit hours*

The study of specific conducting techniques required for leading choral rehearsals and performances. Prerequisite: Mu 331.

#### **Mu 334 Choral Literature and Development**

*2 credit hours*

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.

#### **Mu 354 Diction**

*2 credit hours*

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 399 Independent Study**

*1-3 credit hours*

Hours and topics by arrangement with instructor. Used to pursue special interests in music.

#### **Mu 493 Senior Project**

*1-2 credit hours*

The capstone experience in the undergraduate study of music. Normally consists of a public recital with a supporting written document. Enrollment limited to music majors. Students in education programs register for 1 hour; all others register for 2 hours.

### **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. There are four levels of instruction. Students with no prior experience should register for 100-level. Students with prior experience or training should register for the 200-level. Advanced skills and abilities are required to register for 300 & 400 levels (instructor permission needed).

Course fees are charged for applied instruction in addition to tuition (except for MuAp 151, 161, and 171, which are all group lessons).

MuAp x11 Trumpet

MuAp x12 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 Double Bass

MuAp x41 Percussion

MuAp x51 Voice

MuAp x61 Guitar

MuAp x62 Bass Guitar

MuAp x71 Piano (classical repertoire, 16<sup>th</sup> century to present)

MuAp x73 Harpsichord

MuAp x81 Organ

MuAp 291, 391, 491 Composition (prereq.: Mu 105)

**The following Applied Music courses are also offered:**

MuAp 182 Service Playing

MuAp 272 Keyboard Skills (focuses on realizing lead sheets and playing short pieces and hymns)

MuAp 375 Jazz/Rock Piano (prerequisite: MuAp 271)

MuAp 383 Organ Improvisation

MuAp 384 Organ Accompanying

MuAp 475 Jazz/Rock Piano (prerequisite: MuAp 271)

Applied music lessons are available for one credit; music majors, and advanced students with permission of the instructor, may register for one or two credits. An exception is MuAp 171 Piano, which is taken for two credits and is available to all students regardless of major.

Applied music courses cannot be audited.

## MUSIC: CHURCH MUSIC

### ChMu 174 Songwriting for Contemporary Worship

*2 credit hours*

An introduction to songwriting techniques used for composing songs in rock and jazz influenced styles for contemporary worship.

### ChMu 213 Literature of the Organ

*1 credit hour*

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 used in the Lutheran service.

### ChMu 231 Contemporary Church Music Administration

*1 credit hour*

A course designed to study leadership skills needed to create and administrate a worship arts program utilizing a variety of messengers.

### ChMu 275 Hymn Adaptations

*2 credit hours*

An introduction to hymn adaptations using techniques influenced by jazz, such as bossa nova, rhythm and blues, and rock and jazz-influenced ballads. Prerequisite: Mu 105 with a grade of C or higher.

### ChMu 282 Media in Contemporary Worship

*2 credit hours*

An introduction to various recording, live sound, and visual media techniques used in a variety of worship and community outreach environments.

### ChMu 313 Christian Hymnody

*2 credit hours*

A historical study of the hymns of western Christianity. Although those used by Lutherans will be a particular focus, the course includes hymns from all traditions. Prior experience in music is helpful, but not required.

### ChMu 315 Organ Registration

*1 credit hour*

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 churches.

### ChMu 411 Christian Liturgy

*3 credit hours*

A history of Christian liturgy from earliest times to present with particular attention paid to Lutheran use. Includes a discussion of theological, textual, musical and cultural issues. Prior experience in music is not required.

**ChMu 431 Liturgical Church Music Administration***2 credit hours*

The administration of a comprehensive church music program, with consideration of professional and ethical issues for church musicians. Primarily for students with a major in church music. Prerequisite or co-requisite: ChMu 313 and 411, or permission of instructor.

**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, although some require auditions. Grading for ensembles is pass/fail, and all may be taken for credit or audited (although certain programs require them to be taken for credit-check program requirements).

**Mu 232 Male Chorus***1 credit hour*

Easy to moderately difficult choral literature in male voice arrangements. Participation includes performances in chapel, church services, at Christmas at Concordia, and for the Spring Concert. Some music may be performed together with the Women's Chorale. Rehearses three 50-minute class periods per week. No audition is required.

