



CONCORDIA UNIVERSITY, NEBRASKA
UNDERGRADUATE CATALOG • 2012-13

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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.

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2012-2013 Undergraduate Academic Calendar

Fall Term 2012

Monday, August 27, 2012	Begin fall term
Monday, September 3	End of free drop/add, Noon
Monday, September 3	Tuition and Fee payment deadline
Friday, September 21	Deadline for application for December graduation
Thursday, September 27	Deadline for removal of incomplete grades from spring/summer terms
Tuesday, October 2	Deadline for withdrawal and P/NR for 1 st qtr courses
Tuesday, October 16	First quarter ends
Wednesday, October 17	Second quarter begins
Fri-Sun, October 19-21	Fall break
Tuesday, November 6	Registration begins for students with senior standing
Thursday, November 8	Registration begins for students with junior standing
Tuesday, November 13	Registration begins for students with sophomore standing
Sat-Sun, November 17-25	Thanksgiving recess
Thursday, November 29	Registration begins for students with freshman standing
Friday, November 30	Deadline for withdrawal, P/NR for full-semester and 2 nd qtr courses
Tuesday, December 4	Registration begins for non-current students
Friday, December 7	Independent study applications for spring term due to Provost
Friday, December 14	Fall courses end
Mon-Thu, December 17-20	Final exams
Saturday, December 22	End of fall term

Spring Term 2013

Monday, January 14, 2013	Begin spring term
Monday, January 21	End of free drop/add, Noon
Monday, January 21	Tuition and Fee payment deadline
Friday, January 25	Deadline for application for May or August graduation
Thursday, February 14	Deadline for removal of incomplete grades from fall term
Tuesday, February 19	Deadline for withdrawal and P/NR for 3 rd qtr courses
Tuesday, March 5	Third quarter ends
Wednesday, March 6	Fourth quarter begins
Sat-Sun, March 9-17	Spring recess
Thursday, March 21	Registration begins for students with senior standing
Tuesday, March 26	Registration begins for students with junior standing
Fri-Mon, March 29-April 1	Easter break
Thursday, April 4	Registration begins for students with sophomore standing
Tuesday, April 9	Registration begins for students with freshman standing
Tuesday, April 16	Begin registration for non-current students
Friday, April 19	Deadline for withdrawal and P/NR for full-semester and 4 th qtr courses
Friday, April 26	Independent study applications for fall term due to Provost
Friday, May 3	Spring courses end
Mon-Thu, May 6-9	Final exams
Saturday, May 11	End of spring term
Saturday, May 11	Commencement

Summer Term 2013

Monday, May 13	Begin summer term
Monday, May 27	Memorial Day, No classes
Thursday, July 4	Independence Day, No classes
Saturday, August 24	End of summer term

2013-2014 Academic Calendar

Fall Semester 2013

Monday, August 26, 2013	Classes begin
Tuesday, October 15	First quarter ends
Wednesday, October 16	Second quarter begins
Fri-Sun, October 18-20	Fall break
Sat-Sun, November 23-December 1	Thanksgiving recess
Friday, December 13	Fall courses end
Mon-Thurs, December 16-19	Final exams
Saturday, December 21	End of fall term

Spring Semester 2014

Monday, January 13, 2014	Classes begin
Tuesday, March 4	Third quarter ends
Wednesday, March 5	Fourth quarter begins
Sat-Sun, March 8-16	Spring recess
Fri-Mon, April 18-21	Easter break
Friday, May 2	Spring courses end
Mon-Thurs, May 5-8	Final exams
Saturday, May 10	End of spring term
Saturday, May 10	Commencement

Summer Semester 2014

Monday, May 12	Classes begin
Monday, May 26	Memorial Day
Friday, July 4	Independence Day
Saturday, August 23	End of summer term

ABOUT CONCORDIA UNIVERSITY

CHARACTER

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

STATEMENT OF MISSION AND COMMITMENTS

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

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

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

SETTING

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

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

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

ACCREDITATION

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

INSTITUTIONAL NAME CHANGES

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

ADMISSION INFORMATION

STATEMENT OF NON-DISCRIMINATION

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

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

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

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

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

FRESHMAN APPLICANTS

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

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

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

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

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

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

RECOMMENDED HIGH SCHOOL PROGRAM

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

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

TRANSFER APPLICANTS

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

Applicants normally must have a cumulative college grade point average of C (2.50) and a statement of good standing. Higher grade point averages may be necessary where program admission requirements warrant it. After matriculation only those grades in course work attempted at Concordia in Seward are used to compute the cumulative grade point average.

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

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

TRANSFERRING CREDIT

Concordia will ordinarily accept successfully completed credit from regionally accredited two-year and four-year institutions which parallels a course requirement in the student's educational program at Concordia subject to the provisions below. 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. Veterans are required to present verified records covering their military service and educational experience for evaluation if they wish to receive credit for them.

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

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

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

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

APPLICANTS FOR DEGREE COMPLETION PROGRAM (DCP)

The degree completion program is designed for 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 at www.cune.edu.

RE-ENROLLMENT

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

INTERNATIONAL STUDENTS

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

International Student Applicants

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

To meet admission requirements, the international student must:

- Complete the application forms and pay the required fees.
- Be proficient in the English language as measured by TOEFL (Test of English as a Foreign Language). A TOEFL IBT test score of 79 or above is required for admission. Information on taking the TOEFL test is available at US Embassy or Consulate offices or online at www.ets.org/toefl. Request the TOEFL test scores be mailed to Concordia University, Nebraska – code number 6116.

- Have a high school grade point average indicating that the student has performed academically above average as shown on a transcript. One transcript in the native language and one in English must be provided. Each transcript must show the school seal or stamp, school address, and signature of a ranking official.
- Take the ACT or SAT College Entrance Exam and have scores sent. Please visit www.ACT.org or www.collegeboard.com to find a nearby testing site.
- Meet the requirements for the I-20 form and F-1 student visa status.

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

Being an International Student at Concordia

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

STUDENT CLASSIFICATION

Full-Time Students

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

Undergraduate students are classified academically according to the amount of college credit earned:

Freshman: below 28 semester hours

Sophomore: at least 28 but less than 58 semester hours

Junior: at least 58 but less than 90 semester hours

Senior: 90 or more semester hours

Graduate students are not classified in this way.

Part-Time Students

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

STUDENT LIFE INFORMATION

STUDENT COMMUNITY LIFE

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

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

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

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

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

WORSHIP AND SPIRITUAL LIFE

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

Students have many other opportunities to nurture their faith, including student-led evening prayer, evening praise services, home and residence hall Bible studies. Many student groups and athletic teams have devotions and prayer events for their members.

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.

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

INTERNATIONAL STUDENTS

The Director of International 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/392>. Students are also encouraged to see the Director of International 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.

TUITION AND FEES

Undergraduate Tuition:

Full-time students (12-18 semester hours)	
Tuition per semester	\$11,775
Overload fee (beyond 18 semester hours) – per credit hour	735
DCE Internship Comprehensive Fee – per academic year.....	4,630
Part-time students	
Any hours less than 12 credit hours – per credit	735

Technology Fee:

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

Room and Board Plan:

Full plan: Unlimited meal plan, Dorm residence (shared) – per semester	\$3,220
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).....	190
Consortium Fee – UNL (per semester)	150
Credit by Exam – per credit hour, see below	45
Graduation Ceremony Fee (cap and gown)	50
Housing Contract Modification	100
Independent study fee – above tuition per credit hour	125
Late Payment of Fees.....	250
Parking sticker (replacement or more than one)	10
Study Abroad Fee (per semester).....	125
Transcripts, each copy	no charge
Overnight delivery of transcripts	same-day handling fee plus delivery charges
Same-day handling, including FAX of transcripts	20
Tuition for Travel Courses (stand alone-not included in tuition) per credit hour	125
University Yearbook (part-time students only, taxable item)	60

Required Course Fees:

Art 101	\$60
Art 145.....	170
Art 190.....	80
Art 205.....	65
Art 214.....	70
Art 215.....	70
Art 235.....	140
Art 243.....	115
Art 244.....	105
Art 280.....	60
Art 303.....	80
Art 315.....	70
Art 316.....	95

Art 320	95
Art 330	90
Art 335	140
Art 345, 346	115
Art 351, 352	110
Art 365	80
Art 403	80
Art 407	100
Art 451, 452	110
Art 489	120
Applied Music (per credit hour)	150
Bio 450	100
Educ 329	120
Geog 281/Sci 281	115
Geog/ESci 385	70
HHP 100	15
HHP 147	90
HHP 154	15
HHP 157	25
HHP 158	40
HHP 182	15
HHP 261	40

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

Fees for Credit by Examination

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

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.

ACADEMIC HONORS

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

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

PARTICIPATION IN 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 noon on End of Drop/Add date.

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.

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/CREDIT BY EXAMINATION

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

INTERNATIONAL BACCALAUREATE

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

AUDIT OF COURSES

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

TUTORIAL ASSISTANCE

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

International 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 *Go World & Go Serve Resource Center* is a one-stop location (TLEC 202A) for information on international study, service, and mission opportunities! Concordia students should contact the *Director of International Opportunities* for more information on any of the international experiences listed below.

International Travel & 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.

Semester or Summer Study Abroad

A student spends a semester in another country, taking a full course of study and immersing themselves in the culture. 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 International 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 individual students.
- Past projects have included working with children, youth and adults in Bible school activities, English as a second language instruction, congregational outreach activities, and hurricane 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 partner schools in places like Hong Kong, Shanghai, Korea, or Australia. DCE students interested in world mission outreach have served internships recently with partner churches in eastern Europe and Latin America.

World & Intercultural Studies Major

Students may want to consider this new major for versatile and global vocational goals. The program includes an international practicum experience.

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.

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 128 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.

RECORDS POLICIES

PRIVACY OF RECORDS

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

TRANSCRIPTS

Transcripts of credit are issued by the registrar's office upon written request of the student, provided all financial obligations have been met. Transcripts will be withheld until the student's account is cleared. Transcripts are printed twice a week at no cost

unless special handling is requested. A fee of \$20 is charged for special handling of transcripts, such as overnight delivery or facsimile transmission.

Students requesting transfer credit from another institution should send an official transcript directly to the Office of the Registrar at Concordia. Requests for transcripts should be mailed to:

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

Prior to enrolling for credit at another institution, students should check with Concordia's registrar to ensure the credit will transfer and will apply correctly to the student's degree (see Transferring Credit, p. 3).

DEGREES, DIPLOMAS AND CERTIFICATES OFFERED

BACHELOR DEGREES

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

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

TEACHER EDUCATION PROGRAMS

The Lutheran Teacher Diploma

The Lutheran Teacher Diploma is available to students who are currently members in good standing of a congregation of The Lutheran Church–Missouri Synod. This diploma is granted to students who have met all requirements for the 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 the Old Testament
Rel 131 History and Literature of the New Testament
Theo 251 Interpretation of Pauline Epistles
Theo 361 Christian Doctrine I
Theo 362 Christian Doctrine II
Educ 362 Teaching the Christian Faith
Theo 381 The Christian Teacher's Ministry

Teacher Certification

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

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

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

Non-degree Certification and Endorsement Programs

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

DIRECTOR OF CHRISTIAN EDUCATION PROGRAM

The DCE Certificate

Concordia awards a DCE certificate to all 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.

GERONTOLOGY AND AGING STUDIES PROGRAM

The Gerontology Certificate

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

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 SEMINAR

- FYS 101

HUMANITIES

- History: Hist 115, 131 or 132
- Oral Communication: CTA 103, 203, 211, 281, 306 or 309 (unless 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; any Music course (must include two areas)
- 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.)
- Global/Multicultural Studies: Geog 202*, PS 211, Soc 201, or CTA 333

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

- Student 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.

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, Bio/Sci 230, Bio/Sci 231(taken with Bio/Sci 230), 243, 288, 345, 362, 363, 385, 444
- Chem 109, 115
- Phys 109, 110
- Sci 202, 281, 315, Sci/Phys 331, 365, 381

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

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

**Note: Geog 202 cannot fulfill both the Global/Multicultural Studies and the Social Science requirement.*

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:

- At least one Global/Multicultural Studies (GMC) course (in addition to the course that fulfilled the Global/Multicultural Studies portion of the Humanities requirement above)
- At least one Service-Learning (SL) course
- At least one Writing-Intensive (WI) course
- FinL 100 and FinL 400. These are online 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
- Oral Communication competency
- 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.

BACHELOR OF SCIENCE IN EDUCATION PROGRAMS

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

GENERAL POLICIES

Mission in Teacher Education

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

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

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

- Early Childhood Education
- Elementary Education
- Middle Level Education
- Secondary Education
- English Language Learner Education
- Special Education (K-9 and 7-12)

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

The Lutheran Teacher Diploma (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.

TEACHER EDUCATION ADMISSION AND RETENTION PROCEDURES

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

Application for Admission

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

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

Criteria for Admission

1. Completion of application for admission form.
2. Successful completion of the Pre-Professional Skills Test, with passing scores. There is a fee for taking the PPST.
3. Completion of Educ 101, Educ 201, and EDPS 210.

4. Professional grade point average of 2.75.
5. Verification that the student is in good standing by the student life office and verification by the student who must affirm that s/he has not been convicted of a felony or misdemeanor involving abuse, neglect or injury to another person or sexual misconduct in any state and is mentally and emotionally competent to practice the teaching profession prior to admission to teacher education.
6. Must achieve a cumulative grade point average of 2.5 in all courses to be counted toward the baccalaureate degree.
7. Secondary education students must achieve a grade point average of 2.75 in their field, comprehensive subject major, or field endorsements.
8. An interview with the appropriate education program chair.
9. An interview with the Dean of Education or with a committee selected by the dean is required.

Notification of Admission

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

Retention Criteria

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

1. A cumulative grade point average of 2.50 is maintained for all courses to be counted toward graduation, for permission to student teach and for recommendation for certification and placement.
2. Students maintain a 2.75 grade point average in the professional training for permission to student teach and for recommendation for certification and placement. Secondary education and middle level education students must maintain a 2.75 grade point average in their field, comprehensive subject major, subject endorsements or content teaching areas.
3. Students, their advisors, and the Director of Student Life office must certify that the student's development physically, emotionally, socially, mentally and spiritually is proceeding at a rate and in a direction that should make it possible for the student to succeed as a beginning teacher. This procedure is to be completed at the time of application for student teaching, placement and certification.
4. No student who has been convicted of a felony or misdemeanor involving abuse, neglect, or injury to another person or sexual misconduct in any state or is mentally and emotionally not competent to practice the teaching profession may apply for student teaching or for certification without the approval of the Nebraska State Board of Education.

Notification of Retention and Continuation in the Program

Upon completion of the appropriate application:

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

Appeals Process

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

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

PROGRAM CHECKPOINTS FOR STUDENTS

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

1. Academic Program Declaration—Students interested in teacher education should file an Academic Program Declaration form with the Registrar as soon as their freshman year.
2. Admission to Teacher Education—This requires completion of an application which is to be initiated by the student and processed through his or her advisor during the semester in which the student is enrolled in Educ 201, Introduction to Education or when transferring to Concordia.
3. Permit to Student Teach—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 not required to pass the test for completion of the teacher education program at Concordia, but they are required to take it.
8. Approval for Certification—At graduation, the student must apply for certification in Nebraska and other appropriate states with the assistance of the Dean of Education.

ELEMENTARY EDUCATION PROGRAM

1. General Education (p. 17) – required of all students at Concordia 45 hours

2. Professional Education Core – required of all teacher education students 16 hours

Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
EDPS 210 Educational Psychology and General Methods	2
Psy 324 Psychology of Exceptionality	3
Educ 346 Instructional Technology	3
+Educ 424 Teaching Diverse Learners	2
+Theo 381 Christian Teacher's Ministry	2

**see sections 6 and 7 for information on the Lutheran Teacher Diploma and Christian Teacher Diploma requirements

3. Elementary Education Endorsement – required of all elementary students 34 hours

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

+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 fill the subject concentration requirement for students in that program.

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

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.

6. Lutheran Teacher Diploma – required of all students in Lutheran education 11 hours

**must be an active member of a Lutheran Church–Missouri Synod congregation

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

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.

7. Christian Teacher Diploma – available to any teacher education student 9 hours

***for non-LTD candidates interested in teaching in a Christian school setting

Choose 9 hours from the following courses:

Theo 241 or 242 or 251 or 252 Biblical Interpretation course (choose only one)	3
Phil 301 Concepts in Philosophy	3
Theo 375 Christian Denominations, Movements, and Contemporary Cults	3
Theo 390 World Religions: The Gospel in a Pluralistic World	3
Theo 450 Understanding and Teaching the Bible	3
(Biblical Interpretation is a prerequisite for Theo 450)	
Theo 465 Christian Ethics	3
Theo 482 Nurturing Faith through Family, School and Congregation	3
Theo 489 Ministry in a Changing World	3

ELEMENTARY SCHOOL SUBJECT CONCENTRATIONS

Art – 26 hours

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

Director of Christian Education (DCE) – 30 hours

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

English – 24 hours

Eng 221, 231, 391, 326 or 327 or 328 or 329, 341 or 342 or 343, 362 or 363 or 364, 366 or 381 or 382 or 384, 383 or 385 or 387. (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 – 24 hours

Eng 231, 391, Educ 425a, 425b, CTA 333, also six semester hours of Modern Foreign Language. Educ 399, Student Teaching in English as a Second Language, is required. It is offered in January or May each academic year.

General Science – 24 hours

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

Geography – 25 hours

Geog 101 and/or 202, 281, and 15–18 hours of geography electives. Students can supplement on-campus courses with Summer Term study tours (three hours). Some hours may have to be taken by independent study. See the department chair.

Health Education – 25-26 hours

HHP 181, 182, 366, 389, 481, Bio 243. Three to five hours of health topics classes (min. of 3 classes): HHP 281, 283, 284, 285, 286 or 287, 288, 289, 489; Select four to six hours from the following to bring hours to 25: HHP 480, 482, 484, 486, Bio/HHP 465.

History – 24 hours

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

Life Science (Biology) – 24 hours

Bio 110, 224 and/or 225, 317, 243, and 7-10 hours of electives in biology. 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.

Mathematics – 18 hours

A minimum of 18 hours of coursework with MATH or CS prefixes. Courses approved by department chair.

Music – 28-30 hours (fewer if ensembles are audited)

Mu 102, 103, 104, 105, 331; one of Mu 211, 212, or 213; one of Mu 332 or 333; MuAp 171 (students with previous piano experience may schedule a placement exam with the Music Department);

Applied Music: 4 hours

Ensembles: 4 hours from Mu 232, 233, 236, 241, 242 (ensembles may be audited, reducing the hours required by up to 4).

ScMu 328

Physical Education – 25-26 hours

One dance class (153,155)

One aquatics class (171-177)

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

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

One fitness activity (161, 162, 164, 166, 168)

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

HHP 182, 238, 273, 291, 365, 399, 471, Bio 243, one of the following: HHP 228 or 248. If HHP 248 is taken (instead of HHP 228), also select one elective from the following: HHP 321, 322, 323, 325, 326, 327, 385, 395, 463, 491, 492, 494.

Physical Science – 24 hours

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

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

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

Social Science (Geography Emphasis) – 25 hours

Geog 101 or 202, 281, and nine hours of geography electives; three courses from the following, representing at least two disciplines: Hist 131, 132, 421, and 455; Soc 201 and 331; and PS 111.

Social Science (History Emphasis) – 24 hours

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

Social Science (Sociology Emphasis) – 24 hours

Soc 101, 331, and nine hours of sociology electives; and three courses selected from the following, representing at least two disciplines: Geog 202, 315, and 391; Hist 132, 309, 410, 417, 421, and 455; and PS 111.

Social Science (Multicultural Studies Emphasis) – 24 hours

Geog 202, Hist 131 and 132, Soc 201, and four courses selected from the following, representing at least two disciplines: Geog 331 and 341; Hist 417, 421, and 455; Soc 221 and 361.

Spanish – 24 hours

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

Speech/Drama – 21 hours

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

English as a Second Language–Supplemental Endorsement – 15 hours

Eng 231, Educ 425a, Educ 425b, CTA 333, Educ 399; students must also present competence in a foreign language equivalent to two semesters of post-secondary foreign language coursework or two years of high school foreign language.

Instrumental Music Endorsement – 68–73 hours

The number of hours is reduced by up to 7 if ensembles are audited.

Mu 102, 103, 104, 105, 202, 203, 204, 205, 211, 212, 213, 303, 331, 332, 493 (1 hour); ChMu 313 or 411; ScMu 262, 263, 264, 265, 317, 328

Principal Instrument: 10 hours

Keyboard Proficiency: 0-4 hours; pass keyboard proficiency exam

Voice Proficiency: 0-1 hour; satisfy level of MuAp 151

Instrumental Ensembles: 7 hours in Symphonic Band or Concert Band; may audit; required in each of 7 semesters.

Small ensemble requirement: see the *Music Student Handbook*

Recital Attendance: see the *Music Student Handbook*

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance as a music major during their first year at Concordia. See the *Music Student Handbook* for admission and retention procedures.

Vocal Music Endorsement – 59-64 hours

The number of hours is reduced by up to 7 if ensembles are audited.

Mu 102, 103, 104, 105, 202, 203, 204, 205, 211, 212, 213, 303, 331, 333, 334, 493 (1 hour); ChMu 313 or 411; ScMu 328

Principal Instrument: 10 hours

Keyboard Proficiency: 0-4 hours; pass keyboard proficiency exam

Voice Proficiency: 1-2 hours; satisfy level of MuAp 251

Choral Ensembles: 7 hours; may audit; required in each of 7 semesters

Small ensemble requirement: see the *Music Student Handbook*

Recital Attendance: see the *Music Student Handbook*

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance as a music major during their first year at Concordia. See the *Music Student Handbook* for admission and retention procedures.

EARLY CHILDHOOD EDUCATION PROGRAM

1. General Education (p. 17) – required of all students at Concordia 45 hours

2. Professional Education Core – required of all teacher education students 16 hours

Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psychology and General Methods	2
Psy 324 Psychology of Exceptionality	3
+Educ 424 Teaching Diverse Learners	2
+Theo 381 Christian Teacher's Ministry	2

**see sections 5 and 6 for information on the Lutheran Teacher Diploma and Christian Teacher Diploma requirements

3. Elementary Education Endorsement – required of all elementary students 34 hours

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

4. Early Childhood Education Endorsement – required of all ECE students 31 hours
(available only with the elementary endorsement program)

Eng 391 Children's Literature	3
Psy 212 Child Development & Psychology/EC	1
Educ 330 Early Childhood Educ. Foundations & Programs	3
Educ 331 Infants & Toddlers: Development, Curriculum & Teaching	3
Educ 333 Primary Education and Literacy Development	3
+Educ 430 School, Community, and Parent Involvement	2
<i>Professional Semester (ECE requires two professional semesters):</i>	
+Educ 332 Early Childhood Curriculum & Methodology	3
+Educ 452 Early Childhood Prog. Organization & Mgmt.	3
+Educ 380 Student Teaching in Pre-Primary	10

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

5. Lutheran Teacher Diploma – required of all students in Lutheran education 11 hours

**must be an active member of a Lutheran Church–Missouri Synod congregation

Theo 241/242/251/252 Interpretation Course	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3

6. Christian Teacher Diploma – available to any teacher education student 9 hours

**for non-LTD candidates interested in teaching in a Christian school setting

Choose 9 hours from the following courses:

Theo 241 or 242 or 251 or 252 Biblical Interpretation course (choose only one)	3
Phil 301 Concepts in Philosophy	3
Theo 375 Christian Denominations, Movements, and Contemporary Cults	3
Theo 390 World Religions: The Gospel in a Pluralistic World	3
Theo 450 Understanding and Teaching the Bible (Biblical Interpretation is a prerequisite for Theo 450)	3
Theo 465 Christian Ethics	3
Theo 482 Nurturing Faith through Family, School and Congregation	3
Theo 489 Ministry in a Changing World	3

SPECIAL EDUCATION PROGRAM – Mild/Moderate Disabilities

1. General Education (p. 17) – required of all students at Concordia 45 hours

2. Professional Education Core – required of all teacher education students 16 hours

Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psychology and General Methods	2
Psy 324 Psychology of Exceptionality	3
+Educ 424 Teaching Diverse Learners	2
+Theo 381 Christian Teacher's Ministry	2

**see sections 5 and 6 for information on the Lutheran Teacher Diploma and Christian Teacher Diploma requirements

3. Elementary Education Endorsement – required of all elementary students 34 hours

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

4. Special Education Endorsement – mild/moderate endorsement 28 hours

ECTA 170 American Sign Language	3
+HHP 471 Adaptive Physical Activity	3
+Educ 315 Behavior Disorders and Intervention	3
+Educ 316 Teaching Students with Moderate Disabilities	3
<i>Professional Semester (Special Education may require two professional semesters):</i>	
+Educ 314 Assessment, Evaluation, and IEP	3
+Educ 317 Teaching Students with Learning Disabilities	3
+Educ 387 Special Education Student Teaching	10

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

5. Lutheran Teacher Diploma – required of all students in Lutheran education 11 hours

**must be an active member of a Lutheran Church–Missouri Synod congregation

Theo 241/242/251/252 Interpretation Course	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3

6. Christian Teacher Diploma – available to any teacher education student 9 hours

***for non-LTD candidates interested in teaching in a Christian school setting

Choose 9 hours from the following courses:

Theo 241 or 242 or 251 or 252 Biblical Interpretation course (choose only one)	3
Phil 301 Concepts in Philosophy	3
Theo 375 Christian Denominations, Movements, and Contemporary Cults	3
Theo 390 World Religions: The Gospel in a Pluralistic World	3
Theo 450 Understanding and Teaching the Bible (Biblical Interpretation is a prerequisite for Theo 450)	3
Theo 465 Christian Ethics	3
Theo 482 Nurturing Faith through Family, School and Congregation	3
Theo 489 Ministry in a Changing World	3

MIDDLE LEVEL EDUCATION PROGRAM

1. General Education (p. 17) – required of all students at Concordia 45 hours

2. Professional Education Core – required of all teacher education students 16 hours

Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psychology and General Methods	2
Psy 324 Psychology of Exceptionality	3
+Educ 424 Teaching Diverse Learners	2
+Theo 381 Christian Teacher's Ministry	2

**see sections 4 and 5 for information on the Lutheran Teacher Diploma and Christian Teacher Diploma requirements

3. Middle Level Education Endorsement – required of all ML students 35 hours

Educ 211 Middle Level Seminar I	2
+Eng 392 Reading Interests of Adolescents or	
+Eng 491 Issues in Literature for Children and Youth	3
+Educ 401 Middle Level Instruction	3
+Psy 421 Psychology of Adolescence	2
+Educ 470 Content Area Literacy	3
+Educ 425A ESL Foreign Language Instruction, Curriculum, Assessment	3
+Educ 364 Teacher Lab Components for Middle Level (math, soc. st., science)	3
+Psy 422 Psychology & Development of the Young Adolescent	2
<i>Professional Semester:</i>	
+Educ 37x Secondary Methods in Content Teaching Area I	2
+Educ 37x Secondary Methods in Content Teaching Area II	2 (except HHP)
+Educ 396a/b Middle Level Student Teaching	10

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

Middle Level Content Teaching Area I

18 hours**

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

Middle Level Content Teaching Area II

18 hours**

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

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

4. Lutheran Teacher Diploma – required of all students in Lutheran education 11 hours

**must be an active member of a Lutheran Church–Missouri Synod congregation

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

5. Christian Teacher Diploma – available to any teacher education student 9 hours

**for non-LTD candidates interested in teaching in a Christian school setting

Choose 9 hours from the following courses:

Theo 241 or 242 or 251 or 252 Biblical Interpretation course (choose only one)	3
Phil 301 Concepts in Philosophy	3
Theo 375 Christian Denominations, Movements, and Contemporary Cults	3
Theo 390 World Religions: The Gospel in a Pluralistic World	3
Theo 450 Understanding and Teaching the Bible	3
(Biblical Interpretation is a prerequisite for Theo 450)	
Theo 465 Christian Ethics	3
Theo 482 Nurturing Faith through Family, School and Congregation	3
Theo 489 Ministry in a Changing World	3

MIDDLE LEVEL CONTENT TEACHING AREAS

Underlined courses may also fulfill general education requirements.

Art – 20 hours

Art 103, 161, 203, 205, 243, 273, 325, 301 (2 hrs). Educ 377 is the methods course for Art.

Business Education – 18-19 hours

Bus 121, 281, 361, Econ 101, Bus 325 or 371, Bus 331 or 443. Educ 369 is the methods course for Business.

Health and Physical Education – 23 hours

HHP 181, 273, 291, 365, 366, 471, 480, one activity course chosen from each of the following areas: team, individual/dual, health & fitness, leisure, aquatics, dance. No methods course is required for Health and Physical Education.

Language Arts – 18 hours

Eng 231, one course from Eng 221, 326, 327, 328, or 329; one course from Eng 341, 342, 343, 362, 363, or 364; CTA 151, CTA 203; one course from CTA 154, 211, 225, or 231; Both Educ 371 and 378 are required methods courses. (Eng 324 The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng 361 The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare.)

Mathematics – 18 hours

A minimum of 18 hours of coursework with MATH or CS prefixes. Required courses are Math 122, 182 or 184, and 301. Courses approved by department chair.

Natural Sciences – 21-22 hours

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

Social Sciences – 21-24 hours

Hist 115. 131. 132. Hist 313 or 306 & 307, PS 111. Econ 101 or 102. Geog 101 or 202. Educ 372 is the methods course for Social Sciences.

Spanish – 18 hours

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

Special Education – 28 hours

ECTA 170 American Sign Language	3
+HHP 471 Adaptive Physical Activity	3
+Educ 315 Behavior Disorders and Intervention	3
+Educ 316 Teaching Students with Moderate Disabilities	3

Professional Semester (Special Education requires two professional semesters):

+Educ 314 Assessment, Evaluation, and IEP	3
+Educ 317 Teaching Students with Learning Disabilities	3
+Educ 387 Special Education Student Teaching	10

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

SECONDARY EDUCATION PROGRAM

1. General Education (p. 17) – required of all students at Concordia 45 hours

2. Professional Education Core – required of all teacher education students 16 hours

Educ 101 Teaching as a Profession	1
Educ 201 Introduction to Education	3
Educ 346 Instructional Technology	3
EDPS 210 Educational Psychology and General Methods	2
Psy 324 Psychology of Exceptionality	3
+Educ 424 Teaching Diverse Learners	2
+Theo 381 Christian Teacher's Ministry	2

**see sections 4 and 5 for information on the Lutheran Teacher Diploma and Christian Teacher Diploma requirements

3. Secondary Education Endorsement – secondary and K–12 students 19-21 hours

+Psy 421 Psychology of Adolescence	2
+Educ 470 Content Area Literacy	3

<i>Professional Semester:</i> +Educ 301 Principles of Secondary Education	2
+Educ 367-379 Secondary Methods Courses	2–4

(a 2-hour course for each field, comprehensive, or subject endorsement – some methods courses are only offered one semester per academic year, check the course offering schedule.)

+Educ 385 Secondary Student Teaching	10
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Field Endorsement – 45-64 hours OR Comprehensive Subject Major – 48-57 hours OR Two Subject Endorsements 29-39 hours each

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

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

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

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

4. Lutheran Teacher Diploma – required of all students in Lutheran education 9 hours

**must be an active member of a Lutheran Church–Missouri Synod congregation

Theo 241/242/251/252 Interpretation Course	3
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3

5. Christian Teacher Diploma – available to any teacher education student 9 hours

**for non-LTD candidates interested in teaching in a Christian school setting

Choose 9 hours from the following courses:

Theo 241 or 242 or 251 or 252 Biblical Interpretation course (choose only one)	3
Phil 301 Concepts in Philosophy	3
Theo 375 Christian Denominations, Movements, and Contemporary Cults	3
Theo 390 World Religions: The Gospel in a Pluralistic World	3
Theo 450 Understanding and Teaching the Bible	3
(Biblical Interpretation is a prerequisite for Theo 450)	
Theo 465 Christian Ethics	3
Theo 482 Nurturing Faith through Family, School and Congregation	3
Theo 489 Ministry in a Changing World	3

SECONDARY FIELD ENDORSEMENTS

Art (K–12 Certification) – 56 hours

Art 103, 145, 161, 190, 203, 205, 213, 223, 235, 243, 271, 272, 273, 301 (2 hours), 315, 325, 345, 489; three hours of art electives. Educ 377 is the methods course for this endorsement. K–12 endorsements require student teaching at both the elementary and secondary levels.

Health and Physical Education (K–12) – 63-65 hours

One dance class (HHP 153, 155)

One aquatics class (HHP 171-177)

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

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

One fitness activity class (HHP 161, 162, 164, 166, 168)

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

HHP 181, 182, 228, 238, 248, 273;

Select five classes from: HHP 281, 283, 284, 285, 286 or 287, 288, 289, 489;

HHP 291, 365, 366, 376, 379, 385, 395, 465, 471, 480, 481, 484, 486, 491, 494; Bio 243.

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.

Language Arts – 67 hours

Eng 201, 221, 231, 326 or 327 or 328, 341 or 342 or 343, 362 or 363 or 364, 366, 381 or 382 or 384, 383 or 385 or 387, 392, 431; CTA 152 or 231, 153, 200, 211, 225, 232, 233, 241, 373. Select 3 hours from: CTA 203, 302, 306, 333, or 400. Students are encouraged to take CTA 226. Educ 371 and 378 are the methods courses for this endorsement. (Eng 324 The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng 361 The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare.)

Music

Use Bachelor of Music Education program.

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

Natural Science – 60–63 hours

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

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

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

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

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

Physical Science – 54 hours

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

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

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

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

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

Social Science – 60 hours

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

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

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

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

Psychology: Psy 101, 451; Soc 345.

Political Science: PS 111, 211; Hist 311

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

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

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

Psychology: Psy 101 and Psy 451 or Soc 345

Economics: Econ 101, 102

Political Science: PS 111, 211, Hist 311

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

COMPREHENSIVE SUBJECT MAJORS

Biology – 57 hours

Chem 115; Sci/Geog 281; Phys 110; Math 122, Bio 111, 112, 208, 224, 225, 243 (or 343 and 344), 317, 345, 351, 399 (2 hours minimum) and 6 hours biology electives from Bio 271, 319, 362, 363, 371, and Chem 345. 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.

Chemistry – 55 hours

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

English – 48 hours

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

Health and Physical Education – 56-58 hours

HHP 111–177 Basic Instruction Program. One course (.5 hr) will be chosen from each of the following areas: dance, aquatics, individual and dual activities, team activities, fitness activities, and leisure/adventure activities. HHP 181, 182, 228, 238, 248, 273, select four classes from 281, 283, 284, 285, 289, 489; HHP 291, 366, 376, 379, 385, 395, 471, 480, 481, 484, 486, 491, 494, Bio 243. At least 6 hours (HHP 182 and Bio 243) may be used to count toward general education. HHP/BIO 385 also may count, depending on a student's high school experience.

Mathematics – 45 hours

Math 184, 186, 252, 284, 322, 332, 333, 335, 348, 365, 382, 384, 475 and CS 131. Educ 374 is also required for this endorsement.

Physics – 56 hours

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

SECONDARY SUBJECT ENDORSEMENTS

Biology – 36 hours

Chem 115; Sci/Geog 281; Phys 110, Bio 111, 112, 208, either 224 or 225, 243 (or 343 and 344), 317. Students may choose to take Bio 343 and 344 in place of Bio 243 but doing so will add 4 hours to the endorsement. Educ 373 is the methods course for this endorsement.

Basic Business – 34-35 hours

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

Chemistry – 37 hours

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

Computer Science – 30 hours

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

Drama – 30 hours

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

English – 32 hours

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

English as a Second Language – 27 hours

Modern Foreign Language (6 hours), Eng 231, Eng 391, Eng 392, Educ 425a, Educ 425b, CTA 333, Educ 399.

Geography – 37 hours

Geog 101, 202, 281, and 21 hours of upper-level geography courses from a variety of instructors, three hours of history, and three hours of one social science other than geography (general education courses may fulfill the non-geography requirement). Soc 306 may substitute for a geography course. Educ 372 is the methods course for this endorsement.

Health Education – 35-37 hours

HHP 181, 182; select five classes from: HHP 281, 283, 284, 285, 286 or 287, 288, 289, 489; HHP 366, 389, 465, 480, 481, 482, 484, 486; Bio 243.

History – 39 hours

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

Mathematics – 36 hours

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

Music – 7-12 Instrumental – 68-73 hours

Mu 102, 103, 104, 105, 202, 203, 204, 205, 211, 212, 213, 303, 331, 332, 493 (1 hour); ChMu 313 or 411; Educ 375; ScMu 262, 263, 264, 265, 317, 361

Principal instrument: 10 hours

Keyboard proficiency: 0-4 hours; pass keyboard proficiency exam

Voice proficiency: 0-1 hour; satisfy level of MuAp 151

Instrumental ensembles: 7 hours in Symphonic Band or Concert Band. The number of hours in this program is reduced by up to 7 if ensembles are audited.

Small ensemble requirement: see the *Music Student Handbook*

Recital attendance: see the *Music Student Handbook*

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance as a music major during their first year at Concordia. See the *Music Student Handbook* for admission and retention procedures.

Music – 7-12 Vocal – 62-67 hours

Mu 102, 103, 104, 105, 202, 203, 204, 205, 211, 212, 213, 303, 331, 333, 334, 354, 493 (1 hour); ChMu 313 or 411; Educ 375

Principal instrument: 10 hours

Keyboard proficiency: 0-4 hours; pass keyboard proficiency exam

Voice proficiency: 1-2 hours; satisfy level of MuAp 251

Choral ensembles: 7 hours, may audit; required in each of 7 semesters. The number of hours in this program is reduced by up to 7 if ensembles are audited.

Small ensemble requirement: see the *Music Student Handbook*

Recital attendance: see the *Music Student Handbook*

This leads to an endorsement in the State of Nebraska.

All students who wish to receive a teaching endorsement in music make formal application for admittance as a music major during their first year at Concordia. See the *Music Student Handbook* for admission and retention procedures.

Physical Education – 38 hours

One dance class (HHP 153, 155)

One aquatics class (HHP 171-177)

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

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

One fitness activity class (HHP 161, 162, 164, 166, 168)

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

HHP 182, 228, 238, 248, 273, 291, 376, 385, 395, 399, 471, 491, 494; Bio 243.

Physics – 36 hours

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

Spanish – 30-36 hours

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

Special Education – 28 hours

ECTA 170 American Sign Language	3
+HHP 471 Adaptive Physical Activity	3
+Educ 315 Behavior Disorders and Intervention	3
+Educ 316 Teaching Students with Moderate Disabilities	3
+Educ 314 Assessment, Evaluation, and IEP	3
+Educ 317 Teaching Students with Learning Disabilities	3
+Educ 387 Special Education Student Teaching	10

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

Speech – 30 hours

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

Theology – 29-30 hours

Rel 121, 131; Theo 331, 381, 382, 450; Theo 363 or 375; one course from Theo 241, 242, 251, 252, 331; two courses from Hist 313, 334, 335, Theo 371, 390, 418, 482. Students have the option of completing Theo 499. Educ 379 is the methods course for this endorsement.

SUPPLEMENTAL SECONDARY ENDORSEMENTS

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

Coaching – 23 hours

HHP 182, 261, 298, 362, 385, 463, 491; Bio 243; one class from HHP 321, 322, 323, 325, 326, 327.

Computer Science – 18 hours

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

English as a Second Language – 15 hours

Eng 231, Educ 425a/b, CTA 333, Educ 399.

ELEMENTARY and SECONDARY DUAL CERTIFICATION

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

Elementary Education Students Desiring Secondary Certification – 25-30 hours

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

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

Secondary Education Students Desiring Elementary Certification – 34 hours

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

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

BACHELOR OF SCIENCE IN EDUCATIONAL STUDIES

This program is only available to students with permission from the Dean of 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.

LIBERAL ARTS PROGRAMS

GENERAL REQUIREMENTS

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

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

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

1. General Education 48 hours

2. Major 30-73 hours

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

3. Minor 11-22 hours

A student may select one or more minors.

4. Electives to reach 128 hours

Completion of 128 semester hours is required for graduation.

BACHELOR OF ARTS MAJORS

Art (Studio)	English	Music
Arts Administration	Environmental Science	Natural Science
Art Therapy	Environmental Studies	Physical Science
Behavioral Science	Fitness Studies	Physical Science Studies
Biology	Geography	Psychology
Business Administration	Gerontology	Spanish
Chemistry	Graphic Design	Sport Studies
Community Health	History	Theatre
Communication Studies	Journalism and Public Relations	Theology
Computer Science	Language and Rhetoric	World and Intercultural Studies
Ecclesiastical Arts	Mathematics	

BACHELOR OF SCIENCE MAJORS

Accountancy	Chemistry	Mathematics
Biology	Computer Science	Marketing
Business Administration	Exercise Science	Physical Science
Business Communication	Management Information Systems	Physics

BACHELOR OF ARTS

MAJORS

Art (Studio)

54 hours

Art 103, 145, 161, 203, 205, 213, 214, 215, 223, 235, 243, 271, 272, 273, 315, 325, 345, 425, 489.