**Mu 233 Women's Chorale***1 credit hour*

Easy to moderately difficult choral literature in female voice arrangements. Participation includes performances in chapel, church services, at Christmas at Concordia, and for the Spring Concert. Some music may be performed together with the Male Chorus. Rehearses three 50-minute class periods per week.

**Mu 236 University A Cappella Choir***1 credit hour*

The University A Cappella Choir is the concert choir of the university and the premier choral ensemble. Repertoire for the 72-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. Rehearses five 50-minute class period per week plus sectionals. Membership is by audition.

**Mu 237 University Chamber Choir***1 credit hour*

The University Chamber Choir is a 16-voice select choir that sings a diverse repertoire of chamber choral music and Vocal Jazz. The group travels regionally and nationally. Members are chosen from the University A Cappella Choir. Rehearses two 50-minute class periods per week plus sectionals.

**Mu 241 University Symphonic Band***1 credit hour*

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 traditional literature to new commissions to music of other cultures. The ensemble keeps an active rehearsal schedule and travels both regionally and nationally. Rehearses 3 days per week for a total of 5 hours. Membership is by audition.

**Mu 242 University Concert Band***1 credit hour*

The University Concert Band performs a diverse array of sacred and traditional concert band repertoire. Membership is open to all Concordia students and members of the community. The group rehearses two hours per week and typically has two concert performances each semester. The University Concert Band is an open enrollment ensemble with auditions conducted for placement within each section.

**Mu 243 Bulldog Band***1 credit hour*

A highly spirited ensemble that supports and enriches the Concordia community through regular performances at football and basketball games. Rehearses one hour per week. No audition is required.

**Mu 244 Brass Ensemble***1 credit hour*

A chamber ensemble that performs music appropriate for the brass idiom. A broad range of literature is explored from the Renaissance to the 21st century. Rehearses 2 days per week for a total of 3 hours; performs frequently for chapel and off-campus events. Membership is by audition.

**Mu 245 Small Ensemble***1 credit hour*

Study of ensemble literature for homogeneous groups of strings, winds, or percussion; or mixed ensembles including keyboard instruments and/or voice. Most

groups rehearse 1 hour per week. Membership is open to all with the prior permission of the instructor.

#### **Mu 246 Jazz Ensemble**

*1 credit hour*

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. Rehearses 2 hours per week. Membership is by audition.

#### **Mu 247 Handbell Choir**

*1 credit hour*

The handbell choirs prepare works from standard handbell literature for use in concerts and worship services on and off campus. The beginning choir rehearses 1 hour per week; the advanced choir rehearses 2 hours per week. Membership is by audition.

#### **Mu 248 Chamber Orchestra**

*1 credit hour*

The Concordia University Chamber Orchestra studies and performs literature for a small orchestra of strings and winds.

#### **Mu 252 University Praise Band**

*1 credit hour*

The University Praise Band studies and performs many of the top 100 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 and off campus. Rehearses 2 hours per week. Membership is by audition. P/F.

### **MUSIC: SCHOOL MUSIC**

#### **ScMu 262 Techniques in Woodwinds**

*2 credit hours*

Playing techniques of woodwind instruments, including flute, oboe, clarinet, bassoon and saxophone. Topics include correct tone production, knowledge of fingerings on all woodwind instruments, and the care of instruments. Students will acquire sufficient facility on each instrument to be able to demonstrate various teaching techniques.

#### **ScMu 263 Techniques in Brass**

*2 credit hours*

Playing techniques of the trumpet, horn, trombone, baritone and tuba. Topics include tone production, posture, breathing, and articulation. Students will acquire sufficient facility in each instrument to be able to demonstrate various teaching techniques.

#### **ScMu 264 Techniques in Percussion**

*2 credit hours*

Percussion techniques are developed with emphasis on the snare drum. Timpani, mallet instruments, Latin American instruments, and cymbal techniques are also covered. Students will acquire sufficient facility in each instrument to be able to demonstrate various teaching techniques.