Arts Administration

69 hours

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

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

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

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

Music track: Mu 101, 111, 115, 213, 214, MuAp 151, 171, Mu 272 (with instructor approval), ChMu 313, Private lessons or Ensembles (no more than 3 hours).

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

Art Therapy

71 hours

Art 103, 145, 161, 203, 205, 213, 223, 235, 243, 271, 272, 273, 301, 315, 325, 345, 425, 489; Psy 101, 221, 442, 445, 451, 3-hour psy elective; Math 122.

Behavioral Science

39 hours

Psy 101; Soc 101, 201, 221, Soc/Psy 306, Soc 345, 361; Math 122; Psy 445, 451; nine hours of electives from the following: upper-level sociology courses: Soc 321, 322, 331; CTA 203, 309, 333; Psy 221, 241, 385, 421, 442.

Biology

See program options, p. 41.

Business Administration

See program options, p. 43.

Chemistry

See program options, p. 47.

Community Health

57-58 hours

HHP 181, 182, 489, HHP 286 or 287; HHP 290, 389, 398, 465, 480, 482, 484, 486, 488, Bio 243, 444, Bus 281, Bus 309, 351, Gero 401; select three health topics chosen from: HHP 281, 283, 284, 286, 287, 289; three hours electives chosen from: Psy 442, 451, Soc 221, 331, 333, SW 201. (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.)

Communication

See majors in Communication Studies, Journalism and Public Relations, Arts Administration, Language and Rhetoric, and Theatre.

Communication Studies

34-38 hours

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

Computer Science

See program options, p. 48.

Ecclesiastical Arts

40 hours

Art 103, 145, 161, 203, 205, 260, two courses from Art 271, 272, and 273; 375, 377; Theo 251 or 252, Theo 382 (or approved substitute course); two elective courses from: Art 190, 223, 235, 243, 315, 325, 345, 425.

English

37 hours

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

Environmental Science

67-69 hours

Core Requirements (49 hrs): Econ 102, Bio 112, 317, Bus 261, 281, Chem 115, CTA 301, Geog/ESci 281, 315, 361, 385, Math 122, Phys 110, ESci 351, ESci 498, and Emphasis area.

Biology/Natural Resources Emphasis (19-20 hrs): Select from: Bio 111, 224, 225, 345, 351, Bio/ESci 36X (may take 2), Bio/ESci 377, Bio 399, Geog/ESci 461.

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

Geography Emphasis (18 hrs): Select from the following: Geog 311, Geog/ESci 291, Geog/ESci 320, Geog 381, 391, Geog/ESci 461, Geog 490.

Business Emphasis (18 hrs): Art 145, Bus 121, 343, 366, 371, 400, Geog/ESci 461.

Environmental Studies

49 hours

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

Fitness Studies

65-67 hours

Four fitness courses from HHP 161-168; one team activity course from HHP 111-132, one individual activity course from HHP 135-158, one leisure activity course from HHP 142-149, one aquatic activity course from HHP 171-177, HHP 182, 261, 270, 273, HHP 281 or 286 or 287 or 288, HHP 284, 290, 291, 385, 392, 395, 399, 410, 491, 494, 495, Bio 111 or 112, Bio 243, Bio 444, Chem 109 or 115, Phys 109 or 111, two courses from HHP 312, 471, 488, Bus 261, Gero 401.

Geography

31 hours

Geog 101 and/or 202, 281, 361, 385, and 15-18 hours of upper-level geography courses, which may include courses taken at the University of Nebraska-Lincoln by consortium arrangement.

Gerontology

36 hours

Gero 205, 401, 403, 404, 499, Soc 333 or Gero 402, Math 122; nine hours from the following aging electives: Psy 221, Gero 400, 411, 412, 413, 414, 415, 417, 418, 419, 422, 423, 425, 426, 427, 430, 498, or HHP 488; six hours of additional aging electives or six hours from the following lifespan courses (list is not exclusive): Soc 221, 331, Theo 385, 482, 483, 485, 487, HHP 465, 484, 486, Psy 445, Bio 371, 444, or SW 201.

Graphic Design

65 hours

Art 103, 145, 161, 190, 195, 203, 205, 213, 214, 215, 271, 272, 273, 280, 303, 351, 352, 365, 403, 407, 489; and two courses from 223, 235, 243, 315, 325, 345, or 425.

History

33 hours

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

Journalism and Public Relations

44 hours

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

Language and Rhetoric

34 hours

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

Mathematics

See program options, p. 51.

Music

58 hours

Mu 102, 103, 104, 105, 202, 203, 204, 205, 211, 212, 213, 320, 493 (2 hours)

Principal Instrument: 8 hours

Keyboard Proficiency: pass keyboard proficiency exam

Electives in music: 6 hours

Ensembles: 4 hours (may audit). Auditing ensembles reduces the number of hours in the program, allowing more room for electives.

Area of emphasis: select 6 hours from one of the following areas:

Church Music: ChMu 275, 313, 411, 431, Mu 331, MuAp 182

Conducting: Mu 331, 332, 333

General Music: any additional music courses numbered 200 and above

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

Theory and Composition: ChMu 275, Mu 303, MuAp 291, 391, 491

Recital attendance required; see *Music Student Handbook*

All students who wish to major in music make formal application for admittance in the major during their first year at Concordia.

See the *Music Student Handbook* for admission and retention procedures.

Natural Science (Comprehensive)

60 hours

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

Physical Science (Comprehensive)

59 hours

See program options, p. 53.

Physical Science Studies

33 hours

See program options, p. 53.

Psychology

39 hours

Required courses: Psy 101, 221, 306, 341, 442, 445, 451; Psy 345; Math 122; Three hours from the following: Psy 241 or Psy 421 or Gero 205 or Psy 211/212. Nine hours selected from the following: Capstone Courses: Psy 406, Psy 481, Psy 490. Highly recommended courses: 300/400 level psy courses; Bio 207, 243, 371; HHP 480; Soc 331, 333; Theo 483; Gero 403. Suggested courses: Bio 444, HHP 463.

Spanish

30-36 hours

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

Sport Studies

51-58 hours

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

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

Sport Communication Emphasis (51): Core requirements, four courses from HHP 111, 112, 116, 117, 118, 132, 135, 154, 156, 157, 166 (athletes may not take the course most closely related to their sport to fulfill this requirement); HHP 394, Art 145, 235, CTA 225, 226, 241, 242, 296, 301, Bus 261, 362, HHP 399.

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

Theatre

37-44 hours

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

Theology

30 hours

Three hours from Theo 241, 242, 251, 252; three hours from Theo 331, 418 and three hours from Theo 450; three hours from Phil 301, 311, 312, and six hours from Theo 361, 362, 363, 489; six hours from Hist 313, 334, 335, Theo 371, 375; six hours from Theo 382, 385, 390, 460, 465, 482, 483.

World and Intercultural Studies

45 hours

1. Core Requirements: Three hours of modern foreign language (level determined by student's previous language study in high school and ECTA chairperson), an approved international or intercultural practicum, twelve hours from Geog 202, Soc 201, CTA 333, Theo 390, PS 211, Eng 381 or 382 or 384; Hist 131, 132, Mu 213, HHP 489.
2. Track Requirements: Thirty hours from no fewer than two tracks (21 hours must be taken from courses 300 level or higher). Core courses from above may be used as track electives if they have not been used to fulfill the core requirement. Various study tours for academic credit may be substituted for credit in the major with approval.

Arts, History and Literature track: Art 161, 195, 260, 271, 272, 273, Literature (up to 9 hrs of upper-level courses), History (up to 9 hrs of upper-level courses), Gero/Eng 411, CTA 153, 151, Mu 211, 212, 213, ChMu 213, 313, 411, Soc 417, Theo 371.

Language Studies track: CTA 203, 302, up to 9 hrs of modern foreign language, up to 9 hrs of Latin, Greek or Hebrew; Eng 231, 431, Phil 201, 202, language study abroad (up to 9 hrs)

Contemporary Issues track: CTA 241, Econ 101, Geog 315, 320, Gero/CTA 413, Gero 400, 414, 419, HHP 489, 480, 484, 486, PS 211, Soc 221, Theo 483.

Social and Regional Studies track: Bio 362, 363, CTA 333, Geog 202, 311, 331, 341, 345, 391, Gero/CTA 205, GS 301, PS 111, Soc 201, 331, 312, 335, 361, Soc 333/Gero 402, Theo 375, 390, Theo 489.

BACHELOR OF SCIENCE

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

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

BIOLOGY

GOALS AND OPTIONS

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

B.A. MAJOR IN BIOLOGY

1. General Education 48 hours

2. Biology 36 hours

Bio 111 General Biology I 4

Bio 112 General Biology II 4

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

Electives* 25

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

B.S. MAJOR IN BIOLOGY

The major consists of a Biology Core (37 hours) taken by all majors plus one of six Emphasis areas: Cell and Molecular Biology, Environmental Biology, Forensic Science, Organismal Biology, Conservation Biology and General Biology.

1. General Education 48 hours

2. Biology Core 37 hours

Bio 111 General Biology I 4

Bio 112 General Biology II 4

Bio 208 General Genetics 4

Math 182 or 184 Calculus or equivalent 3

Math 122 Introduction to Statistics 3

Phys 111 General Physics I 4

Phys 112 General Physics II 4

Chem 115 General Chemistry 4

Chem 231 Organic Chemistry I 4

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

3. Biology Emphasis: (Chose one emphasis below) 25-27 hours

Cellular and Molecular Biology Emphasis (26 hours)

Bio 344 Human Anatomy & Physiology II 4

Bio 319 Cell and Molecular Biology 3

Bio 351 General Microbiology 4

Bio 489 Immunology 3

Chem 345 Introductory Biochemistry 4

Additional Electives 8

Organismal Biology Emphasis (25 hours)

Bio 224 Invertebrate Zoology	3
Bio 225 Vertebrate Zoology	3
Bio 345 Midwest Floral I.D.	3
Bio 317 Ecology & Field Biology	3
One Biology Study Tour (Bio 362 or Bio 363)	3
Biology Electives (may include Chem 345)	10

Forensic Science Emphasis (25 hours)

Bio 230 Introduction to Forensic Science	3
Bio 231 Introductory Forensic Science Lab	1
Bio 330 Advanced Forensic Science	3
Chem 116 General Inorganic and Qualitative Analysis	4
Chem 325 Quantitative Analytical Chemistry	4
Soc 321 Criminology	3
Additional electives*	7

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

Environmental Biology Emphasis (26 hours)

Bio 317 Ecology & Field Biology	3
Bio 351 General Microbiology	4
Chem 116 General Inorganic & Qualitative Analysis	4
Chem 325 Quantitative Analytical Chemistry	4
Chem 331 Organic Chemistry II	4
Additional Electives (may include Chem 345)	7

Conservation Biology Emphasis (27 hours)

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

*CS 121 (or higher level), CTA 211, Econ 101, 102, Eng 221, Geog 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)

Electives from Biology	26
(May include Chem 116, 325, 331, 345). Student and advisor choose electives.	

BUSINESS

GOALS AND OPTIONS

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

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

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.

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

B.A. MAJOR IN BUSINESS ADMINISTRATION

1. General Education	48 hours
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2. Business Core	45 hours
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Econ 101 Macroeconomics	3
Econ 102 Microeconomics	3
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	3
Math 122 Introduction to Statistics	3
Bus 261 Marketing	3
Bus 281 Business Communication	3
Bus 300 Business Law	3
Bus 331 Finance	3
Bus 343 Operations Management	3
Bus 351 Human Resources Management	3
Bus 371 Information Systems	3
Bus 400 Business Ethics	3
Bus 443 Organizational Behavior	3
Bus 446 Administrative Policy	3

3. Business Internship	3 hours
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Bus 399 Internship	3
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B.S. MAJOR IN BUSINESS ADMINISTRATION

1. General Education	48 hours
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2. Business Core	45 hours
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Econ 101 Macroeconomics	3
Econ 102 Microeconomics	3

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

3. Business Administration 6 hours

*Bus 345 Management Science	3
Bus 399 Internship	3

*Bus 345 not required for Agriculture concentration

4. Business Concentration 12-16 hours

Accounting Concentration: 4 courses from Bus 221, 222, 321, 322, 421, 422

Agribusiness Concentration: AECN 201, 316, 325, 2 courses from AECN 225, 301, 416, 452, 453
(AECN courses taken through consortium agreement at UNL)

Communication Concentration: CTA 203, 3 courses from Bus/CTA 309, CTA 241, 301, 306

Finance Concentration: 4 courses from Bus 222, 333, 335, 336, 337

Information Systems Concentration: Bus 442, CS 131, 141, and 3 hrs of 200-level or above CS

Marketing Concentration: Bus 362, 363, 2 courses from CTA 203, 301, Bus 364, 366, 368, 461

Note: Students may complete more than one concentration after consultation with a business advisor. Students completing the B.S. degree with the Business Administration major and the Accountancy major must complete a concentration other than accounting.

B.S. MAJOR IN ACCOUNTANCY

1. General Education 48 hours

2. Accountancy 72 hours

Econ 101 Macroeconomics	3
Econ 102 Microeconomics	3
Math 122 Introduction to Statistics	3
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	3
Bus 221 Intermediate Accounting I	4
Bus 222 Intermediate Accounting II	4
Bus 261 Marketing	3
Bus 281 Business Communication	3
Bus 300 Business Law	3
Bus 321 Cost Accounting	3
Bus 322 Advanced Accounting	3
Bus 325 Accounting and Information Systems	4
Bus 331 Finance	3
Bus 343 Operations Management	3
Bus 345 Management Science	3
Bus 399 Internship	3
Bus 400 Business Ethics	3
Bus 421 Tax Accounting	3
Bus 422 Auditing	3
Bus 443 Organizational Behavior	3

Bus 446 Administrative Policy	3
Accounting Elective	3

B.S. MAJOR IN MARKETING

1. General Education 48 hours

2. Marketing 63 hours

Art 145 Digital Imaging	3
Econ 102 Microeconomics	3
Math 122 Introduction to Statistics	3
Bus 261 Marketing	3
Bus/CTA 281 Business Communication	3
Bus/CTA 362 Advertising and Integrated Marketing Communication	3
Bus 363 Sales and Sales Management	3
Bus 364 Consumer Behavior	3
Bus 366 Marketing Research	3
Bus 368 Internet Business Models	3
Bus 371 Information Systems	3
Bus 400 Business Ethics	3
Bus 442 Information System Design and Development	3
Bus 446 Administrative Policy	3
CTA 203 Communication Theory	3
CTA 225 Writing and Reporting	3
CTA 226 Journalistic Design	or
Art 190 Introduction to Graphic Design	3
CTA 241 Mass Media Survey	or
CTA 242 Introduction to Broadcast Journalism	3
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	or
CTA 333 Intercultural Communication	3
CTA 499/Bus 399 Internship	3

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

B.S. MAJOR IN MANAGEMENT INFORMATION SYSTEMS

1. General Education 48 hours

2. Management Information Systems 60 hours

CS 131 Computer Programming I	3
CS 141 Computer Programming II	3
CS 231 Introduction to Computer Systems	3
CS 241 Introduction to Computer Organization	3
CS 251 Introduction to File Processing	3
CS 261 Operating Systems & Computer Architecture	3
CS 344 Data Structures & Algorithm Analysis	3
CS 351 Database Design & Management	3
CS 361 Operating Systems & Computer Architecture II	or
CS 39x Seminar in Computer Science	3
Bus 121 Financial Accounting	3
Bus 122 Managerial Accounting	3
Bus 281 Business Communication	3
Bus 343 Operations Management	3
Bus 345 Management Science	3
Bus 371 Information Systems	3
Bus 400 Business Ethics	3

Bus 442 Information System Design & Development	3
Bus 443 Organizational Behavior	or
Bus 351 Human Resources Management	3
Bus 446 Administrative Policy	3
Math 122 Introduction to Statistics	3
Other recommended courses:	
CS 334 Organization of Programming Languages	3
Econ 101 Principles of Macroeconomics	3
Econ 102 Principles of Microeconomics	3

B.S. MAJOR IN BUSINESS COMMUNICATION

1. General Education 48 hours

2. Business Communication 60 hours

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

CHEMISTRY

GOALS AND OPTIONS

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

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

The curriculum leading to the bachelor of arts degree is designed to provide more electivity in the major and is particularly suited for individuals who wish to have a second major (such as biology) and/or attend medical school, law school, pharmacy school or any other professional school upon completing their chemistry degree. The following majors are to be supplemented with general education, and electives or other coursework to total 128 or more hours.

B.A. MAJOR IN CHEMISTRY

1. General Education	48 hours
2. Chemistry Core	28 hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic and Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 353 Physical Chemistry	3
Chem 355 Physical Chemistry Lab	1
Phys 111 General Physics I	4
Math 184 Calculus I	4
Math 186 Calculus II	4
3. Electives	16 hours
Electives from: Chem 313, 325, 331, 345, 354, 356, Phys 112, 211, 212	

B.S. MAJOR IN CHEMISTRY

1. General Education	48 hours
2. Chemistry Core	28 hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic and Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Chem 353 Physical Chemistry	3
Chem 355 Physical Chemistry Lab	1
Phys 111 General Physics I	4
Math 184 Calculus I	4
Math 186 Calculus II	4
3. Chemistry	31-32 hours
Chem 313 Advanced Inorganic Chemistry	3
Chem 325 Quantitative Analytical Chemistry	4
Chem 331 Organic Chemistry II	4
Chem 345 Introductory Biochemistry	4
Chem 354 Physical Chemistry II	3
Chem 356 Physical Chemistry Lab II	1
Phys 112 General Physics II	4
Phys 211 Gen. Physics I Calculus Topics	1
Phys 212 Gen. Physics II Calculus Topics	1
Electives	6 or 7
Electives from: Bio 208, CS 131, Chem 399, Math 122, 284, 333, 384	

COMPUTER SCIENCE

GOALS AND OPTIONS

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

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

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

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

B.A. MAJOR IN COMPUTER SCIENCE

1. General Education 48 hours

2. Computer Science Core 30 hours

CS 131 Computer Programming I	3
CS 141 Computer Programming II	3
CS 231 Introduction to Computer Systems	3
CS 241 Introduction to Computer Organization	3
CS 251 Introduction to File Processing	3
CS 261 Operating Systems & Computer Architecture I	3
CS 334 Organization of Program Languages	3
CS 344 Data Structures & Algorithm Analysis	3
CS 348 Discrete Structures	3
CS 361 Operating Systems & Computer Architecture II	3

3. Electives 9 hours

Nine hours of electives from CS 321, 324, 351, 39x.

B.S. MAJOR IN COMPUTER SCIENCE

1. General Education 48 hours

2. Computer Science Core 30 hours

CS 131 Computer Programming I	3
CS 141 Computer Programming II	3
CS 231 Introduction to Computer Systems	3
CS 241 Introduction to Computer Organization	3
CS 251 Introduction to File Processing	3
CS 261 Operating Systems & Computer Architecture I	3
CS 334 Organization of Program Languages	3
CS 344 Data Structures & Algorithm Analysis	3
CS 348 Discrete Structures	3
CS 361 Operating Systems & Computer Architecture II	3

3. Computer Science 30 hours

CS 321 Numerical Analysis	3
Math 184 Calculus I	4
Math 186 Calculus II	4

Math 252 Mathematical Structures	3
Math 284 Calculus III	4
Math 322 Foundations of Statistics	3
Math 333 Linear Algebra	3
Electives (from CS 324, 351, 39x)	6

HEALTH AND HUMAN PERFORMANCE

GOALS AND OPTIONS

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

B.S. MAJOR IN EXERCISE SCIENCE

1. General Education	48 hours
2. Exercise Science	70-71 hours
Three "fitness" activity courses from HHP 161-168	1.5
One individual or leisure activity course from: HHP 147, 154, 156, 157, or 158	.5
HHP 182 First Aid and CPR	2
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 270 Laboratory Techniques	2
HHP 273 Motor Learning	3
One "Health Topics" course from HHP 281 or 284 or 286 or 287 or 288	1
HHP 290 Health Psychology	3
HHP 291 Foundations of Human Performance	2
HHP 312 Exercise Prescription	3
HHP 385 Physiology of Exercise	3
HHP 395 Biomechanics	3
HHP 397 Internship in Exercise Science	3
HHP 399 Seminar in Human Performance	1
HHP 494 Measurement and Evaluation in Human Performance	3
HHP 495 Legal Aspects of Exercise and Sport	3
Bio 111 or 112 General Biology I or II	4
Bio 343 Human Anatomy I	4
Bio 344 Human Anatomy II	4
Bio 444 Nutrition	3
Chem 115 General Chemistry I	4
Chem 116 General Chemistry II or Chem 231 Organic Chemistry	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
3. Electives	3-4 hours
HHP 410 Essentials of Strength Training and Conditioning	3
HHP/Bio 465 Human Diseases	3
HHP 482 Epidemiology and Data Analysis	3
Math 122 Foundations of Statistics	3
Chem 116 General Chemistry II or Chem 231 Organic Chemistry	4
Bio 111 General Biology I or General Biology II	4

MATHEMATICS

GOALS AND OPTIONS

The goal of the mathematics program is to provide the student with a foundation in the mathematical sciences. Both Bachelor of Arts and Bachelor of Science degrees are offered. The B.S. degree allows the student more electivity to design a program of study to match the particular interests of the student. Upon graduation the student may continue studies in mathematics or a related area at the graduate level or pursue a career in a mathematics-related area. Some of these related areas include computer science, applied statistics, and actuarial science. The following majors are to be supplemented with general education and electives or other coursework to total 128 or more hours.