#### **ScMu 265 Techniques in Strings**

*2 credit hours*

Elementary instruction in violin, viola, cello and bass, including tuning, bowing, fingering, knowledge of positions and care of instruments. Students will acquire sufficient facility in each instrument to be able to demonstrate various teaching techniques.

#### **ScMu 317 Instrumental Literature and Development**

*2 credit hours*

A study of available instrumental solo and ensemble literature suitable for programs at the elementary and secondary levels. Special consideration is given to concerted music useful for worship services.

#### **ScMu 328 Methods of Elementary Music**

*3 credit hours*

The place and importance of classroom music for all children. Techniques of teaching the elements of music from a developmental perspective; using materials, creativity, classroom instruments, singing, movement and technology.

#### **ScMu 361 Marching Band Techniques**

*1 credit hour*

An introduction to music arranging and drill writing for the marching band. Covers methodologies and pedagogy of marching maneuvers and drill rehearsing, music selections, and show design.

#### **ScMu 431 Organization and Administration of Elementary and Secondary Music**

*2 credit hours*

A study of the organizational structure of the total K–12 music program, with special emphasis on developing a philosophy of music education, curriculum, administration, supervision, and development of classroom and special music programs and organizations.

### **NURSING (For Degree Completion Program Students Only)**

#### **Nur 400 Pathophysiology**

*3 credit hours*

Prepares students with a foundation for understanding major pathophysiology, applied Pharmacology methods, and related nursing implications to pathologic human development.

#### **Nur 410 Professional Roles, Issues, and Nursing Theories**

*3 credit hours*

Focus is upon the bridge to baccalaureate education, the socialization process, and professional transition in nursing roles. This course examines current local, national, and international healthcare and nursing issues, including the discussion of theory development and application as currently evolving issues in healthcare and nursing. Implications on integrating a personal philosophy of nursing that serves as a holistic and culturally-sensitive framework are emphasized.

#### **Nur 415 Introduction to Nursing Research and Evidence-Based Practice**

*3 credit hours*

Examines the basic overview of the research process, clinical judgment, and current evidence-based practice utilized in nursing. Emphasis is on the review, critique, and application of published nursing research with consideration of the utilization of research findings in clinical practice. Ethical and legal considerations in nursing research are addressed.

Prerequisite: Statistics

#### **Nur 420 Forensic Nursing**

*3 credit hours*

Forensic Nursing combines aspects of psychology, sociology, medicine, law and forensic science. Forensic nurses work with the living, deceased, the accused and the condemned in criminal investigations, crimes, traumas, legal cases, and evidence-based patient treatment. Students will learn how to take their assessment skills to a higher level, utilize precise documentation and identify injuries due to violence and trauma, while complying with the Joint Commission's statement which addresses new standards for hospitals' response to abuse, trauma and violence.

#### **Nur 426 Parish Nursing**

*3 credit hours*

Designed to understand the Parish nurse's role in the health care, community, and congregational settings. Emphasis is placed on spiritual care, integration of faith and health, health education, professional counsel, volunteer training and advocacy.

#### **Nur 427 Theories and Applications in Nursing Informatics**

*3 credit hours*

Theory and application of health information technology. Includes training in the use of healthcare technology and an introduction to trends and future trends in health informatics.

#### **Nur 430 Issues of Aging and Longevity**

*3 credit hours*

Develops the student's knowledge of normal aging and nursing skills critical to the care of older adults. Includes issues related to the aging client in the community and the challenges of healthcare issues confronted by aging clients. Emphasis is on caring for the older adult and providing health promotion, disease prevention, illness care, restoration, rehabilitation, health counseling, education, spiritual care, and client advocate. Incorporate safe practicum experiences with effective decision making within community or healthcare setting. Prerequisite: Lifespan Development or related course/demonstrated proficiency.

#### **Nur 484 Health Assessment and Promotion for Community Nursing: Theory and Practice**

*5 credit hours*

Students study the nature, extent, and causes of the basic community health problems to build an understanding of the purpose, function, organization and administration of community health services at local, state, and national levels. Includes clinical component.

#### **Nur 485 Diverse and Vulnerable Population-Based Health**

*3 credit hours*

Serves to explore epidemiology with underserved and vulnerable populations applied to preserving, promoting, and maintaining the health of the global and diverse population and grounded in social justice.

#### **Nur 486 Nursing Management and Servant Leadership**

*3 credit hours*

Evaluates role of nurse manager in the healthcare setting, including management theory, concepts and integrating technology for efficient practice. Emphasis on the impact of power, politics, policy, and regulatory guidelines on the role of leadership, effective communication, and ethical decision making skills within the organizational structure.

#### **Nur 499 Practicum**

*4 credit hours*

The practicum requires students to conduct programmatic research and implement a project in their area of professional interest. Students must interview with and gain permission from the program director before enrolling.

## **ORGANIZATIONAL MANAGEMENT (For Degree Completion Program Students Only)**

### **ORGM 301 Group and Organizational Behavior**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 407 Organizational Communication**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 412 Marketing in a Global Economy**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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.

## **PHILOSOPHY**

#### **Phil 301 Concepts in Philosophy**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

See Math 219.

#### **Phil 499 Honors Course**

*3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

Lecture 3, Lab. 2. Continuation of Phys 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 credit hour*

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 credit hour*

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 credit hours*

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 credit hours*

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 credit hours*

Lecture 3. See Science 331.

### **Phys 351 Classroom Activities with Physical Science**

*3 credit hours*

Lecture 1, Lab. 4. See Sci 351.

### **Phys 353 Thermodynamics**

*3 credit hours*

See Chem 353.

### **Phys 354 Quantum Mechanics**

*3 credit hours*

See Chem 354.

### **Phys 355 Physical Chemistry Laboratory**

*1 credit hour*

Lab. 3. Same as Chem 355.

### **Phys 356 Physical Chemistry Laboratory II**

*1 credit hour*

Lab. 3. Same as Chem 356.

### **Phys 371 Electronics**

*3 credit hours*

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 credit hours*

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 credit hour*

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 credit hours*

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 credit hours*

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 credit hours*

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.

### **Phys 399 Research in Physics**

*2 credit hours*

Capstone course in physics. Students perform supervised independent research in physics, and also learn about issues related to the profession. Prerequisites: Phys 381 and 382 and permission of the instructor.

### **Phys 498 Physics Internship**

*1-3 credit hours*

Students gain experience in a physics related field by working in an internship position under the direct supervision of a physicist and/or an engineer. Students should consult the physics faculty and the director of career planning and placement and also pick up a copy of the guidelines and internship forms from the Office of Career Planning and Placement. Prerequisites: Phys 111, Phys 112, Phys 381, Phys 382, minimum junior standing and permission of the physics faculty.

## **POLITICAL SCIENCE**

### **PS 111 American Government**

*3 credit hours*

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.

### **PS 211 Global Issues**

*3 credit hours*

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.

### **PS 311 American Foreign Relations**

*3 credit hours*

See Hist 311.

## **PSYCHOLOGY**

### **Psy 101 Introduction to Psychology**

*3 credit hours*

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 211 Child Development and Psychology**

*2 credit hours*

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 credit hour*

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 required. Prerequisite: Psy 211, or take simultaneously, and sophomore standing.

### **Psy 221 Lifespan Development**

*3 credit hours*

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 credit hours*

Addresses 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 credit hours*

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 HHP 290.

**Psy 295 Psychology of Exercise***3 credit hours*

This course will cover: (a) psychological theories for understanding and predicting health-oriented exercise behavior; (b) psychological and psychobiological responses to exercise; (c) psychological interventions for increasing exercise participation and adherence. Prerequisite: Psy 101. Same as HHP 295.

**Psy 306 Introduction to Psychological and Social Research***3 credit hours*

See Soc 306.

**Psy 324 Psychology of Exceptionality***3 credit hours*

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(s): Sophomore standing. Education: EDPS 210, Psychology majors: Psy 101. 12 hours of field experience is required.

**Psy 341 Group Techniques***3 credit hours*

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 345 Social Psychology***3 credit hours*

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. Same as Soc

345. Prerequisite: Psy 101 or Soc 101.

**Psy 385 Psychological and Sociological Analysis of Modern Literature***3 credit hours*

See Eng 385.