B.A. MAJOR IN MATHEMATICS

1. General Education	48 hours
2. Mathematics Core	27 hours
Math 184 Calculus I	4
(Math 182 may be substituted with departmental approval)	
Math 186 Calculus II	4
Math 252 Mathematical Structures	3
Math 284 Calculus III	4
Math 322 Foundations of Statistics	3
Math 333 Linear Algebra	3
Math 384 Differential Equations	3
CS 131 Computer Programming I	3
3. Mathematics Courses	12 hours
Math 332, 382, and six hours electives from: Math 318, 321, 323, 335, 365, 475.	

B.S. MAJOR IN MATHEMATICS

1. General Education	48 hours
2. Mathematics Core (see B.A.)	27 hours
3. Mathematics	18 hours
Math 332 Abstract Algebra OR Math 382 Real Analysis I	3
Math 475 Mathematical Modeling	3
Individual Program	12

A minimum of four additional courses from the following: Math 318, 321, 323, 332, 335, 348, 365, 382; and CS 141. The mathematics department must approve this elective portion of the program.

Sample Individualized Programs:

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

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

Actuarial Science Minor

An actuary is a professional who uses mathematical skills to define, analyze, and solve business and social problems. Actuaries are generally employed in life, health, and casualty insurance companies, consulting firms and government. The minor in actuarial science is designed to help prepare the student for a career as an actuary. The required courses include the material which is covered in the first examination administered by the national actuarial societies, course 1. The required courses also cover portions of material found on additional examinations. Elective courses may be chosen to prepare the student for additional examinations and future educational pursuits. Ideally, a summer internship would also be part of the student's undergraduate experience.

This minor would usually be taken in conjunction with a major in mathematics or computer science. However, it would also be an option for a student with a strong background in mathematics. Contact the program director for additional information. Course Requirements: The minor requires a minimum of 18 hours in addition to the prerequisite courses (Math 184, 186, 284, 322, 333; CS 131, 141; Econ 101, 102). Math 321, 323, Bus 121, 281, 331, 336. Electives: Additional mathematics and business courses are encouraged for the student. These would be chosen in consultation with the student's advisor.

PHYSICS

GOALS AND OPTIONS

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.

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

B.S. MAJOR IN PHYSICS

1. General Education		48 hours
2. Physics Core		63 hours
	Phys 111 General Physics I	4
	Phys 112 General Physics II	4
	Phys 211 Calc Topics in Physics I	1
	Phys 212 Calc Topics in Physics II	1
	Phys 321 Classical 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 (or substitute Phys 498)	2
	Chem 115 General Chemistry I	4
	Chem 116 General Chemistry II	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
3. Electives		6-7 hours
	Electives from: Math 321, Math 333, Math 475, CS 141, CS 241, CS 390, CS 324, CS 344, CS 348, Chem 231	

PHYSICAL SCIENCE

GOALS AND OPTIONS

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

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

B.A. MAJOR IN PHYSICAL SCIENCE STUDIES

1. General Education	48 hours
2. Physical Science Core	23 hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic and Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 381 Modern Physics	3
3. Physical Science Courses	10-18 hours
Chem 313 Advanced Inorganic Chemistry	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear and Particle Physics	3
Sci 331 Descriptive Astronomy	3
Math 184 Calculus I (prereq. for Phys 381)	(4)
Math 186 Calculus II (recommended)	(4)

B.A. MAJOR IN PHYSICAL SCIENCE (Comprehensive)

1. General Education	48 hours
2. Physical Science Core	23 hours
Chem 115 General Chemistry	4
Chem 116 General Inorganic and Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 381 Modern Physics	3
3. Physical Science Courses	36 hours
Chem 313 Advanced Inorganic Chemistry	3
Chem 331 Organic Chemistry	4
Chem 353 Physical Chemistry	3
Chem 355 Physical Chemistry Lab	1
Phys 321 Introductory Mechanics	3
Phys 382 Advanced Physics Lab	1
Phys 383 Introduction to Nuclear and Particle Physics	3
Phys 390 Electricity and Magnetism	3

Math 184 Calculus I	4
Math 186 Calculus II	4
Math 284 Calculus III	4
Math 384 Differential Equations	3

B.S. MAJOR IN PHYSICAL SCIENCE

1. General Education 48 hours

2. Physical Science Core 23 hours

Chem 115 General Chemistry	4
Chem 116 General Inorganic and Qualitative Analysis	4
Chem 231 Organic Chemistry I	4
Phys 111 General Physics I	4
Phys 112 General Physics II	4
Phys 381 Modern Physics	3

3. Physical Science 36 hours

Chem 331 Organic Chemistry II	4
Chem 353 Physical Chemistry	3
Chem 354 Physical Chemistry II	3
Phys 211 General Physics I Calculus Topics	1
Phys 212 General Physics II Calculus Topics	1
Phys 321 Introductory Mechanics	3
Phys 383 Introduction to Nuclear and Particle Physics	or
Phys 371 Electronics	3
Math 184 Calculus I	4
Math 186 Calculus II	4
Math 284 Calculus III	4
Math 384 Differential Equations	3
Electives from options A, B, or C	3

A: Advanced Labs – Chem 355, 356; Phys 382

B: Advanced Inorganic Chemistry – Chem 313

C: Electricity and Magnetism – Phys 390

BACHELOR OF MUSIC PROGRAM

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

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.

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

CHURCH MUSIC – Organ or Voice

1. General Education 45 hours*

*3 hours of the fine arts requirement may be waived. See the *Music Student Handbook* for details.

2. Major Area 32-33 hours

A. Keyboard proficiency (pass keyboard proficiency exam)

B. Recital attendance (see the *Music Student Handbook*)

C. Principal instrument 16

Mu 493 Senior Project 2

Ensembles (required in each of 8 semesters; may audit*) 8

*Auditing ensembles reduces the number of hours in the program, allowing more room for electives. See the *Music Student Handbook* regarding the small ensemble requirement.

D. Organ or Voice Area

Organ

MuAp 182 Service Playing 1

MuAp 383 Improvisation 1

MuAp 384 Organ Accompanying 1

ChMu 213 Literature of the Organ 1

ChMu 315 Organ Registration 1

Voice

MuAp 172 Piano Accompanying 1

Mu 354 Diction 2

Mu 355 Sacred Vocal Literature 1

3. Supportive Courses 49 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 I 3

Mu 212 Music History II 3

Mu 213 World Music 3

Mu 303 Arranging 2

Mu 320 Seminar in Music 3

Mu 331 Basic Conducting 2

Mu 332 Instrumental Conducting 2

Mu 333 Choral Conducting 2

Mu 334 Choral Literature 2

MuAp 291, 391, or 491 Composition	2
ChMu 313 Christian Hymnody	2
ChMu 411 Christian Liturgy	2
ChMu 431 Church Music Methods and Administration	3

MUSIC EDUCATION

K–12 Vocal and Instrumental

1. General Education 45 hours*

*3 hours of the fine arts requirement may be waived. See the *Music Student Handbook* for details.

2. Performance 38-43 hours**

A. Keyboard proficiency (pass keyboard proficiency exam)	0-4
B. Voice proficiency: satisfy level of MuAp 151	0-1
C. Recital attendance (see the <i>Music Student Handbook</i>)	
D. Principal instrument	10
E. Mu 493 Senior Project	1
F. Secondary areas	
ScMu 262, 263, 264, 265 String, Woodwind, Brass, Percussion Techniques	8
Mu 331 Basic Conducting	2
Mu 332 Instrumental Conducting	2
Mu 333 Choral Conducting	2
G. Ensembles (may audit)** — Select either (a) or (b):	
a. Symphonic Band or Concert Band	7
Choral ensembles	6
b. Choral ensembles	7
Symphonic Band or Concert Band	6

See the *Music Student Handbook* regarding the small ensemble requirement.

**Ensembles may be audited. This has the effect of reducing the number of required hours by 13.

3. Supportive Courses 47 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 I	3
Mu 212 Music History II	3
Mu 213 World Music	3
Mu 303 Arranging	2
Mu 334 Choral Literature	2
Mu 354 Diction	2
ChMu 313 Christian Hymnody or ChMu 411 Christian Liturgy	2
Educ 375 Methods in Secondary Music	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

4. Education Courses

See the requirements for Secondary Education program and, if relevant, the requirements for the Lutheran Teacher Diploma.

BACHELOR OF FINE ARTS PROGRAM

Concordia University offers the Bachelor of Fine Arts degree in studio art, in K–12 education, and in graphic design or illustration. The Bachelor of Fine Arts degree is the preferred undergraduate degree for those intending to enter professions in art and design. Its emphasis is on the development of skills, concepts and sensibilities essential to professional artists and designers. Whether as creators, scholars or teachers, they must have technical competence, knowledge of art history, an understanding of artistic style, and insight into the role of art and design in peoples' lives. Evidence of these characteristics and potential for their continuing development are implicit in the awarding of the bachelor of fine arts degree.

In order to enter the BFA program in art education or studio art, a student must complete the foundations sequence of the art curriculum with a minimum 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.

THE PROGRAM

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

1. General Education 48 hours

2. Foundations 21 hours

Art 103 Drawing	3
Art 145 Digital Imaging	3
Art 203 Two-Dimensional Design	3
Art 205 Three-Dimensional Design	3
Art 213 Drawing II	3
Art 214 Drawing III	3
Art 215 Drawing IV	3

3. Art History and Theory 12 hours

Art 161 Visual Studies	1
Art 271 Art History I	3
Art 272 Art History II	3
Art 273 Art History III	3

4. Art Theory 6 hours

Art 370 Studies in Art (course is to be repeated three times)	2
(BFA graphic design students are not required to take these six hours.)	

In addition to the foundations, art history and art theory requirements, BFA programs consist of the following courses:

Studio Art

Art 223, 235, 243, 315, 325, 345, 425, 489, 499 (1 hour), nine hours of advanced study in one studio area, art electives to bring the major to a total of 75 hours.

Art Education

Art 190, 223, 235, 243, 301, 315, 325, 345, 425, 489, 499, six hours of advanced study in one studio area, art electives to bring the major to a total of 75 hours. The BFA in art education also requires the Professional Education and Secondary Education Sequence courses listed under the Bachelor of Science in Education Programs and includes required including student teaching at elementary and secondary levels. Students who desire the Lutheran Teaching Diploma must also meet those requirements as listed under the Bachelor of Science in Education Programs.

Graphic Design

Art 190, 195, 280, 303, 320, 351, 352, 365, 403, 407, 451, 452, 489, 490, 499; Electives – select three courses from Art 223, 235, 243, 315, 325, 345, 425. The major requires 81 hours.

CHRISTIAN EDUCATIONAL LEADERSHIP (CEL)/DIRECTOR OF CHRISTIAN EDUCATION (DCE) PROGRAM

Concordia prepares Christian educators who equip people of all ages in congregations for their ministries in various contexts. The focus in preparation is on the 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 Educ 480, Practicum in DCE Ministry;
4. interview with the director of DCE Ministries and successful completion of assigned learning goals.

APPEAL PROCESS

If a student wishes to appeal the decision relative to admission to the program or approval for internship, a written appeal may be addressed to the commissioned ministers appeal committee through the university provost within three months of the decision to deny admission. Any student who is not satisfied with the decision of the appeal committee may appeal directly to the president of Concordia University.

RECOMMENDATION FOR PLACEMENT 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 Educ 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	48 hours
2. CEL major (24-hour internship is optional)	47-71 hours
Educ 235 Field Experiences I	1
Educ 329 DCE Ministries II: The Emerging DCE	2
Educ 335 Field Experiences II	1
Educ 362 Teaching the Christian Faith	2
Educ 388 Youth Ministry Theory & Methods	3

Educ 480 Practicum in DCE Ministries	3
Educ 481 Director of Christian Education Internship (<i>Optional</i>)	24
Educ 483 Leadership Development: Enabling Others to Lead & Teach	3
Educ 485 Parish Education Program Administration	3
EDPS 210 Educational Psychology and General Methods	2
Psy 341 Group Techniques	3
Psy 442 Introduction to Counseling	3
Rel 121 History and Lit. Old Testament (Also required in Gen Ed requirements)	3
Rel 131 History and Lit. New Testament (Also required in Gen Ed requirements)	3
Theo 210 Faith and Life (Also required in the Gen Ed requirements)	3
Theo 241, 242, 251 or 252 Biblical Interpretation	3
Theo 450 Understanding and Teaching the Bible	3
Theo 485 Family Life Ministry	3
Theo 487 Planning Adult Education in the Parish	3
3. Foundational major:	
Education, Theology, Behavioral Science or Psychology	30-xx hours
4. DCE Certification Requirements	
for LCMS students seeking a DCE certificate	34 hours
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.	
Educ 229 Introduction to DCE Ministry	2
Educ 481 DCE Internship	24
Educ 484 Confirmation Planning and Implementation	2
Theo 361 Christian Doctrine I	3
Theo 362 Christian Doctrine II	3
5. DCE EMPHASES (Optional)	12-20 hours
CEL/BA or CEL/DCE/BA students may choose one or more of the following:	
Adult Emphasis	12 hours
Psy 451 Personality Theory	3
Soc 221 Social Problems	3
Soc 333 or Gero 402 Social Gerontology	3
Theo 483 Sexuality and the Family	3
Biblical Languages	
(option for those planning on a seminary education)	16 hours
Greek	8
Hebrew	8
Child Emphasis	14 hours
Educ 300 Outdoor Christian Education	2
Educ 332 Early Childhood Education Curriculum and Methodology	3
Educ 430 School Community & Parent Involvement	2
Psy 211 Child Development and Psychology	2
Psy 212 Child Development and Psychology: Young Children	1
Psy 422 Psychology and Development of the Young Adolescent	1
Theo 482 Nurturing the Faith Through Family, School & Congregation	3
Family Life Emphasis	12 hours
Psy 211 Child Development and Psychology	2
Psy 212 Child Development and Psychology: Young Children	or
Psy 422 Psychology and Development of the Young Adolescent	1
Psy 421 Psychology of Adolescence	3
Theo 482 Nurturing Faith Through Family, School and Congregation	3

	Theo 483 Sexuality and the Family	3	
Outreach Emphasis			12 hours
	Educ 358 Religious Education and Innovative Technology	2	
	Theo 375 Christian Denominations, Movements & Contemp. Cults	or	
	Theo 390 World Religions: The Gospel in a Pluralistic World	3	
	Theo 385 Parish Visitation and Evangelism	3	
	Theo 399 Independent Study in Evangelism Visitation	1	
	Theo 460 Factors in Congregational Growth	3	
Parish Music Emphasis			20 hours
	ChMu 313 Christian Hymnody or ChMu 411 Christian Liturgy	2	
	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 Corporate Worship	3	
	Ensemble or Applied Music	3	
Youth Emphasis			12 hours
	Educ 300 Outdoor Christian Education	2	
	Educ 358 Religious Education and Innovative Technology	2	
	Educ 379 Methods in Secondary Religion	2	
	Psy 211 Child Development and Psychology	2	
	Psy 422 Psychology and Development of the Young Adolescent	1	
	Psy 421 Psychology of Adolescence	3	
Worship Arts Emphasis			12 hours
	ChMu 313 Christian Hymnody	2	
	Educ 358 Religious Education and Innovative Technology	2	
	Theo 382 Corporate Worship	3	
	ChMu 282 Media in Contemporary Music	2	
	ChMu 174 Songwriting for Contemporary Worship	2	
	ChMu 255 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.

MINORS

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

Accounting **20 hours**

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

Art **21 hours**

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

Art History **19 hours**

Art 161, 195, 260, 271, 272, 273, 370 (must be taken two times).

Actuarial Science **18 hours**

See "Actuarial Science Minor" under B.S. in Mathematics.

Biblical Languages **18 hours**

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

Biology **19 hours**

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

Business **18 hours**

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

Chemistry **18 hours**

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

Communication **18 hours**

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

Community Health **22-23 hours**

HHP 181, 182, HHP 286 or 287; HHP 288, 484, 486, 488; Bus 281; two to five hours chosen from: HHP 281, 283, 284, 285, 286, 287, 289, 489; zero to three hours of electives chosen from: HHP 290, 465, 480, 482.

Composition and Rhetoric **21 hours**

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

Computer Science **18 hours**

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

Contemporary Church Music **22 hours**

ChMu 275, 282, 431; Mu 103, 105, 331; MuAp x61 Guitar (161 or 261, depending on ability-2 credit hours); MuAp x71 Piano (171 or 271, depending on ability-2 credit hours); Mu 252 (1 credit hour); Additional Ensemble (except Praise Band-2 credit hours).

Criminal Justice **18 hours**

Soc 101, Soc 321, Soc 322; six hours from: Bio 230, 231, HHP 281, Soc 325; three hours (recommended) from: Soc 221, 331, 481; Psy 421, 445; Psy/Soc 490; Art 235; any course from required list not already taken. (Note: Internship and capstone seminar must be related to criminology or criminal justice.)

English **21 hours**

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

Environmental Studies	28 hours
Bio 317, Geog/ESci 281, Geog/ESci 315, Geog/ESci 361, Geog/ESci 385, ESci 351, Bio/ESci 36_, Geog/ESci 320, Bio/ESci 377.	
Geography	19 hours
Geog 101 and/or 202, 281, and nine to twelve hours of geography electives.	
Gerontology	18 hours
Gero 205 or 400; 15 hours from Gero 401, 402 (or Soc 333), 403, 404, 411, 412, 413, 414, 415, 416, 417, 418, 419, 422, 423, 425, 427, 430, 498, and 499. This minor does not result in a Gerontology certificate (for certificate requirements see pages 72 and 75).	
Graphic Design	21 hours
Art 103, 145, 190, 203, 280, 303, 365.	
History	18 hours
Hist 115, 131, 132, and six hours of upper-level U.S. history electives and three hours of upper-level non-U.S. history electives.	
Intercultural Communication	21 hours
Educ 425A, 425B, 426, CTA 333; six hours from: CTA 203, 306, 400, ECTA 350, Eng 231, 431; three hours of international study experience.	
Interpersonal Communication	18 hours
CTA 203, 306, 309, 333; six hours from: CTA 200, 205, 301, 400, 413, Psy/Soc 306, Soc 201, 331, 333, 361, Psy 341, 421, 442, 445, 451, ECTA 350, Bus/Psy 351, Bus 443, SW 201, Theo 485.	
Journalism and Public Relations	18 hours
Art 235; CTA 225, 226, 242, 301, 327.	
Literature	18 hours
Eng 341 or 342 or 343; Eng 362 or 363 or 364 or 366; Eng 381 or 382 or 384; Eng 383 or 385; six hours from the preceding options or Eng 391, 392, 399, 411, 499, Grk 301,302, 401, Heb 202, 301, 302, 401, Theo 242, 251, 252, Span 341, 342. [Eng 324 The Nebraska Story or The New England Study Tour may be substituted for any English course, preferably American Literature. Eng 361 The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare. Eng 387 Modern and Postmodern Drama may be substituted for the Modern Literature requirement (Eng 383 or 385).]	
Mathematics	20 hours
Math 184, 186, 252, 322; two courses from Math 284, 332, 333, 335, 382, 384.	
Marketing	18 hours
Bus 261, 362, CTA 301, 3 marketing electives from Bus 363, 364, 366, 368.	
Music	20-24 hours
Mu 102, 103, 104, 105, 211 or 212 or 213; electives: three hours (with department approval); applied music: four hours (in one area); ensembles: four hours (ensembles may be for credit or audit).	
Parish Health	22 hours
HHP 284, 285, 286, 287, 290, 484, 488, HHP/Gero 401, Soc 331, Theo 470.	
Performing Arts	21 hours
CTA 152, 153, 154, and 373; nine hours from: CTA 231, 232, 233, 241, 242.	
Philosophy	18 hours
Phil 301, 311, 312, 319, 499, Theo 390.	
Psychology	18 hours
Psy 101: three hours from: Psy 221, 241, 421; three hours from Psy 342, 442, 445; nine hours psy electives. 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: Psy 101, 221, 442, 445, 3 hours of psy electives

Health Professional track (pre-med, pre-nursing, pre-physical therapy, etc.): Psy 101, 221, 445, 9 hours of psy electives

Helping Professional track (pre-seminary, pre-social work, etc.): Psy 101, 342, 442, 445, 6 hours of psy electives

Physical Science **19 hours**

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

Physics **18 hours**

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

Religious Education **15 hours**

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

Self-Directed **18 hours**

Students may select 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.