**Psy 406 Applied Research***3 credit hours*

See Soc 406.

**Psy 421 Adolescent Psychology and Development***2-3 credit hours*

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***2 credit hours*

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 credit hours*

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 undergird an effort to effectively listen and respond to another person and 4) develop a personal philosophy of helping. Prerequisites: Psy 101 and upper-level standing.

**Psy 445 Abnormal Psychology***3 credit hours*

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 446 Case Studies in Abnormal Psychology***1-3 credit hours*

In-depth studies of individuals who live with mental

illness will be conducted using auto-biographical accounts of their lives. Students will be required to use knowledge learned in all previous psychology courses (especially Psy 445) to participate in discussions and to complete assignments. Prerequisite: Psy 445.

### **Psy 451 Personality Theory**

*3 credit hours*

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 Internship in Psychology**

*1-3 credit hours*

The internship 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 490 Capstone Seminar**

*3 credit hours*

The capstone seminar provides students with the opportunity to integrate and apply learning from their entire college experience. Students will develop and complete a project in conjunction with the course instructor or other approved mentor. Approved projects will require students to use skills, methodology and knowledge to address important issues, explore key arguments, and critique common practices germane to their academic discipline. Internships and fieldwork experiences may also be acceptable projects. The course will also prepare students for the transition from college to graduate/professional school. Prerequisite: Senior standing.

### **Psy 499 Psychology Honors**

*1 credit hour*

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 credit hours*

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 120 History and Literature of the Old Testament**

*3 credit hours*

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. Offered within the Degree Completion Program only.

### **Rel 121 History and Literature of the Old Testament**

*3 credit hours*

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 130 History and Literature of the New Testament**

*3 credit hours*

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. Offered within the Degree Completion Program only.

### **Rel 131 History and Literature of the New Testament**

*3 credit hours*

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.

### **Rel 220 Faith, Life and Nursing**

*3 credit hours*

This course examines the implications of Lutheran Christian theology for an understanding of vocation at both the personal and corporate levels to develop nursing professionals as ethical decision makers. The emphasis of the course is on the application to life of biblically based Lutheran theology. Integration of

biblical ethics into personal and professional decision making with an emphasis on nursing practice.

## R.O.T.C.

R.O.T.C. courses are held on UNL's main campus in Lincoln. Registration with UNL is required. Check with the Registrar's Office.

### **AERO 185/185L Foundation of the United States Air Force I/Leadership Lab**

*1/0 credit hour*

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 credit hour*

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 credit hour*

Prerequisite: 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 U.S. airpower. Lab introduces cadet leadership training with practical experience.

### **AERO 296/296L The Evolution of US Air and Space Power II/Leadership Lab**

*1 credit hour*

Prerequisite: 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 credit hours*

Prerequisite: 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 credit hours*

Prerequisite: 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 credit hours*

Prerequisite: 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 credit hours*

Prerequisite: 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 credit hour*

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 credit hour*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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. Prerequisites: H.S. biology, chemistry, and physics or equivalent.

**Sci 230 Introduction to Forensic Science – Lecture***3 credit hours*

Lecture 3. See Bio 230.

**Sci 231 Introduction to Forensic Science – Lab***1 credit hour*

Lab. 2. See Bio 231.

**Sci 281 Physical Geography and Geology***4 credit hours*

Lecture 3, Lab. 2. See Geog 281.

**Sci 315 Environmental Science***3 credit hours*

See Geog 315.

**Sci 331 Descriptive Astronomy***3 credit hours*

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 credit hours*

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 credit hour*

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 credit hours*

See Geog 381.

### **Sci 385 Introduction to GPS**

*3 credit hours*

See Geog 385.

## **SERVICE LEARNING**

### **SL 370 Leadership Lab**

*2 credit hours*

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 credit hours*

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**

*1-3 credit hours*

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. Independent Study fees apply. Prerequisites: junior or senior standing, declared

major, and approved proposal are required.

## **SOCIAL WORK**

### **SW 201 Introduction to Social Work**

*3 credit hours*

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 credit hours*

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 credit hours*

A continuation of SW 311. 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 required process.