Senior Adult Fitness **21 hours**

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

Sociology **18 hours**

Soc 101, 331 and 12 hours of sociology electives.

Spanish **18 hours**

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

Sport Management **21 hours**

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

Sport Ministry **21 hours**

HHP 291, 391, 462, 491; Educ 300; Theo 375 or 390; electives (to bring total to 21 hours) from: Psy 341, HHP 228, 248, 298, 465. Note: if used for DCE emphasis area, internship would be excluded.

Theology **11-12 hours**

Theo 331 or 450; Hist 313 or Theo 375; Select two courses from Theo 381, 382, 390, 482, and 489.

Worship Arts **12 hours**

Theo 382; Mu 252 (1 credit hour); ChMu 174, 282; MuAp x61 Guitar (161 or 261, depending on ability-2 credit hours); MuAp x71 Piano (171 or 271, depending on ability-2 credit hours).

Writing **18 hours**

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

Youth Ministry **12 hours**

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

PRE-SEMINARY PROGRAM

PROGRAM GOALS

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

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

PROGRAM ACADEMICS

Concordia's pre-seminary program offers great flexibility to students at the university to participate in a variety of programs and majors that may suit their particular interests. The program includes ten core courses (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:

1. Greek (14 hours): Grk 101, 201, 301, 401
2. Hebrew (11 hours): Heb 101, 201, 301
3. Philosophy (6 hours): choose from any course with a Phil prefix, but Phil 311 & 312 are recommended
4. Public Speaking (3 hours): CTA 211

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

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

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

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

ADMISSION INTO THE PROGRAM

There are two levels of admission: provisional and formal.

1. Students apply for provisional admission into the pre-seminary program after completion of 16 hours in residence at Concordia (and in any case, before the end of the first year study). Applications are available from the pre-seminary program director. Provisional admission indicates a student's intent to prepare for seminary studies and initiates provision of services through Concordia's pre-seminary director.
2. Students apply for formal admission into the pre-seminary program during their second year of residence at Concordia. Transfer students entering with more than 32 hours of credit are to apply before the end of their first semester in residence. Formal admission into the program makes a student eligible to receive the pre-seminary church worker scholarship grant offered by Concordia during the junior and senior years of study. To qualify for formal admission into the program, students must:

- A. have a minimum cumulative grade point average of 2.50;
- B. submit a completed application form prior to the published deadline;

C. successfully complete an 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.

Dismissal from the program will come only after a formal warning to the student has been issued by the director of the pre-seminary program. Should the student not take timely steps to correct the issues highlighted in the letter of warning, the student will receive a formal notice of dismissal from the program. Dismissal from the program entails forfeiture of eligibility for the pre-seminary church worker scholarship grant.

APPEAL PROCESS

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

PROCESS FOR SEMINARY RECOMMENDATION

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

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

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

PRE-DEACONESS PROGRAM

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

General Education Core 48 hours

Pre-Deaconess Core 30 hours

Theo 251/2	Interpretation of Pauline Epistles/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
Choices from recommended courses*		6

*Recommended Courses:

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 and Evangelism	3
Theo 483	Sexuality and the Family	3
Theo 487	Planning Adult Education in the Parish	3
Soc 221	Social Problems	3
Soc 335	Sociology of Religion	3
Gero 205	Adult Aging and Development	3
Hist 313	Religion and Society in the United States	3
Hist 335	The Renaissance and The Reformation	3
Educ 388	Youth Ministry Theory & Methods	3
Educ 483	Leadership Development	3
Educ 484	Confirmation Planning and Implementation	2
Educ 485	Parish Education Program Administration	3
Grk 101	Greek 1	4
Grk 201	Greek 2	4
Heb 101	Hebrew 1	4
Heb 201	Hebrew 2	4

Major/Minor/Electives 54 hours

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

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:

Biology 343, 344, 444
Health and Human Performance 100, 270, 385, 395
Psychology 101

Pre-Chiropractic

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

Biology 111, 112
Chemistry 115, 116, 231, 331
English – 6 hours including at least 3 hours composition
Humanities/Social Sciences – 15 hours
Physics 111, 112
Psychology 101
Electives – 32 hours
 Strongly recommended:
 Biology 208, 319, 343, 344, 499 (Immunology)
 Business 361
 Economics 101
 Small business management and medical terminology (available at local community colleges)

Pre-Clinical Laboratory Science

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

Biology 111, 112, 208, 351, 499 (Immunology)
Chemistry 115, 116, 231, 345
English 221, 328
Mathematics 122, 132 or greater

Electives – 41 hours including broad general education background

Strongly recommended: Biology 343, 344

Recommended: Physics and additional biology and chemistry

Pre-Clinical Perfusion Science

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

Biology 111, 112, 343, 344, 351

Chemistry 115, 116, 231, 345

English 221, 328

Mathematics – 6 hours, College Algebra or greater

Physics 109, 110, or 111

Social Sciences – 6 hours

Pre-Cytotechnology

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

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

Chemistry 115, 116

Mathematics – 3 hours (minimum)

Pre-Dental

Normally this is a 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:

Biology 111, 112

Chemistry 115, 116, 231, 331

English 221, 328

Physics 111, 112

Pre-Dental Hygiene

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

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

Chemistry 115, 116

English 102, 221, 328

Humanities/Arts – 6 hours

Psychology 101

Social/Behavioral sciences – 3 hours

Sociology 101

12-hour series with same course prefix

Pre-Engineering

Students planning to enter the engineering professions should obtain a solid background in mathematics and the physical sciences. In addition to courses in these areas, courses in the social sciences and humanities should be taken. There are many specialty areas in engineering such as aerospace, agricultural, chemical, civil, electrical, industrial and mechanical. Programs for each of these areas differ among the professional colleges, and students should obtain information from these colleges as well as consulting with the Concordia mathematics and science faculty to plan the appropriate academic agenda. Students can attend Concordia at least two years before continuing their program at a professional college. Typical programs would be as follows:

TWO-YEAR PROGRAM

Chemical

Math 184, 186, 284, 322, 384

Chem 115, 116, 231, 331

Phys 111, 112, 211, 212

CS 131

Other general education

TWO-YEAR PROGRAM

Non-Chemical

Math 184, 186, 284, 322, 384

Chem 115, 116

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

CS 131, 141

Other general education

THREE-YEAR PROGRAM

Non-Chemical

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

Chem 115, 116

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

CS 131, 141, 324

Other general education

Pre-Law

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

The Association of American Law Schools considers the prescription of particular courses unwise for a pre-law program. The Association calls attention to the quality of undergraduate institutions which it believes fundamental to the better attainment of legal competence. Pre-law students meet individually with a pre-law advisor to plan a personalized curriculum for their pre-professional training in law.

Pre-Medical

Normally this is a 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:

Biology 111, 112, 208, 343, 344

Chemistry 115, 116, 231, 331, 345

English – 6 hours including at least 3 hours composition

Humanities and Social Sciences – 12-16 hours

Mathematics 122 and 184

Physics 111, 112

Pre-Nursing

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

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

Chemistry 115, 116

English 221, 328

Mathematics 122

Psychology 101

Sociology 101, 331

Additional 3-hour elective in Humanities or Social Sciences required

Free electives – 7-9 hours

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

Pre-Occupational Therapy

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

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

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

Humanities – 6 hours

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

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

Theology/Philosophy – 6 hours

Pre-Optometry

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

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

Pre-Osteopathic Medicine

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

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

Pre-Pharmacy

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

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

Pre-Physical Therapy

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

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

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

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

Pre-Radiation Science Technology

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

Biology 111 or 112
Chemistry 115
English 102, 221, 328
Humanities/Social Sciences – 6 hours
Mathematics 122 and three additional hours at level of college algebra or greater
Medical terminology (available at local community colleges)
Physics 111
Electives as required by specific programs
For Radiation Therapy: add Biology 343, 344 and Computer Science 121

Pre-Social Work

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

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

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

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

Pre-Veterinary

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

Biology 111, 112, 208, 225, 343, 344, 351
Chemistry 115, 116, 231, 331, 345
CTA 211,
English 221, 328
Humanities/Arts/Social Sciences – 12 hours
Physics 111, 112
Electives to complete a minimum of 65 hours

ROTC – Reserve Officers Training Corps – Army and Air Force

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

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

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

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

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

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

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

GERONTOLOGY AND AGING STUDIES PROGRAM

The purpose of the Gerontology and Aging Studies Program is to encourage and promote a better understanding of lifespan development, aging, and the changing nature of older adult services. The program is designed to prepare students for service and careers in the aging services network (health, medicine, business, volunteer and professional ministries and care-giving services). No state teacher certification or professional designation is offered with this certificate.

The certificate/academic programs will:

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

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

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

The gerontology and aging studies program is open to students in Concordia's traditional undergraduate program, the degree completion program, or students only wishing to complete Gerontology coursework. Degree options include: undergraduate certificate, minor, and bachelor's (see graduate catalog for information on graduate degree options).

B.A. requirements are listed on page 38. All students may earn the minor described on page 62. Traditional undergraduate and degree completion students earn the certificate by completing the following 21-credit hour program: Gero 400 or Gero/CTA 205, Gero 401, Gero 402 or Soc 333, Gero 403, 499 (or appropriate major area internship); three hours from Gero 400, 404, 411, 412, 413, 414, 415, 417, 418, 419, 422, 423, 425, 426, 427, 430, 498, or HHP 488; three additional aging elective hours or relevant elective in major field.

DEGREE COMPLETION PROGRAM

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 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, the program core requirements and the major listed below. All Bachelor of Arts degrees require a total of 128 credit hours. For more information, see the graduate academic catalog.

PROGRAM OPTIONS

B.A. MAJOR IN BUSINESS ADMINISTRATION

1. General Education 48 hours

2. Business Core 45 hours

Econ 104 Macroeconomics	3
Econ 103 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 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 Administrative Policy	3

3. Business Internship 3 hours

Bus 399 Internship	3
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B.A. MAJOR IN PROFESSIONAL STUDIES

1. General Education 48 hours

2. Professional Studies Core 24 hours

Math 122 Introduction to Statistics*	3
Econ 104 Macroeconomics*	3
HHP/Psy 290 Health Psychology*	3
CTA 333 Intercultural Communication*	3
Bus 342 Organizational Behavior	3
CTA 309 Small Group Theory for Teams and Leadership	3
Bus 401 Business Ethics	3
400 Level Capstone Course	3

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

*Also fulfills General Education requirements

3. Emphasis Area 12 hours

Business Emphasis

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

Behavioral Science Emphasis

Psy 101 Introduction to Psychology	3
Psy 221 Lifespan Development	3
Soc 101 Introduction to Sociology	3
Soc 345 Social Problems	3

Communication Emphasis (Select 12 hours)

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
CTA 413 Aging and Communication	3
Gero 422 Intergenerational Programming and Activities	3

Family Life Emphasis

FL 221 Lifespan Development	3
OR Gero 205 Adult Development	3
Nine additional hours from the following:	
FL 446 Family Dysfunctions: Assessment and Intervention*	3
FL 443 Theory and Dynamics of Family Relations*	3
FL 447 Family Law and Public Policy*	3
FL 440 Family Resource Management*	3
FL 428 Parent Education**	3
FL 444 Lifespan Family Education**	3
FL 445 Foundations of Christian Marriage and Family**	3
FL 433 Aging and the Family**	3
FL 483 Sexuality and the Family**	3
FL 485 Family Life Ministry**	3

*Online Course

**Hybrid Course

Gerontology Emphasis

Psy 221 Lifespan Development	3
OR Gero 205 Adult Development	3
Nine additional hours of upper level gerontology electives	9

Self-Directed Study

The student selects and provides a rationale for their course selections; 9 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.

B.A. MAJOR IN GERONTOLOGY AND AGING STUDIES

1. General Education	48 hours
2. Gerontology Core	36 hours
Common requirements	18 hours

Gero 205 Adult Development and Aging	3
Gero 401 Aspects of Health and Aging	3
Gero 402/Soc 333 Social Gerontology	3
Gero 403 Mental Health and Aging	3
Gero 404 Faith/Spiritual Development and Later Life	3
Math 122 Statistics (prior to taking upper-level courses)	3

Aging Elective(s)

9 hours

Psy 221 Lifespan Development	3
Gero 400 Issues in Gerontology (recommended if not taken in the core)	3
Gero 411 History and Literature of Aging	3
Gero 412 Life Review, Autobiography and Creative Non-Fiction	3
Gero 413 Aging and Communication	3
Gero 414 Aging Policy, Programs and Services	3
Gero 415 Retirement and Life Span Financial Issues	3
HHP 488 Health Promotion Programming	3
Gero 417 Aging and the Brain	3
Gero 418 Nutrition and the Older Adult	3
Gero 419 Death, Dying and Trauma	3
Gero 420 Long Term Care Administration	3
Gero 421 Events and Activities Management	3
Gero 422 Intergenerational Programming and Activities	3
Gero 423 Geriatric Counseling	3
Gero 425 Complementary Therapies	3
Gero 426 Parish Nursing	3
Gero 427 Theories and Applications in Nursing Informatics	3
Gero 430 Issues of Aging and Longevity for Health Professionals and Caregivers	3
Gero 498 Special Topics in Aging	3

Professional/Content Elective(s)

6 hours

Additional aging electives from above OR select from lifespan related courses in an area of professional interest including not exclusive to:

Bio 371 Biology of the Brain	3
Bio 444 Nutrition	3
HHP 465 Human Diseases	3
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	3
Psy 445 Abnormal Psychology	3
Soc 221 Social Problems	3
Soc 331 The Family	3
SW 201 Intro to Social Work	3
Theo 385 Parish Visitation and Evangelism	3
Theo 482 Nurturing the Faith	3
Theo 483/583 Sexuality and the Family	3
Theo 487 Planning Adult Education in the Congregation	3
Theo 485 Family Life Ministry	3

Application Project

3 hours

Gero 499 Practicum (156 hours over the last year of the program)	3
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UNDERGRADUATE GERONTOLOGY CERTIFICATE REQUIREMENTS

1. Common Requirements

12 hours

Gero 400 Issues in Gerontology and Aging Studies	
OR Gero/CTA 205 Adult Development and Aging	3
Gero 401 Aspects of Health and Aging	3

Gero 402 Social Gerontology (Social, Community and Interp. Issues in Aging)	
OR Soc 333 Social Gerontology	3
Gero 403 Mental Health and Aging	3

2. Aging Electives

3 hours

Gero 400 Issues in Gerontology and Aging Studies	3
Gero 404 Faith/Spiritual Development and Later Life	3
Gero 411 History and Literature of Aging	3
Gero 412 Life Review, Autobiography and Creative Non-Fiction	3
Gero 413 Aging and Communication	3
Gero 414 Aging Policy, Programs and Services	3
Gero 415 Retirement and Life Span Financial Issues	3
HHP 488 Health Promotion Programming	3
Gero 417 Aging and the Brain	3
Gero 418 Nutrition and the Older Adult	3
Gero 419 Death, Dying and Trauma	3
Gero 420 Long Term Care Administration	3
Gero 421 Events and Activities Management	3
Gero 422 Intergenerational Programming and Activities	3
Gero 423 Geriatric Counseling	3
Gero 425 Complementary Therapies	3
Gero 426 Parish Nursing	3
Gero 427 Theories and Applications in Nursing Informatics	3
Gero 430 Issues of Aging and Longevity for Health Professionals and Caregivers	3
Gero 498 Special Topics in Aging	3
HHP 488 Health Promotion Programming	3
Soc 533 Aging and the Family*	3

3. Professional/Content Elective(s)

3 hours

Additional Aging Elective from above OR relevant elective in major field

4. Application Project

3 hours

Gero 499 Practicum (156 clock hours over the last year of the program) OR Major/minor based internship/practicum completed with older adults. (Students must complete a practicum equivalent project as part of the internship.)

*Undergraduate Credit Only; Included in either the Family Life Ministry or Religious Education Programs

Note: For more information on the Gerontology and Aging Studies program, see page 72. All minors listed in the undergraduate catalog are available for Degree Completion students pursuing a Bachelor of Arts degree.

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.

ART

Art 101 Fundamentals of Art (3)

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

Art 103 Drawing I (3)

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

Art 145 Digital Imaging (3)

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

Art 161 Visual Studies (1)

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)

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)

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

Art 203 Two-Dimensional Design (3)

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

Art 205 Three-Dimensional Design (3)

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

Art 213 Drawing II (3)

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)

Basic approaches to drawing the human figure (emphasis on drawing heads and faces); study of form, anatomy and expression and experimentation with various styles and techniques. Prerequisite: Art 213.

Art 215 Drawing IV (3)

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.

Art 223 Watercolor (3)

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

Art 224 Advanced Watercolor (3)

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)

The purpose of this course is to explore 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. Personal taste is an issue in this course not as something to be satisfied and not as criterion for judgment but, instead, as something to be made more intelligent and more sophisticated through a process of continual challenge. Attendance is mandatory. This is an experience class and growth comes only through continued active participation. Course fee.

Art 243 Ceramics (3)

Exploration of a variety of construction methods, including the wheel, and diverse approaches to glazing and firing. Course fee. Prerequisites: Art 101, 103.

Art 244 Advanced Ceramics (3)

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

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

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

Art 271 Art History I (3)

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

Art 272 Art History II (3)

A study of painting, sculpture and architecture from early Renaissance through 19th century styles. The art of the Eastern cultures of China and Japan will also be explored. Prerequisite: Art 271.

Art 273 Art History III (3)

A study of the diverse movements within the fields of painting, sculpture, architecture and photography from the beginning of the 20th century to the present time. Recent developments in art theory will be emphasized. Prerequisite: Art 272.

Art 280 Typography (3)

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

Art 301 Methods of Art Education (2)

Prepares to teach art history, art criticism, art production, and aesthetics in the elementary classroom. Provides opportunity to identify, understand, and evaluate children's art work. Explores two and three dimensional media and the production of an art curriculum.

Art 303 Layout and Design (3)

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

Art 315 Printmaking (3)

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)

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

Art 320 Digital Drawing (3)

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

Art 325 Painting (3)

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

Art 326 Advanced Painting (3)

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

Art 330 Digital Painting (3)

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

Art 335 Advanced Digital Photography (3)

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)

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

Art 346 Advanced Sculpture (3)

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

Art 351 Illustration I: Focus on Retail Illustration (3)

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

Art 352 Illustration II: Focus on Editorial Illustration (3)

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

Art 355 Scientific Illustration (3)

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

Art 356 Advanced Scientific Illustration (3)

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)

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

Art 370 Studies in Art (2)

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

Art 375 Ecclesiastical Art Studio (3)

Work in conjunction with the Center for Liturgical Arts on projects ranging from stained glass window design to site-specific installation of art or worship accoutrements. Prerequisite: Art 325.

Art 377 Ecclesiastical Art Internship (3)

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

Art 390 Graphic Design Internship (3)

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

Art 399 Independent Study (2-6)

Hours and projects by arrangement.

Art 403 Advanced Layout and Design (3)

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

Art 407 Advanced Graphic Design (3)

Concentrated study in conceptual and practical problem solving as related to visual communication. Course fee. Prerequisites: Art 303, 351, 352.

Art 425 Collage and Mixed Media (3)

A study of the history and theory of collage. Exploration of the unique characteristics and potential of collage; various techniques and styles for personal expression. Prerequisites: Art 103, 203, 205.

Art 426 Advanced Collage Mixed Media (3)

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)

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)

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 Graphic Design Portfolio (2)

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

Art 490 Senior Design Studio (3)

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

Art 495 Graphic Design Practicum (3)

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)

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)

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

Bio 111 General Biology I (4)

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

Bio 112 General Biology II (4)

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

Bio 141 General Botany (3)

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

Bio 207 Human Genetics: Applications and Issues (3)

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

Bio 208 General Genetics (4)

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.

Bio 222 Entomology (3)

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

Bio 224 Invertebrate Zoology (3)

Lecture 2, Lab. 2. The structure, taxonomy, relationships and life histories of animals without backbones.

Prerequisite: Bio 110 or Bio 112 or permission.

Bio 225 Vertebrate Zoology (3)

Lecture 2, Lab. 2. The structure, taxonomy, relationships and life histories of animals with backbones; includes functional vertebrate morphology. Prerequisite: Bio 110 or Bio 112 or permission.

Bio 230 Introduction to Forensic Science (3)

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

Bio 231 Introduction to Forensic Science Lab (1)

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

Bio 243 Elements of Human Anatomy and Physiology (4)

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

Bio 271 Introductory Embryology (3)

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

Bio 288 Animal Behavior (3)

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

Bio 299 Introduction to Research in Biology (1-3)

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.

Bio 317 Ecology and Field Biology (3)

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)

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

Bio 320 Histology (3)

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

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

See Eng 324.

Bio 330 Advanced Forensic Science (3)

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

Bio 343 Human Anatomy and Physiology I (4)

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

Bio 344 Human Anatomy and Physiology II (4)

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

Bio 345 Midwest Floral Identification (3)

Lecture 2, Lab. 2. The principles of flowering plant classification are studied. Plant family relationships and distributions are emphasized by collection and identification in field and laboratory. Prerequisite: Sophomore standing or higher.

Bio 351 General Microbiology (4)

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

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

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

Bio 371 The Biology of the Brain (3)

A study of the structure and function of the brain, neurotransmitter systems, their interactions, and implications for brain function. Neurodegenerative disorders are discussed as examples throughout the course.

Bio 377 Conservation Biology (3)

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

Bio 380 Biology Service Learning (2-3)

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)

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

Bio 399 Research in Biology (1-3)

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.

Bio 417 Aging and the Brain (3)

See Gero 417.

Bio 444 Nutrition (3)

A study of nutrients, their chemical structures, digestion, absorption and utilization in the body. The roles of nutrients, recommended allowances, their interactions and the results of deficiencies. May be used as an elective in general education component.

Bio 450 Gross Anatomy (3)

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

Bio 465 Human Diseases (3)

See HHP 465.

Bio 489 Immunology (3)

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

Bio 498 Biology Internship (1-3)

Students gain experience in a biology and/or medical related field by working in an internship position under direct supervision of a biologist and/or medical personnel. Prerequisites: Bio 111, Bio 112, 12 hours of upper-level biology courses, Chem 115, Chem 231, or Chem 345, minimum junior standing and permission of the biology faculty. In addition to consulting with Biology faculty, students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. (Note: This course may serve as an elective in the Bachelor of Science program in Biology. The term facility includes laboratories, research laboratories, clinical settings, field study sites, or other appropriate settings in which research takes place.)

Bio 499 Honors Course

Arranged for qualified seniors.

BUSINESS

Bus 121 Financial Accounting (3)

An introduction to the theory, language, and practice of accounting. Major components of the primary financial statements are examined. Emphasis on the uses of financial information.

Bus 122 Managerial Accounting (3)

An introductory course in managerial accounting. Topics include methods of costing, cost-price-volume relationships, flexible budgets, budget variances, capital budgeting decisions, cost allocations. Prerequisite: Bus 121.

Bus 221 Intermediate Accounting I (4)

An in-depth study of financial statements, accounting concepts and principles. Discussion of alternative theoretical views. Current professional pronouncements are examined and generally accepted positions defined. Prerequisite: Bus 121.

Bus 222 Intermediate Accounting II (4)

Continuation of Bus 221.

Bus 261 Marketing (3)

Provides students with a thorough appreciation for the benefits and pitfalls of executing a customer orientation. Using market segmentation; management of mature products and introduction of new products. Developing long-term relationships with customers. Identifying and analyzing possibilities in consumer and industrial markets. Management of the marketing mix including product planning, distribution institutions and activities, promotion and pricing. Prerequisite: Sophomore standing or higher.

Bus 281 Business Communication (3)

The intense study of business writing and speaking using audience analysis. Implications for organizational communication and structure are considered. Major assignments include writing letters and reports for targeted audiences, analysis of organizational rhetoric as related to those products, self-presentation and audience analysis in interview situations, and editing skills. Prerequisite: Eng 102. Recommended: CTA 211. Same as CTA 281.

Bus 300 Business Law (3)

The course is designed to introduce the student to the rules of law under which the business world operates. It provides the student with a basic understanding of the legal rights and duties which arise from common business transactions. Topics include contracts, personal property, real property, insurance, estates and agency. Prerequisite: Sophomore standing or higher.

Bus 309 Small Group Theory for Teams and Leadership (3)

Analysis and study of theories of small groups, including theories of leadership and the facilitation of groups and group dynamics. Areas of study may include goal setting, cohesion and norms, leadership, problem solving, conflict, and facilitating in groups. Prerequisite: Eng 102. Same as CTA 309.

Bus 321 Cost Accounting (3)

Determination of product cost, effective cost control. Use of costs in setting budgets. Additional topics include process and job-order costing and inventory control. Prerequisite: Bus 122.

Bus 322 Advanced Accounting (3)

Accounting theory and practice applied to business combinations, multinational accounting, governmental accounting, not-for-profit accounting, partnerships, trusts and estates. Prerequisites: Bus 221, junior standing.

Bus 323 Financial Statement Analysis (3)

Application of concepts from introductory accounting and finance. Ratio analysis, capital budgeting, dividend policy, leverage, and acquisition valuation. Prerequisite: Bus 331. (Also listed as Bus 333.)

Bus 325 Accounting and Information Systems (4)

Survey of the information systems discipline including accounting systems, information technology, telecommunications and networks, systems design and development and security/privacy issues. Improving organizational effectiveness through appropriate use of information system resources. Prerequisites: Bus 121, sophomore standing.

Bus 325A Accounting and Information Systems (1)

A supplement to Bus 371, when students have taken Bus 371, focusing specifically on accounting information systems. Bus 371 (3 hrs) plus Bus 325A (1 hrs) is equivalent to Bus 325 (4 hrs).

Bus 331 Finance (3)

Fundamentals of financial management. Policy, methods, institutions, and tools of financial management involved in financing the business organization. Prerequisites: Econ 101, 102, Bus 121.

Bus 333 Corporate Finance (3)

Application of concepts from introductory finance as well as a more thorough investigation of selected topics such as capital budgeting, dividend policy, leverage and acquisition valuation. Prerequisite: Bus 331. (Also listed as Bus 323.)

Bus 335 Investments (3)

Investments is a course in management of financial assets. Major topics covered include an introduction to investments and the security markets, analysis and valuation of equity securities, issues in efficient markets, fixed income and leveraged securities, derivative products, and international markets. Prerequisite: Bus 331.

Bus 336 Insurance (3)

Designed to familiarize students with risk management, insurance, and career opportunities in the field of insurance. Recognizing and evaluating the property, liability, and personal risks facing businesses, non-profit organizations, government units, individuals, or families. Tools of risk management, selecting and dealing with an insurer, public policy issues. Prerequisite: Bus 331 or concurrent enrollment.

Bus 337 Banking (3)

Designed to familiarize students with banking and career opportunities in the field of banking. The institutional and regulatory context of banking; management goals and performance evaluation; alternative policies for asset and liability management, liquidity and capital adequacy planning. Loan policies for commercial, international, and consumer credit; structuring of domestic and international commercial loans. Prerequisite: Bus 331 or concurrent enrollment.

Bus 343 Operations Management (3)

A functional study of operational concepts as applied to managing the production of goods and services within a variety of environments such as profit, nonprofit, service and manufacturing-oriented organizations. Prerequisite: Math 122.

Bus 345 Management Science (3)

Introduction to management science, including modeling, linear programming, integer programming, network analysis, waiting line theory, simulation, decision analysis, and inventory models. Prerequisite: Math 122.

Bus 351 Human Resources Management (3)

Knowledge and skill-building for working with people in a business or organization. Business ethics as they relate to Christian principles. Theory combined with applications from psychology and interpersonal communications serve as the focal point of the course. Participants will learn to relate more effectively to others in the work environment. Prerequisite: junior standing.

Bus 362 Advertising and Integrated Marketing Communication (3)

How marketers communicate — advertising, sales promotion, public relations, direct and personal selling, event planning, sponsorships. Setting objectives, message strategy, media strategy, measuring effectiveness. Management of promotional activities: advertising, sales promotion, public relations, direct marketing. Promotional objectives, budgets and strategies; organization of the advertising function; media selection and evaluation; advertising research and message, computer modeling. Prerequisite: Bus 261. Same as CTA 362.

Bus 363 Sales and Sales Management (3)

Planning and implementation of personal selling activities. Sales force management concepts, including: objectives, organization, recruiting, selection, training, development, supervision, motivation, performance evaluation and control. Emphasis on industrial selling. Development of professional selling elements such as understanding buyer behavior, building trust, effective communication, leadership and teamwork skills, and the strategic selling process. Prerequisite: Bus 261.

Bus 364 Consumer Behavior (3)

Studies the 'why' of marketing; why consumers prefer certain products and services. Emphasizes behavioral science concepts in an application-oriented environment as they relate to the process of consumption. Buying behavior and analysis. Perception, motivation, learning, attitude structure and change, social influences and cultural forces relevant to buyer behavior and decision processes. Prerequisite: Bus 261.

Bus 366 Marketing Research (3)

Explores the role of marketing research in analyzing new opportunities in the marketplace through hands-on practice. Effective oral and written communication of research results is stressed. Topics include research study and instrument design, data collection and analysis, primary and secondary data collection, sampling and statistical analysis. Prerequisites: Bus 261 and Math 122.

Bus 368 Internet Business Models (3)

Overview of the marketing and technical aspects of e-commerce. Introduces the Internet, the World Wide Web, and related technologies as they are used for the marketing, selling, and distribution of goods and services. Students develop an understanding of opportunities and limitations and how to use these technologies to improve marketing practice. Students are introduced to basic network concepts and protocols; how various markets (consumer, business-to-business, and government) make use of e-commerce. Prerequisite: Bus 261.

Bus 369 International Business (3)

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)

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)

See CTA 385.

Bus 399 Internship (1-3)

Students will take an internship as part of their program of studies in business. Students should consult with the director of business and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. May be repeated once. P/F.

Bus 400 Business Ethics (3)

A study of Christian ethics and practice in relationship to the conduct of business. Case studies are utilized to give skills in problem analysis and the application of the Christian vision. Prerequisite: junior standing.

Bus 401 Business Ethics (3)

A study of Christian ethics and practice in relationship to the conduct of business. Case studies are utilized to give skills in problem analysis and the application of the Christian vision. Degree Completion Program only.

Bus 405 Professional Studies (3)

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)

See Gero 415.

Bus 421 Tax Accounting (3)

Examination of present federal tax laws with reference to accounting principles and procedures applied to the preparation of tax returns of individual and fiduciaries. Topics include gross income, capital gains and losses, non-business deductions, inventories and bad debts. Prerequisite: Bus 221 or permission of instructor.

Bus 422 Auditing (3)

Methods of conducting various audits. Principles and procedures used to determine accuracy and reliability of financial records. Preparation of the audit report. The auditor's certificate. Prerequisite: Bus 221.

Bus 442 Information System Design and Development (3)

The activity of creating a new business information system. Systems investigation, analysis, design, implementation, maintenance and review. Prerequisite: Bus 325 or 371.

Bus 443 Organizational Behavior (3)

A study of human behavior in organizational settings, the interface between human behavior and the organization, and the organization itself. Topics include organizational culture, diversity, gender communication, rewards and punishment, work place design, work teams, conflict management, leadership, total quality management and organizational development. Prerequisite: Junior standing or higher.

Bus 446 Administrative Policy (3)

Designed to give the student practice in integrating the numerous theory courses in all phases of business management. In the role of the top manager, responsible for the total enterprise, the student applies these theories to the solution of problems in practical business cases. Decisions are made to direct the operation of a simulated business in a competitive market. Prerequisite: senior standing.

Bus 481 Organizational Communication (3)

See CTA 481.

CHEMISTRY

Chem 109 Introductory Chemistry (3)

Lecture 2, Lab. 2. An introduction to the concepts of inorganic chemistry, the common elements, and their compounds. Selected topics in organic chemistry, polymer science, biochemistry, food chemistry, and fuels chemistry. May serve as a prerequisite for Chem 115. This course is intended for students with little or no previous chemistry experience.

Chem 115 General Chemistry (4)

Lecture 3, Lab. 3. General principles of chemistry with emphasis on inorganic. Prerequisite: A year of H.S. chemistry or Chem 109.

Chem 116 General Inorganic and Qualitative Analysis (4)

Lecture 3, Lab. 3. A continuation of general inorganic chemistry and the application of the subject to the fundamentals of qualitative analysis. Prerequisite: Chem 115.

Chem 231 Organic Chemistry I (4)

Lecture 3, Lab. 3. The compounds of the aliphatic and aromatic series, stressing general principles. The basic understandings in this area, an appreciation of the relation of organic chemistry to daily life. Prerequisite: Chem 115.

Chem 313 Advanced Inorganic Chemistry (3)

Lecture 3. An advanced course with emphasis on inorganic chemistry from the standpoint of the periodic table. Atomic structure, theories of acids and bases, coordination chemistry, chemical bonds, and oxidation potentials. Prerequisites: Chem 116 and Chem 231.

Chem 325 Quantitative Analytical Chemistry (4)

Lecture 3, Lab. 3. The fundamental principles of gravimetric and volumetric quantitative analysis and including some instrumental analysis. Prerequisite: Chem 116.

Chem 331 Organic Chemistry II (4)

Lecture 3, Lab. 3. This course, along with Chemistry 231, covers the material typically covered in the first year organic chemistry course. Prerequisites: Chem 116 (or concurrent enrollment) and Chem 231.

Chem 345 Introductory Biochemistry (4)

Lecture 3, Lab. 3. Introduction to the biochemistry of carbohydrates, fats, proteins and nucleic acids; the metabolism of foods. Prerequisites: Chem 231 and introductory biology.

Chem 353 Physical Chemistry (3)

Lecture 3. A theoretical study of chemistry dealing with the gaseous, liquid, solid and colloidal states of subdivision, solution, thermodynamics, reaction kinetics, equilibrium, and electrochemistry. Prerequisites: Chem 116, Chem 231 and Math 186 (or concurrent enrollment in Math 186), Phys 111 is recommended. Same as Phys 353.

Chem 354 Physical Chemistry II (3)

Lecture 3. A continuation of Chem 353, Statistical Mechanics. An introduction to Quantum Mechanics with applications to the structure of atoms and molecules and to spectroscopy. Prerequisites: Chem 116, Chem 231, Math 186. Phys 111 and Math 284 are recommended. Same as Phys 354.

Chem 355 Physical Chemistry Laboratory (1)

Lab. 3. Same as Phys 355.

Chem 356 Physical Chemistry Laboratory II (1)

Lab. 3. Same as Phys 356.

Chem 395 Advanced Topics in Chemistry Seminar (3)

Advanced study of the concepts and techniques of an area of chemistry important to the field and outside the content of other chemistry courses. Specific topics will be determined by the instructor and the students, and may include Instrumental Analysis, Theoretical Chemistry, Chemical Synthesis, or Physical Biochemistry. Prerequisites: Upper-level standing in chemistry or approval of the instructor.

Chem 399 Chemistry/Biochemistry Internship (3)

Students gain experience in a chemistry and/or biochemistry-related field by working in an internship position under the direct supervision of a chemist and/or a biochemist. Students should consult the Chemistry faculty and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. Prerequisites: Bio 111, Bio 112, Chem 115, Chem 116, Chem 231, Chem 325, Chem 331, minimum junior standing and permission of the chemistry faculty.

COMMUNICATION AND THEATRE ARTS

CTA 103 Experiences in Human Communication (3)

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)

An introduction to the appreciation of theatre as an international art form which reflects cultural values. Students increase their critical and analytical abilities by reading about theatrical production, and reading, viewing, and performing dramatic literature. They also participate in the production of theatre in an eight-hour lab.

CTA 152 Basic Acting Technique (3)

An introductory acting course which enhances students' communication skills through the study of physical, vocal, analytical and intuitive techniques used in creating a character for theatrical performance.

CTA 153 Theatre History (3)

A survey class that begins with ritual drama and selective Egyptian, Greek and Roman developments of dramatic form. It will include Medieval and Renaissance drama, Neoclassicism, Romanticism, Realism and other twentieth century genres and styles as they occur in Western Europe and the United States. Contributions of selected Asian and African theatre forms and Native American dance drama will be also introduced.

CTA 154 Creative Drama (3)

Dramatic exercises and improvisation for personal development and procedures for leading creative drama in classroom, parish, and other group settings.

CTA 200 Forensics (3)

An overview of competitive speech events, argumentation, debate and practice. Students are required to prepare for

competitive speaking and will study issues related to practice, coaching, research, budgeting and tournament administration and practice.

CTA 203 Communication Theory (3)

Course features an overview of communication theory from the classical tradition to current theoretical approaches in human communication. In addition, the course will offer in-depth study in one of the following areas: instructional communication, organizational communication, mass communication theory, interpersonal communication and rhetorical theory. Special topics will be announced by the instructor prior to registration in accord with the instructor's special interests and in consultation with prospective registrants. Location, analysis and application of research is a focus of the course. Prerequisite: Eng 102.

CTA 205 Adult Development and Aging (3)

This course provides students with an overview of adult lifespan development from a psychological and communicative perspective as well as an introduction to aging studies overall. The course is offered as an elective to students in BA programs and to students in gerontology areas. Same as Gero 205.

CTA 211 Public Speaking (3)

Students develop fundamental skills in the art of public speaking through the preparation and presentation of speeches designed for a variety of occasions, audiences, and situations. Skills of organization, delivery, and speech criticism developed.

CTA 221 Communication Processes and Disorders (3)

This course is an introduction to the fundamentals of speech and language pathology as a profession and an overview of the basic communication processes and disorders.

CTA 225 Writing and Reporting (3)

Students will learn about the principles and techniques of news gathering and writing by reporting on stories of interest to the campus community. Students will also explore ethical guidelines and legal issues of contemporary journalism. Prerequisite: Eng 102.

CTA 226 Journalistic Design (3)

Working in a laboratory setting, students will learn to apply rhetorical concepts and design principles in the production of communication pieces for various media. Special emphasis will be placed on newspaper design.

CTA 231 Oral Interpretation (3)

Development of vocal and physical communication skills through the analysis and performance of literature. Students perform prose, poetry, drama, and non-fiction sources.

CTA 232 Costume and Makeup Design (2)

This course teaches the principles and elements of costume design and provides instruction in basic stage makeup techniques such as aging, character makeup and stylized makeup.

CTA 233 Stage Scenery, Lighting and Sound (4)

This class offers organized study of basic stage scenery design principles and set construction techniques. Students learn the basics of stage lighting design theory and the safe placement and circuiting of stage lighting. Students also study basic principles of sound amplification in a theatre setting and copyright laws concerning sound design. Students in these classes may assist with the current production(s) as class projects, but the course content is consistent from semester to semester.

CTA 241 Media: Impacts and Influences (3)

Studies in print and electronic media as forces affecting the individual and society. Research projects and student media presentations enable the student to explore and experience techniques of mass media and assess their impact.

CTA 242 Introduction to Broadcast Journalism (3)

Students will learn about principles and techniques of preparing news programming for radio and television. Students will explore ethical and legal issues unique to broadcast journalism.

CTA 281 Business Communication (3)

See Bus 281.

CTA 296 Journalism Practicum (1)

Working on the staff of the student newspaper, students will utilize their reporting, writing, design and/or photographic skills. The course is required for the Journalism/Public Relations emphasis in the Communication major and for the Journalism and Public Relations minor. Prerequisite: CTA 225, CTA 226 or Art 235. P/F.

CTA 298 Forensics Practicum (1)

Interscholastic speech competition including: literary interpretation, public address, parliamentary debate, Lincoln–Douglas

Debate (NFA Policy Debate), and other events in competitive speaking. The course may be used for up to three hours in a communication major, although the course may also be taken for additional free elective hours. Prerequisite: Permission of the instructor.

CTA 299 Theatre Practicum (1)

Direct experience in play production in acting, assistant directing, theatre management or technical theatre design or construction. Students receive one credit per semester for 40 hours of participation in campus productions. The course may be used for up to three hours in a communication major or for General Education Fine Arts credit, although the course may also be taken for additional free elective hours. Registration does not guarantee an acting role, but all students who register will be given opportunities to earn credit in areas of technical theatre production.

CTA 300 Placement Seminar (1)

The course includes resume and portfolio creation, attendance at professional placement seminars, mock interviews, meetings with field professionals and internship applications and searches. Prerequisite: upper-level standing or permission of department chair. Also offered as Eng 300 Placement Seminar.

CTA 301 Public Relations (3)

An exploration of the diverse field of public relations, as it is practiced in large corporations, small businesses, educational institutions and church-related organizations. Students will examine the role, methods and ethical considerations of the profession.

CTA 302 Rhetorical Theory (3)

An overview of the historical development of rhetoric and rhetorical theory beginning with the ancients and continuing into the contemporary period. Topics include: Greek, Roman, and other European traditions in rhetoric as well as contemporary issues in rhetoric including minority contributions to rhetoric, the development of current speech and composition theory, and future trends in rhetorical study. Prerequisite: Eng 102.

CTA 306 Interpersonal Communication in Film and Television (3)

In-depth work and analysis of interpersonal communication using film and television as a mode of study. 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)

See Bus 309.