## **SOCIOLOGY**

### **Soc 101 Introduction to Sociology**

*3 credit hours*

Systematic analysis of culture, society, socialization, social control, social processes, and social institutions.

### **Soc 201 Cultural Anthropology**

*3 credit hours*

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 credit hours*

Examines major social issues in America society, problems of the young and the elderly, alienation, deviant behavior, ecological problems, bureaucratic structure vis-à-vis individual freedom, and social disorganization. Prerequisite: Soc 101.

**Soc 306 Introduction to Psychological and Social Research***3 credit hours*

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 credit hours*

The structure, functioning, and traits of urban society. Urban growth, ecology, culture problems and planning. Prerequisite: Soc 101.

**Soc/CJ 321 Criminology***3 credit hours*

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.

**Soc 322 Criminal Justice***3 credit hours*

This is an introductory class to the study of criminal justice. Students will be introduced to the history of the American Criminal Justice system and its primary components: law enforcement, courts, corrections, police work, types of crime and responses to crime. Prerequisite: Soc 101.

**Soc/CJ 325 Topics in Criminal Justice/Criminology***3 credit hours*

This class is designed to offer variable topics in the field of criminology or criminal justice. Topics will go in depth on a particular topic to expand knowledge and skill in this specific area. Further description will be given for individual topics. This class may be repeated with different topics.

**Soc 331 The Family***3 credit hours*

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. I only. Prerequisite: Soc 101.

**Soc 333 Social Gerontology***3 credit hours*

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 credit hours*

Analyzes sociological theories pertaining to religion. Studies research data regarding the structure 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 credit hours*

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. Same as Psy 345. Prerequisite: Soc 101 or Psy 101.

**Soc 361 Social Theory***3 credit hours*

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 credit hours*

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 credit hours*

May be taken as a sociology elective. See Hist 417.

**Soc 481 Internship in Sociology***3 credit hours*

The internship in sociology is a planned and supervised educational experience which integrates the knowledge and theory of sociology gained through course work with field experience. Students observe professionals in the field and participate as determined between the supervisor of that organization and the student. Students must contact the Office of Career Services to obtain the undergraduate internship/practicum packet and complete the required process. Prerequisite: Upper level standing.

**Soc 490 Capstone Seminar***3 credit hours*

The capstone seminar provides students with the opportunity to integrate and apply learning from their entire college experience. Students will develop and complete a project in conjunction with the course instructor or other approved mentor. Approved projects will require students to use skills, methodology and knowledge to address important issues, explore key arguments, and critique common practices germane to their academic discipline. Internships and fieldwork experiences may also be acceptable projects. The course will also prepare students for the transition from college to graduate/professional school. Prerequisite: Senior standing.

**Soc 499 Honors Course***1-3 credit hours*

Arranged for qualified seniors.

**SPANISH****Span 101 Beginning Spanish I***3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 305 Advanced Spanish Grammar and Communication***3 credit hours*

A course focusing on advanced grammatical features of Spanish. Emphasis also placed on utilizing the topics of study in conversation and other interactive activities. Prerequisite: Span 203 or 204 or permission of the instructor.

**Span 321 Spanish Civilization and Culture***3 credit hours*

This course explores the history, culture and civilization of Spain. Prerequisite: Span 202.

**Span 331 Latin American Culture***3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

Topic or program hours by arrangement.

**THEOLOGY****Theo 209 Faith and Life***3 credit hours*

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. Offered within the Degree Completion Program only.

**Theo 210 Faith and Life***3 credit hours*

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 credit hours*

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on selected Old Testament prophetic books. Prerequisite: Rel 121.

**Theo 242 Interpretation of Selected Psalms***3 credit hours*

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on selected Psalms. Prerequisite: Rel 121.

**Theo 251 Interpretation of Selected Pauline Epistles***3 credit hours*

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on selected Pauline Epistles. Prerequisite: Rel 131.

**Theo 252 Interpretation of the Gospels***3 credit hours*

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on the Gospels. Prerequisite: Rel 131.