CTA 311 Persuasion, Argumentation and Debate (3)

Analysis and application of the ways in which beliefs, values, attitudes, and behavior are deliberately influenced through communication. Areas of study include debate and argumentation, logic, persuasion, propaganda campaigns in both written and oral forms. Formalized debates and public speeches are among class activities. Prerequisite: CTA 211.

CTA 385 Arts Administration (3)

An overview of the field of arts administration, including curation, development, public relations and education. Same as Bus 385.

CTA 327 Advanced Writing and Reporting (3)

A deeper exploration of the topics introduced in CTA 225. Students will study several areas of news coverage and produce stories for the campus newspaper or other publications. Prerequisite: CTA 225.

CTA 333 Intercultural Communication (3)

The study of cultural practices that influence the exchange of meaning between individuals and groups of differing cultural/racial backgrounds. The course is designed to provide students with an understanding of the uniqueness of cultures, the resulting variations in communication styles and preferences, and to provide strategies and skills for successful communication across cultures. 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)

See Bus 362.

CTA 373 Play Production (3)

Designed to prepare the student in the artistic techniques of play direction and supervision in the areas of set design and construction, lighting, makeup, costuming, and publicity. Lab sessions and the direction of a one-act play offer actual experience in directing actors. Prerequisite: CTA 152 and CTA 153.

CTA 399 Independent Study

Topic, instructor and hours by arrangement. May be used to pursue special interests in any of the communication major emphases. Prerequisites vary according to program; junior or senior standing and permission of instructor are required.

CTA 400 Communication Research (3)

An overview of the methodological approaches to communication research. Students are strongly encouraged to enroll in this course prior to taking independent research/thesis projects in CTA 399 or 499. Topics include: types of research questions, approaches, philosophy of knowledge, and structure of research. Required for all communication majors. Prerequisite: Eng 102 and one CTA theory class.

CTA 413 Aging and Communication (3)

This course examines lifespan communication issues including: intergenerational issues in media and marketing, lifespan language and communication development, intercultural communication and lifespan, caregiver/receiver communication and intergenerational relationship development. Same as Gero 413.

CTA 481 Organizational Communication (3)

An overview and application of organizational communication theory. Same as Bus 481.

CTA 488 Conflict Resolution: Coaching (3)

See Educ 488.

CTA 489 Conflict Resolution: Mediation II (3)

See Educ 489.

CTA 499 Internship (1-3)

Students and instructors work together to arrange suitable professional experiences with specified goals, activities and evaluation procedures. The course may be used to fulfill requirements in the Communication major or the Composition and Rhetoric minor. Prerequisites vary according to program; junior or senior standing. Permission of instructor is required. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. P/F.

COMPUTER SCIENCE

CS 121 Programming and Applications (3)

The first half of the semester is spent in development of skill in translating problems into algorithms as simple programs in a high-level programming language. The second half of the semester includes projects related to word processing, databases, electronic spreadsheets and graphics.

CS 131 Computer Programming I (3)

The development of skill in translating problems into algorithms and implementing these algorithms into a high-level programming language. An emphasis will be placed on good programming style including structured programming techniques. An overview of the organization and operation of a computer system will be given.

CS 141 Computer Programming II (3)

Continued development of discipline in program design, writing, testing and debugging with C++ as the high level programming language. Algorithms to be studied include internal sorting and searching methods, string processing, and the manipulation of data structures: arrays, stacks, queues, and linked lists. Prerequisite: CS 131.

CS 231 Introduction to Computer Systems (3)

An introduction to the architecture of a computer system at the hardware register level. In addition to a general discussion of the organization of a central processing unit specific examples of both CISC and RISC architectures are discussed in detail. Prerequisite: CS 141.

CS 241 Introduction to Computer Organization (3)

An introduction to logic design including properties of gates and flipflops, the design of simple logical networks, representation of information as digital signals, and implementation of arithmetic operations. The mechanics of information transfer and logical control within a computer system will be studied. Laboratory work circuits and breadboards is an essential component of this course. Prerequisite: CS 141.

CS 251 Introduction to File Processing (3)

Storage, manipulation, and retrieval of information stored in large files on bulk storage devices such as disks and tapes. Organization of file systems including relational databases is a key topic. Algorithms for manipulating data structures appropriate to file processing are discussed. Prerequisite: CS 141.

CS 261 Operating Systems and Computer Architecture I (3)

An introduction to the concepts of operating systems with an emphasis on the inter-relationship between the operating system and the hardware architecture of the computer system. Prerequisites: CS 231, 241 (251 is recommended).

CS 321 Numerical Analysis (3)

See Math 321.

CS 324 Computer Graphics (3)

An introduction to the generation and manipulation of graphical images on computer displays. Both 2D and 3D graphics are covered with an emphasis on hierarchical modeling. Topics include clipping, representation of curves and surfaces, 2D and 3D transformations, hidden edge and surface elimination, shading and others. Prerequisite: CS 141 or equivalent.

CS 334 Organization of Programming Languages (3)

An applied course in programming language constructs emphasizing the run-time behavior of computer programs. The course provides an introduction to formal and theoretical aspects of programming languages and will include a comparison of many current languages. Prerequisite: CS 141 (CS 231 and CS 251 are highly recommended).

CS 341 Computer Networks (3)

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: CS 251 and CS 261.

CS 344 Data Structures and Algorithm Analysis (3)

A course which will apply analysis and design techniques to non-numeric algorithms which act on data structures. Algorithm analysis and design criteria will be utilized in the selection of methods for data manipulation in such areas as database management, memory management, and system design. Prerequisite: CS 141.

CS 348 Discrete Structures (3)

An applied course in discrete mathematical structures emphasizing their application to computer science. The course will relate mathematical concepts such as sets, trees, graphs, logic, combinatorics, relations and groups to computer science problems and applications. Computer science topics integrated into the course include data structures, algorithm design and algorithmic analysis and testing. Prerequisite: CS 141. Math 252 is strongly recommended.

CS 351 Database Design and Management (3)

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: CS 251.

CS 361 Operating Systems and Computer Architecture II (3)

A course to continue the development of operating systems and computer architecture. Concurrent processes, name management, resource allocation, protection and access implementation, and advanced implementations of pipelining, parallelism, user interface considerations, networking, and distributed systems will be studied. Prerequisite: CS 261.

CS 39x Seminar in Computer Science (3)

Current topics in the constantly and rapidly changing field of computer science will be the focus of this course. Possible topics include Database Design, Artificial Intelligence, Networks, Microcomputer Applications, Software Design and Development, Automata and Formal Languages, and Compiler Design. Prerequisite: CS 141.

CS 391 Computer Science Senior Project (3)

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)

Students gain experience in a computer science-related field while working in an internship position under the direct supervision of a computer professional. Students should consult with the computer science faculty and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. This course may be used

to satisfy the 128 hours necessary for graduation. Prerequisites: 18 hours of computer science, junior standing and permission of the computer science faculty.

CS 442 Management Information Systems Design and Development (3)

See Bus 442.

ECONOMICS

Econ 101 Principles of Macroeconomics (3)

A study of the performance of the American economy. Includes an introduction to national income, employment, fiscal policy, money and monetary policy. In addition, topics of economic stability and analysis of economic growth are covered.

Econ 102 Principles of Microeconomics (3)

Examination of the behavior of microeconomic units such as consumers, firms and industries. Includes analysis of the problems of monopoly, urbanization, income inequality and poverty. International economics and the world economy are discussed.

Econ 104 Principles of Macroeconomics (3)

A study of the performance of the American economy. Includes an introduction to national income, employment, fiscal policy, money and monetary policy. In addition, topics of economic stability and analysis of economic growth are covered. Degree Completion Program only.

EDUCATION

Educ 101 Teaching as a Profession (1)

Introduces a broad picture of K–12 teaching as a career in Lutheran schools, other private schools and public schools. Students will be introduced to the teacher education program and guided in the process of application to the program. Participation in at least 10 hours of focused K–12 classroom observations required.

Educ 201 Introduction to Education (3)

An orientation to the field of education with an emphasis on the service role of the teacher. Historical, philosophical, and sociological foundations of American public and private education are explored. Current trends and issues are examined. Prerequisite: Educ 101. May not be taken first semester of freshman year. Should be taken the same semester as EDPS 210.

Educ 211 Middle Level Seminar I (2)

An exploration of middle level curriculum, students, and organizational patterns, intended to introduce middle level concepts to individuals interested in pursuing a middle level endorsement. Action research will necessitate out-of-class time involving middle level students, faculty and parents. Sem I only. Prerequisites: Educ 201, or take simultaneously.

Educ 229 Introduction to DCE Ministries (2)

A study of church work roles in the LCMS with a focus on Director of Christian Education (DCE) ministry including its history, issues, and current practice. Students will also be given opportunity to reflect on their fit and commitment to training for DCE ministry within Concordia's model of preparation.

Educ 235 CEL Field Experiences I (1)

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.

Educ 300 Outdoor Christian Education (2)

This course is an examination of the historical and contemporary purposes and formats of Outdoor Christian Education. Students will be equipped with the skills needed to implement an effective Outdoor Christian Education program in a congregational or school setting. Travel fee.

Educ 301 Principles of Secondary Education (2)

The purpose of this course is to review and further develop instructional planning, models of teaching and classroom management in today's Lutheran and public secondary schools. Segments include skill development as teachers, leaders and learners affecting successful middle and secondary school teachers. Segments also include assessment strategies, multicultural education, mainstreaming, master teachers' reflections, interview procedures, and the Christian teacher's mission. Student Teaching I runs concurrently with this course. Class presentations and observations are required.

Educ 314 Assessment, Evaluation, and IEP (3)

This course will provide pre-service teachers with the knowledge of how to select, administer, score and interpret a standardized/norm referenced assessment for exceptional learners. The development of an IEP and the Administration of both formal and informal assessment tools will be covered. Using data gained in order to improve student achievement will be discussed. Prerequisites: Psy 324.

Educ 315 Behavior Disorders and Intervention (3)

This course offers an overview of the behavioral and emotional disorders commonly found in special and general education classrooms. Principles of effective inclusive instruction, applied behavioral analysis, behavior management, functional assessment and intervention are taught. Prerequisites: Psy 324.

Educ 316 Teaching Students with Moderate Disabilities (3)

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)

This course offers an overview of the curriculum and methods that have proven to be effective when teaching students with learning disabilities. Issues related to the academic and social characteristics of these students, as well as assessment procedures, related services and placement options will be discussed. Prerequisites: Psy 324.

Educ 329 DCE Ministries II: The Emerging DCE (2)

This course will address such topics as wellness for the DCE, the Call, conflict resolution and identifying and responding to emerging issues impacting congregational ministry. This course will be offered in a hybrid delivery of one mandatory weekend retreat and on-line work. Activities fee.

Educ 330 Early Childhood Education Foundations and Programs (3)

An introduction to early childhood education, this course provides knowledge of the history, philosophy, and trends in this field. A variety of current models and programs will be explored, with class visits to several programs. Sem. II only.

Educ 331 Infants and Toddlers: Development, Curriculum and Teaching (3)

A study of appropriate infant and toddler programs (birth to age three), including an overview of development, quality routines, appropriate environments, materials and activities, and teaching/guidance techniques. This methods course will be required for all Early Childhood endorsement candidates. Sem. I only.

Educ 332 Early Childhood Education Curriculum and Methodology (3)

Students will learn developmentally appropriate content and various methods for guiding the growth of children in Christian environments which meet the unique needs of children ages three through five. 30 hours of field experience is required. Sem. I only.

Educ 333 Primary Education and Literacy Development (3)

Designed to prepare the teacher of children ages six through eight for teaching the basic skills, organizing the primary curriculum, and selecting appropriate techniques and materials. Emphasis will be given to the development of literacy in young children. 10 hours of field experience is required. Sem. II only.

Educ 335 CEL Field Experiences II (1)

An examination of the educational ministries of the local congregation. The student will complete an 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.

Educ 346 Instructional Technology (3)

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 358 Religious Education and Innovative Technology (2)

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 361 Literacy Instruction, Assessment and Intervention (6)

See Educ 461.

Educ 362 Teaching the Christian Faith (2)

The course will enable participants to plan, develop, implement and evaluate religious instruction in Lutheran elementary schools and part-time agencies, such as mid-week school. Particular attention is given to the goals of church education, planning skills, methods, resource utilization, and curriculum concerns of teaching the Christian faith. Prerequisites: junior standing or special permission.

Educ 363 The Teacher Laboratory—Elementary Methods (6)

The Teacher Laboratory emphasizes the preparation for the teaching of mathematics, science, social studies and music. The student is involved with others in the process of continual development of attitudes, knowledge and skills needed by classroom teachers as they plan, present and evaluate their lessons and class management. Development of attitudes conducive to projection of a professional image is also an important part of the laboratory experiences. The course consists of in-class sessions, field contact with local schools and some self-paced learning. It is designed to assist prospective teachers in making the transfer to the role of a full teaching professional. The course is part of the professional semester and requires a 40 hour per week commitment.

Educ 364 The Teacher Laboratory—Middle Level Methods (3)

This course emphasizes the preparation for the teaching of mathematics, science, and social studies in the middle level classroom. The student is involved with others in the process of continual development of attitudes, knowledge and skills needed by classroom teachers as they plan, present and evaluate their lessons and class management. Sem I only.

Educ 367 Methods in Secondary Modern Languages* (2)

Exploration of teaching methodologies and curricular materials. Course organization, selection of content, methods of evaluation, and close examination of a variety of teaching models involving conversation, reading, and writing of a modern language. II Sem. only.

Educ 368 Methods in Computer Science* (2)

Methods, materials, and philosophy to equip the student to teach computer science at any level, to support the use of the computer in the whole school, and to manage the school computer lab. Learning and using LOGO is a major component of this course.

Educ 369 Methods in Secondary Business Education* (2)

Instruction and practice in determining what to teach in the basic business courses in secondary schools and how to teach that content, including resources for effective teaching. II Sem. only.

Educ 370 Content Area Literacy (3)

See Educ 470.

Educ 371 Methods in Secondary English* (2)

Examines current research, theory, and practice in the teaching of secondary English/Language Arts. Presents topics related to philosophy, content, methodology, course organization, evaluation, and assessment. Special attention to problems of the profession and concerns of the future English teacher. Connects instructional theory and practice with student teaching I practicum.

Educ 372 Methods in Secondary Social Studies* (2)

Purposes of the secondary social studies program. A rationale for social studies in the Lutheran high school. Recent developments in social studies curricula—organizations, methods, materials.

Educ 373 Methods in Secondary Science* (2)

Methods, philosophy, and materials for effective science teaching in the Christian context. Principles of teaching and evaluation, course organization, the structure of science content, inquiry methods, laboratory problems, and the curricular "teaching packages."

Educ 374 Methods in Secondary Mathematics* (2)

Methods, philosophy, and materials for effective mathematics teaching in the Christian context. Principles of teaching and evaluating, course organization, the structure of mathematics, heuristic methods, and the newer modern programs.

Educ 375 Methods in Secondary Music* (2)

Teaching music in the high school. A synthesis of theoretical and practical aspects of the music program and its application to present day secondary school teaching. I Sem. only.

Educ 377 Secondary Methods in Art Education* (2)

Philosophical and practical direction in methods and techniques used in teaching art on the high school level. Prerequisites: Art 103, 203 and 301. II Sem. only.

Educ 378 Methods in Secondary Speech/Drama* (2)

Theory, methods, and materials for effective teaching of Speech/Drama in the secondary school. A rationale for Speech/Drama in a Lutheran high school and the state of the field education. Principles of teaching and evaluation leading from a study of the current research in communication education and theatre will be included to enable the secondary Speech/Drama teacher to develop and implement an effective Speech/Drama curriculum. II Sem. only.

Educ 379 Methods in Secondary Religion* (2)

Exploration of teaching methodologies and curricular materials. Course organization, selection of content, methods of evaluation, the critical examination of current models of Bible study, and the role of the religion curriculum in the Lutheran high school are stressed. I Sem. only.

**Secondary methods are taught the first eight weeks of the semester and generally must be completed simultaneously with Student Teaching I.*

Educ 380 Student Teaching in Pre-Kindergarten (10)

Students are assigned to teach at the pre-kindergarten level under the supervision of a classroom teacher and a university supervisor. Prerequisites: Full admission to teacher education and approval of the Director of Elementary Student Teaching. P/NR.

Educ 381a/b Student Teaching I/II in the Kindergarten (4-6)

Student teachers are assigned to specific supervisors in the level selected. Experiences on various levels are provided to the students. Students are required to take Educ 381a first. P/NR.

Educ 382a/b Student Teaching I/II in the Primary Grades (4-6)

See description for Educ 381a/b. P/NR.

Educ 383a/b Student Teaching I/II in the Intermediate Grades (4-6)

See description for Educ 381a/b. P/NR.

Educ 384a/b Student Teaching I/II in the Upper Grades (4-6)

See description for Educ 381a/b. P/NR.

Educ 385a/b Student Teaching I/II in the Secondary School (4-6)

Students are assigned to teach grades 9–12 under the direction of the supervising teacher(s) in the students' teaching field(s). Students are required to take Educ 385a first. P/NR.

Educ 386a/b Student Teaching I/II in K–12 (Music, Art, HPE) (4-6)

Students are assigned to teach at the elementary and secondary levels, in the area of their teaching field. Students are required to take Educ 386a first. P/NR.

Educ 387 Student Teaching in Special Education (10)

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 388 Youth Ministry Theory and Methods (3)

A course which provides students an opportunity to reflect upon an ongoing youth ministry involvement while developing parish-based youth work competencies and enriching their cognitive understanding of youth culture, varying models of youth ministry, current synodical resources, and the theology that underlies this activity.

Educ 396a/b Student Teaching I/II Middle Level (10)

Students are assigned to teach grades 4–9 under the direction of the supervising teacher(s) and university supervisor, in the students' teaching field(s). P/NR.

Educ 399 ESL Student Teaching (3)

Students are assigned to teach under the supervision of a classroom teacher and a university supervisor in settings that require application of skills and principles developed in the ESL curriculum. P/NR.

Educ 401 Middle Level Instruction (3)

With a focus on the teaching–learning process in various content and skills areas as it pertains to middle level education, technology and resources are considered. Techniques of assessment and evaluation, classroom management, communication with parents and student advising are incorporated. Prerequisite: Educ 311, Senior standing. Sem. I only.

Educ 424 Teaching Diverse Learners (2)

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/Foreign Language Instruction, Curriculum, and Assessment (3)

The purpose of this course is to introduce students to the theory and practice of ELL/foreign language learning and teaching, curriculum selection, evaluation, and development as well as assessment of English and foreign language learners. Specific topics focus on the particulars of a pluralistic society, human relational dispositions needed to teach effectively in a pluralistic society, and the variety of approaches, methods, and techniques for teaching first and second language acquisition. Prerequisites: upper-level standing.

Educ 425B English as a Second Language/Foreign Language Instruction, Curriculum, and Assessment (3)

A continuation of Educ 425A. Specific topics focus on theory, assessments, and teaching strategies for the developing second language learner. Prerequisites: upper-level standing, Educ 425A. A practicum of 18 hours is required.

Educ 430 School, Community and Parent Involvement (2)

This course concentrates on the teacher's role in building successful relationships between families, educators, schools and communities. Strategies for increasing respectful family-school partnerships that enhance children's school success will be emphasized. Sem. I only. Upper-level standing.

Educ 452 Early Childhood Program Organization and Management (3)

Organizing, planning, managing, and evaluating programs for young children. Day care and preprimary programs are the concerns of this course. Field trips to various agencies pertinent to families with young children, and experiences with families will be required. Sem. I only.

Educ 461 Literacy Instruction, Assessment and Intervention (6) (formerly Educ 361)

Emphasizes 1) current theory, research, content, methodology, instructional materials, and classroom organization that relate to teaching the language arts (reading, writing, speaking, listening, viewing, and visually representing); 2) informal and formal assessment that determines reader strengths and needs for purposes of instruction and intervention. A field experience of 30 clock hours in elementary school literacy development is required. Prerequisites: Educ 424, upper-level standing, full admission into teacher education.

Educ 470 Content Area Literacy (3)

Considers the processes of reading in the various subject matter fields by which one recognizes words, copes with specialized vocabulary, comprehends, and uses printed information. Stresses the location of the student's present reading levels, the selection of instructional techniques to fit the learning style of the student, and the choice of materials appropriate for the ability level, reading levels, and interests of the secondary student. Assists the pre-service teacher in learning how to integrate the teaching of reading skills while teaching specific content. Field Experience required. Prerequisites: Educ 424, upper-level standing, full admission into teacher education.

Educ 480 Practicum in DCE Ministries (1.5 + 1.5)

A course designed to expose DCE students to the history, philosophy, current research, and skills/attitudes of DCE ministry in addition to an on-site involvement with a DCE serving a congregation. Prerequisite: Admission to DCE program. (Course completed over two semesters earning 3 credit hours.)