**Theo 331 Studies in the Life of Christ***3 credit hours*

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 333 Devotion to Christ***3 credit hours*

This course will expose the student to historical developments within the Lutheran tradition and current cultural movements in the US which impact one's devotional life in Christ. This is an interdisciplinary and practical approach to understanding, developing and practicing devotion to Christ. The student will also serve others by leading them in a maturing devotional life. Prerequisites: Theo 210 and upper-level standing.

**Theo 361 Christian Doctrine I***3 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 and Religious Movements**

*3 credit hours*

This course is a comparative study of the major Christian denominations and religious movements which focuses on Biblical, religious, and theological emphases, organizational polity, cultural and historical backgrounds, and analyzes these aspects and contributions to ethnicities, cultures, religion and social dynamics within the world.

**Theo 381 Christian Teacher's Ministry**

*2 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hour*

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 credit hours*

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 credit hours*

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 credit hours*

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 credit hours*

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 482 Nurturing Faith through Family, School and Congregation**

*3 credit hours*

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 credit hours*

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 489 Ministry in a Changing World**

*3 credit hours*

This course analyzes and evaluates selected societal issues, examining and assessing how Christians as the Church are responding or might respond to them. Using theological foundations of Law and Gospel, the student will reflect thoughtfully on the character of Christian discipleship in the contemporary world and examine and refine his or her understanding of individual and corporate ministry. This course does not seek to impose ready-made answers to the issues studied, but to stimulate questions and serious reflection on the character of Christian discipleship in the face of significant social issues in today's global community. Prerequisites: Rel-121 and 131; Theo 210.

**Theo 499 Honors Course**

*1-3 credit hours*

Arranged for qualified seniors.

# ADMINISTRATION AND FACULTY

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Leigh Lewis, Development Prospect Researcher

John Mehl, Director of Mission Partnerships and University Relations  
Michael Mettenbrink, Major Gifts Officer  
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Jan Tonjes, Coordinator of Resource Development Operations

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Rev. Ryan Matthias, Campus Pastor

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## Faculty

### **Albright, Brian**

#### **Associate 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.

### **Anderson, Vicki M.**

#### **Associate Professor of Education**

B.A., Summit Christian College, Fort Wayne, Ind.; M.A., Ball State University, Muncie, Ind.; Ph.D., Indiana University, Bloomington, Ind. At Concordia since 2012.

### **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, Curtis**

#### **Associate Professor of Business Administration**

M.S., Kansas State University, Manhattan, Kan.; Ph.D., University of Nebraska, Lincoln, Neb.

### **Beck, Tobin**

#### **Assistant Professor of Journalism and Political Science**

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, Mo. 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**

#### **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****Assistant Professor of Art, MFA, Art Institute of Boston**

B.F.A., Concordia University, Neb. At Concordia since 2007.

**Bork, Ron****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.

**Callahan, Connie****Assistant Professor of Biology**

B.A., University of Nebraska, Omaha, Neb.; M.A., University of Nebraska, Omaha, Neb.; Ph.D., University of Nebraska Medical Center, Omaha, Neb. At Concordia since 2002.

**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****Associate 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.

**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, Heidi**

**Assistant Professor of Nursing**

B.S.N, M.S.N., College of Nursing, University of Nebraska Medical Center, Omaha, Neb.

**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.

**Haley, Gabriel**

**Assistant Professor of English**

B.A., Hillsdale College, Hillsdale, Mich.; M.A., Ph.D., University of Virginia. At Concordia since 2013.

**Harms, Nolan**

**Assistant Professor of Health and Human Performance**

B.S., Creighton University, Omaha, Neb.; M.S., Kansas State University, Manhattan, Kan. At Concordia since 2009.

**Haidorn, Timothy**

**Assistant Professor of Business Administration**

B.S., University of Nebraska, Lincoln, Neb.; M.S., University of Nebraska, Lincoln, Neb.; M.B.A., Indiana University, Bloomington, Ind. At Concordia since 2010.

**Helmer, Joel**

**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**

**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.

**Hermann, Robert A.**

**Professor of Physics**

B.S. in Education, Concordia College, Seward, Neb.; Ph.D., University of Wyoming. At Concordia since 1999.

**Hink, John Jr.**

**Assistant Professor of History**

B.A., Concordia University, Chicago, Ill.; M.A., Illinois State University, Normal, Ill. ; Ph.D., Northern Illinois University, DeKalb, Ill. At Concordia since 2012.

**Holtorf, Paul**

**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**

**Associate Professor of Biology and Criminal Justice**

B.S., Concordia University, Seward, Neb; M.S., Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 2008.

**Janousek, Jennifer**

**Associate Professor of Health and Human Performance**

B.S., Nebraska Wesleyan University, Lincoln, Neb.; M.S., University of Nebraska, Omaha, Neb.; Ph.D., Walden University, Minneapolis, Minn. At Concordia since 2005.

**Jensen, Patricia**

**Assistant Professor of Health and Human Performance**

B.S., Friends University, Wichita, Kan.; M.A., Kearney State College, Kearney, Neb. At Concordia since 2014.



**Johnson, Kyle****Assistant Professor of Biology**

B.S., Concordia University, Seward, Neb.; Ph.D., Michigan State University, East Lansing, Mich. At Concordia since 2013.

**Jurchen, John****Associate Professor of Chemistry**

B.S. in Education, B.A., Concordia College, Seward, Neb.; Ph.D., University of California, Berkeley, Calif.; At Concordia since 2005.

**Johnson, Joy****Director of Forensics**

B.S. in Education, and M.A., Concordia University, Seward, Neb. At Concordia since 2013.

**Jurchen, Kristin****Associate Professor of Chemistry**

B.A., Knox College, Galesburg, Ill.; Ph.D., University of California, Berkeley, Calif. At Concordia since 2005.

**Kohnke, Kevin****Associate 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; D.Min., Denver Seminary; Ph.D., University of Nebraska–Lincoln. At Concordia since 2007.

**Lamm, Erica****Assistant Professor of Communication**

B.A., Luther College, Decorah, Iowa; M.A., Ph.D., University of Maryland. At Concordia since 2013.

**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.

**Leinemann, Torri****Assistant Professor of Special Education**

B.S., MEd., Ph.D., University of Nebraska, Lincoln. At Concordia since 2014.

**Luther, Chris****Assistant Professor of HHP**

B.A., York College; M.S.Ed., Southern University, Collegedale, Tenn. At Concordia since 2014.

**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.

**Miller, Kathy****Professor of Sociology**

B.A., Drake University, Des Moines, Iowa; M.A., Ph.D., Purdue University, Lafayette, Ind. At Concordia since 1999.

**Moberly, Jonathan****Assistant Professor of Business Administration**

B.A., Eastern Illinois University, Charleston, Ill.; J.D., St. Louis University School of Law; MBA, Lindenwood University, St. Charles, Mo.

**Moore, Bryan****Associate 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.

**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.

**Phillips, C. Matthew****Associate 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.

**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.

**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****Associate 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.

**Sailer, Aaron****Instructor of Accounting**

B.S., Concordia University, Seward, Neb. At Concordia since 2013.

**Schultz, Andrew****Assistant Professor of Music**

B.S, Concordia College, Seward, Neb.. At Concordia since 2013.

**Smith, Joshua****Assistant Professor of Art**

B.S., Concordia University, Seward, Neb.; M.F.A. Cranbrook Academy of Art, Bloomfield Hills, Mich. At Concordia since 2013.

**Snow, John****Associate 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****Associate 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****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.

**ZumHofe, Laurie****Assistant Professor of English**

B.S. in Education, Concordia College, Seward, Neb.; M.A., DePaul University, Chicago, Ill.; Ph.D., University of Nebraska, Lincoln, Neb. At Concordia since 2007.

## 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.

### **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.

**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. Emeritus status granted 2011.

**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.

**Hinrichs, Vance****Professor of Mathematics**

B.S. in Ed., Concordia College, Seward, Neb.; M.A., Colorado State College, Greeley, Colo.; Ed.D., University of Nebraska, Lincoln, Neb. At Concordia since 1959. Emeritus status granted 2009.

**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.

**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.

**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.

**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. Emeritus status granted 2012.

**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.

**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. Emeritus status granted 2010.

**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.

**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.