Educ 481 Director of Christian Education Internship (12+12)

Upon admission to the DCE Internship, a student may be assigned to a congregation for 8 weeks to 12 months, depending on previous experience and future plans. This full-time, salaried internship may begin after the junior year, and once Educ 480 has been satisfactorily completed. Course is completed over two semesters earning 24 credit hours. P/NR.

Educ 483 Leadership Development: Enabling Others to Lead and Teach (3)

Pertinent theories, models, and strategies from the fields of management, leadership training, group process and education will be surveyed and evaluated in the light of the Biblical witness and the content of the Lutheran Confessions for possible implementation within local parishes to enable lay persons to become more effective leaders and teachers. Prerequisite: upper-level standing.

Educ 484 Confirmation Planning and Implementation (2)

The purpose, history, and structure of confirmation in the Lutheran Church is reviewed and assessed for the purpose of

structuring and outlining implementation strategies for use in a local congregation. Adult and junior confirmation programs are considered. Prerequisite: upper-level standing.

Educ 485 Parish Education Program Administration (3)

An introduction to and exploration of the theory and processes associated with the administration of parish education programs. Special emphasis is placed on: idea generating, initiating change, leadership, promotion, evaluation, program planning, use of technology, creating ownership, explanation of pertinent systems, budget management, and curriculum review. Prerequisite: upper-level standing.

Educ 488 Conflict Resolution: Coaching (3)

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)

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.

EDUCATIONAL PSYCHOLOGY

EDPS 210 Educational Psychology and General Methods (2)

The essential conditions (factors) which facilitate learning and transfer; theories of learning, general and specific abilities, the importance of self-esteem, best practices in the evaluation of aptitude, achievement and other aspects of human development. 25 hours of field experience is required. Should be taken the same semester as Educ 201.

ENGLISH

Eng 101 Foundations in Writing (3)

This course focuses on helping students develop foundational approaches and processes for writing. Students will learn basic techniques for generating ideas; giving and receiving feedback; adapting rhetorical strategies for audience and context; revising; and editing. Special attention will be given to discussing the origins and application of English language conventions and developing effective revising and editing techniques. This course is required as a prerequisite for Eng 102 for students who score below 18 on the English portion of the ACT or below 435 on the verbal portion of the SAT.

Eng 102 Experiences in Writing (3)

This course focuses on helping students develop effective processes for writing in multiple genres, including research-based academic projects and creative works. Students will learn techniques for generating ideas; giving and receiving feedback; finding, evaluating and integrating sources; adapting rhetorical strategies for audience and context; revising; and editing. Students will also discuss the origins and application of English language conventions. Students will participate in an oral communication lab experience and adapt a research-based paper for formal presentation to the class. Prerequisite: Eng 101 for students who score below 18 on the English portion of the ACT or below 435 on the verbal portion of the SAT.

Eng 201 Introduction to Literature (3)

A general background in the reading, interpretation, evaluation and criticism of literature in various genres.

Eng 221 Intermediate Writing (3)

A course designed to allow students to experiment with three types of writing: fiction, creative nonfiction, and poetry. Includes study and application of research related to peer writing groups and the process of writing. Prerequisite: Eng 102 and sophomore standing or permission of department chair.

Eng 231 Studies in the English Language (3)

Studies in the acquisition, development, variation and science of the English language. Prerequisite: Eng 102.

Eng 300 Placement Seminar (1)

The course includes resume and portfolio creation, attendance at professional placement seminars, mock interviews, meetings

with field professionals and internship applications and searches. Prerequisite: upper level standing or permission of department chair. Also offered as CTA 300 Placement Seminar.

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

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.

Eng 326 Poetry Writing (3)

A course designed to give students the opportunity to write poetry and to read poetry from a writer's perspective. Emphasis on contemporary poetry and poets as well as student writing, discussion of theories and application of the writing process, and the workshop approach. Prerequisite: Eng 102 and upper-level standing or permission of department chair. May not be taken simultaneously with Eng 221. Prerequisite: Eng 221.

Eng 327 Fiction Writing (3)

A course designed to give students experience with the short story. Emphasizes the workshop approach, peer and instructor–student conferences. Students will read contemporary fiction from a writer's perspective, examining the elements of fiction for application in their own writing. Prerequisite: Eng 221.

Eng 328 Creative Nonfiction Writing (3)

A course designed to allow students to explore creative non-fiction, its history, and criticism of the genre. Emphasis on workshop and student writing, reading for application, and peer and student-instructor conferences. Prerequisite: Eng 221.

Eng 329 Scriptwriting (3)

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)

A survey of significant American writers from the colonial period through the 1840s with an emphasis on the interaction of literature, history, and philosophy. Prerequisite: Eng 201.

Eng 342 American Literature II (3)

A survey of significant American writers from the 1840s through 1910 with an emphasis on the interaction of literature, history, and philosophy. Prerequisite: Eng 201.

Eng 343 American Literature III (3)

A survey of significant American writers from 1910 to the present with an emphasis on the interaction of literature and culture. Prerequisite: Eng 201.

Eng 361 London Literary Tour (3)

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)

A survey of British literature from its Anglo–Saxon beginnings through the medieval and early modern eras. Prerequisite: Eng 201.

Eng 363 British Literature II (3)

A survey of British literature from the Restoration and 18th century through the Romantic era. Prerequisite: Eng 201.

Eng 364 British Literature III (3)

A survey of British literature from the Victorians to the present. Prerequisite: Eng 201.

Eng 366 Shakespeare (3)

A study of representative history plays, comedies, tragedies, and at least one problem play. Prerequisite: Eng 201.

Eng 381 World Literature I (3)

A survey of significant literature from the ancient world, including Greek and Roman writers, on through the 1500s. The course identifies major themes addressed, major structural features advanced, and socio-cultural conditions which were contextual to this time frame. Prerequisite: Eng 201.

Eng 382 World Literature II (3)

A survey of significant literature primarily from the early 1600s into the mid 1800s, including the Enlightenment and Renaissance eras. The course identifies major themes addressed by representative writers of the European tradition, as well as additional world cultures. Several Genres explored. Prerequisite: Eng 201.

Eng 383 Modern Poetry (3)

Study of twentieth century poetry. While the emphasis is on American and British poets, some opportunity exists for examination of poetry from other cultures. Techniques and philosophy of twentieth century poetry. Prerequisite: Eng 201.

Eng 384 World Literature III (3)

A survey of significant literature from a variety of world cultures from the late 1800s into the early 21st century. Included are representative writers from the modern and post-modern eras in developed countries and the developing world. Structural experimentation in these literary works is also explored. Prerequisite: Eng 201.

Eng 385 Psychological and Sociological Analysis of Modern Literature (3)

Study of the twentieth century novel. While the emphasis is on American, British, and continental novelists, some opportunity exists for examination of novels from other cultures. Trends and social implications. Literary analysis and critical essays. Prerequisite: Eng 201. Same as Psy 385.

Eng 387 Modern and Postmodern Drama (3)

Study of twentieth century drama. While the emphasis is on American, British, and continental dramatists, some opportunity exists for examination of drama from other cultures. Religious, social, and moral ideas expressed in these plays. Prerequisite: Eng 201.

Eng 391 Children's Literature (3)

A study of literature for children from picture books to elementary-age works. Methods of presenting literature for enjoyment and enlargement of experiences. Prerequisite: Eng 201 and sophomore standing or permission of department chair.

Eng 392 Reading Interests of Adolescents (3)

Reading and discussion of literature appropriate for adolescents. Emphasis on young adult literature. Insights into using literature in the classroom. Prerequisite: Eng 201 and sophomore standing or permission of department chair.

Eng 399 Independent Study

Hours and topics by arrangement. Prerequisite: Eng 201.

Eng 411 History and Literature of Aging (3)

See Gero 411.

Eng 412 Life Review, Autobiography and Creative Non-Fiction (3)

See Gero 412.

Eng 431 English Language and Linguistics (3)

An intensive exploration of the science of language as it is discussed in socio-linguistics, psycholinguistics and historical linguistics. Course includes study of grammar and linguistic philosophy. Prerequisite: Eng 231 and one upper-level English course or permission of department chair.

Eng 491 Issues in Literature for Children and Youth (3)

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

Arranged for qualified seniors.

Eng 499 Internship

Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

ENGLISH, COMMUNICATION, THEATRE ARTS

ECTA 150 Basic Special Topics in English, Communication and Theatre [Topic by Announcement] (1-3)

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre.

Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours.

ECTA 170 American Sign Language (3)

Beginning course in American Sign Language (ASL). This course 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 will be measured. Deaf culture will also be studied.

ECTA 175 Beginning American Sign Language II (3)

This course builds on ASL I and will review and build on the development of vocabulary and grammatical structures of ASL.

This course will give considerable attention to interpretive skills. Receptive and expressive skill development will be measured.

The student will continue to explore the deaf culture in this course. Prereq: ECTA 170 or professor consent.

ECTA 180 Mandarin I (3)

The focus of this course is to train the student to successfully function in Chinese culture using Mandarin as a language. The course will help the student develop communication skills that cross ethnic and cultural boundaries while they develop an understanding of Chinese interpersonal behavior and related thought patterns. At the end of the course, the student will be expected to speak, listen, read, and write at a level of proficiency appropriate for continuing on to the next sequence in the course. The student should also demonstrate a level of cultural understanding suitable for correct performance of assigned tasks in Chinese.

ECTA 250 Intermediate Special Topics in English, Communication and Theatre [Topic by Announcement] (1-3)

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre.

Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours. Prerequisite: Eng 102 and one additional course in CTA or English.

ECTA 350 Special Topics in English, Communication and Theatre [Topic by Announcement] (2-3)

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre.

Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours. Prerequisite: Eng 102 and one additional course in CTA or English.

ECTA 450 Special Topics in English, Communication and Theatre [Topic by Announcement] (2-3)

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre.

Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours. Prerequisite: Eng 102 and one additional course in CTA or English.

ENVIRONMENTAL SCIENCE

ESci 281 Physical Geography and Geology (4)

Lecture 3, Lab. 2. See Geog 281.

ESci 291 Geography of Sports and Outdoor Recreation (3)

See Geog 291.

ESci 315 Environmental Science (3)

See Geog 315.

ESci 320 Natural Resource Management and Conservation in the National Parks (3)

See Geog 320.

ESci 351 Environmental Law and Policy (3)

This course examines the key environmental laws, policies, and regulatory agencies of the United States. These are examined to provide a historical context as well as a contemporary understanding of environmental decision making at the federal, state, and local level.

ESci 361 Introduction to Geographic Information Systems (3)

Lecture 1, Lab 2. See Geog 361.

ESci 36_ Ecology and Natural History Study Tours (3)

See Bio 36_.

ESci 377 Conservation Biology (3)

See Bio 377.

ESci 385 Introduction to GPS (3)

See Geog 385.

ESci 461 Advanced Geographic Information Systems (3)

See Geog 461.

ESci 498 Environmental Science Internship (1-3)

Students gain experience in environmental science by working in an internship position under the supervision of a professional in the field. Prerequisites: minimum junior standing and permission from social science, natural science, or business faculty. Students should contact the Office of Career Services to obtain the undergraduate/practicum packet and review the required process.

FAMILY LIFE (For Degree Completion Program Students Only)

FL 221 Lifespan Development (3)

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)

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)

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)

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)

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)

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)

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)

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)

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)

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)

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)

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 128 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)

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 128 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 SEMINAR

FYS 101 First-Year Seminar (1)

This course is designed to help first-year students make successful transitions to college student life. Students will examine what others have to say about the purpose and culture of contemporary higher education and will explore the opportunities for intellectual, academic, social and spiritual growth they face as a Concordia freshman. Each section will include a service learning project. Through reading, discussion and writing, students will reflect on the ways their own values, beliefs, goals and learning styles may affect their experiences as students and their professional and vocational paths.

GEOGRAPHY

Geog 101 Introduction to Geography (3)

This course provides an introduction to the basic concepts, technology, and methodology used in the study of geography. Using lecture, Global Positioning Systems (GPS), GIS, field work, and multi-media, students learn to think spatially about their surroundings.

Geog 202 World Regional Geography (3)

This course is designed to provide a broad overview of the major regions of the world with emphasis on the increasing

interconnectedness of people and places due to the influence of globalization on world trade, travel, communication, culture, and the natural environment.

Geog 281 Physical Geography and Geology (4)

Lecture 3, Lab. 2. Introduction to the climatic 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)

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)

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)

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)

Course provides students with a practical, field-based experience with contemporary resource management and conservation issues in units of the National Park Service. Topics include historical development of individual parks and the entire NPS, visitor impacts, park planning, resource policy, exotic plant and animal species, wildlife management, in-park transportation concerns, public safety, and wilderness management. Students will visit and camp in selected national parks. Same as ESci 320.

Geog 331 Geography of Europe (3)

This course provides a detailed examination of the historic and contemporary geography of Europe. Special focus is placed upon contemporary issues relating to the formation and governance of the European Union, immigration, world trade, geopolitics, environmentalism, and foreign relations.

Geog 341 Geography of Asia (3)

This course provides a contemporary examination of the geography of Eastern and Southern Asia. Through the use of current events, readings, and multi-media, students examine the rising influence of this region on world trade, commerce, globalization, foreign relations, geopolitics, and the natural environment.

Geog 345 Geography and Archaeology of the Holy Land (3)

Provides an introduction to the archaeology of Syria-Palestine, the interaction between human occupation and geography, and the importance of archaeological research in understanding the Bible through detailed study of primary and secondary sources.

Geog 361 Introduction to Geographic Information Systems (3)

Lec. 1, Lab 2. This course provides an introduction to Geographic Information Systems (GIS) technology through the use of ESRI's ArcGIS software. Students gain a working knowledge of GIS software and how it is used in various disciplines via laboratory exercises, lecture, guest speakers, and a class project. Same as ESci 361.

Geog 371 Economic Geography (3)

Spatial characteristics of people and their economic activities. Both historical-inductive and theoretical-deductive explanations are given for spatial location of primary, secondary and tertiary activities. Recommended: prior economics or geography.

Geog 381 Meteorology and Oceanography (3)

An introduction to the properties and processes of the atmosphere and the world ocean. In addition, emphasis will be placed on the application of recent scientific advances in these related fields and how they affect the world we live in. Same as Sci 381.

Geog 385 Introduction to GPS (3)

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)

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)

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)

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)

See CTA 205.

Gero 400 Issues in Gerontology and Aging Studies (3)

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)

This course is designed to develop and expand knowledge and skill to understand and address contemporary health issues in aging. Prerequisite: Gero/CTA 205.

Gero 402 Social Gerontology (3)

Social gerontology is the study of the nonphysical aspects of human aging and includes the psychological, social psychological and social aspects of aging. Aging is a multi-faceted process that covers multiple academic disciplines. Social gerontology integrates scientific knowledge about social policy and professional practice into the knowledge base created by basic social scientific research. Course includes a review of principles of gerontological research. Prerequisite: Gero/CTA 205.

Gero 403 Mental Health and Aging (3)

This course will provide students with a comprehensive study of mental health issues associated with aging. Prerequisite: Gero/CTA 205.

Gero 404 Faith Development & Later Life (3)

This course introduces students to issues, concerns and research in the spiritual development of individuals as they age. The course supplements sociological, biological and psychological theories of lifespan development and explores issues of aging and ministry. Prerequisite: Gero/CTA 205.

Gero 411 History and Literature of Aging (3)

This course explores historical, social and literary depictions/understandings of aging in Western and non-Western cultures with an eye toward a richer understanding of what it means to age in the world today. Same as Eng 411 and Hist 411.

Gero 412 Life Review, Autobiography and Creative Non-Fiction (3)

This course explores the theoretical concept and value of life review while researching and developing techniques in the writing of autobiography and creative non-fiction. Same as Eng 412.

Gero 413 Aging and Communication (3)

This course examines lifespan communication issues including: intergenerational issues in media and marketing, lifespan language and communication development, intercultural communication and lifespan, caregiver/receiver communication and intergenerational relationship development. Same as CTA 413.

Gero 414 Policy, Programs & Services (3)

This course surveys contemporary policies, programs and services throughout the lifespan including the aging services network.

Gero 415 Retirement & Lifespan Financial Issues (3)

This course explores the impacts of an aging society on financial planning and retirement. Students will study in-depth issues in lifespan financial planning. Same as Bus 415.

Gero 417 Aging and the Brain (3)

This course explores the biological development of the human brain throughout the lifespan and examines the biological changes underlying common age-related neuropathies. Same as Bio 417.

Gero 418 Nutrition & the Older Adult (3)

This course examines in depth, the importance of nutrition across the lifespan with specific attention to the particular nutritional needs of older adults.

Gero 419 Death, Dying and Trauma (3)

This course examines the processes, theories and responses to individual and collective trauma, the processes and tasks of dying and the issues of death and bereavement.

Gero 420 Long-Term Care Nursing Administration (3)

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)

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)

This course is an overview of issues and options in planning programs and activities for intergenerational groups.

Gero 423 Geriatric Counseling (3)

This course is an introduction to the treatment modalities and approaches to counseling older adults.

Gero 425 Complementary Therapies (3)

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 426 Parish Nursing (3)

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.

Gero 427 Theories and Applications in Nursing Informatics (3)

Theory and application of health information technology. Includes training in the use of health care technology and an introduction to trends and future trends in health informatics.

Gero 430 Issues of Aging and Longevity for Health Professionals (3)

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.

Gero 488 Conflict Resolution: Coaching (3)

See Educ 488.

Gero 489 Conflict Resolution: Mediation II (3)

See Educ 489.

Gero 498 Special Topics in Aging (3)

This course examines special issues in aging and gerontology. Topics are specific to the needs of students in the topic area and expertise of the instructor.

Gero 499 Practicum (3)

The practicum requires students to conduct programmatic research and implement an aging services project in their area of professional interest. Students must interview with and gain permission from the program director before enrolling.

GLOBAL MULTICULTURAL

GMC 380 Special Topics in Culture and Ministry in Latvia (2)

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)

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.

GREEK

Grk 101 Greek I (4)

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)

A continuation of Grk 101. Selected passages for reading. Five hours per week. Prerequisite: Grk 101 or equivalent.

Grk 301 Greek III (3)

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)

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)

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)

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)

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)

A course designed to provide an understanding of the values of wellness in our contemporary society and to aid the student in developing a personalized wellness program for optimal health. Course fee.

TEAM ACTIVITY COURSES

HHP 111 Flag Football (.5)

Half semester.

HHP 112 Lacrosse (.5)

Half semester.

HHP 116 Basketball (.5)

Half semester.

HHP 117 Soccer (.5)

Half semester.

HHP 118 Softball (.5)

Half semester.

HHP 132 Volleyball (.5)

Half semester.

LEISURE/ADVENTURE ACTIVITY COURSES

HHP 142 Orienteering (.5)

Half semester. Development of map and compass skills.

HHP 144 Recreational Sports (.5)

Half semester. Includes horseshoes, bocce ball, eclipse ball and other activities.

HHP 146 Adventure and Cooperative Activities (.5)

Half semester. Challenge and trust-building activities including low ropes elements.

HHP 147 Alpine Skiing **(.5)

A spring break course. An extra fee will be assessed.

HHP 148 Beginning Climbing (.5)

Half semester. A course in beginning wall climbing. An equipment use fee will be assessed.

HHP 149 Wilderness Adventure Activities **(.5)

A summer school course. Activities may include mountain climbing, backpacking, hiking, mountain biking, rafting, canoeing.
An extra fee will be assessed.

INDIVIDUAL/DUAL ACTIVITY COURSES

HHP 135 Track and Field (.5)

Half semester.

HHP 140 Long Distance Cycling (1)

Contact HHP Department Chair for information and permission.

HHP 152 Badminton (.5)

Half semester.

HHP 154 Golf** (.5)

Half semester.

HHP 156 Tennis (.5)

Half semester.

HHP 157 Bowling** (.5)

Half semester. Course fee.

HHP 158 Racquetball ** (.5)

Half semester. Course fee.

DANCE ACTIVITY COURSES

HHP 153 Folk Dance (.5)

Half semester.

HHP 155 Square and Line Dance (.5)

Half semester

FITNESS ACTIVITY COURSES

HHP 161 Aerobic Walking/Jogging (.5)
Half semester

HHP 162 Aquatic Fitness (.5)
Half semester

HHP 164 Cross Training (.5)
Half semester

HHP 166 Weight Training (.5)
Half semester.

HHP 168 Aerobics (.5)
Half semester. May include step, kickboxing, and the different components to a group of aerobic workout. A considerable amount of physical exertion is involved so the course is for students with no apparent health risks.

AQUATICS ACTIVITY COURSES

HHP 171 Swimming – Level I (.5)
Half semester.

HHP 172 Swimming – Level II (.5)
Half semester. Prerequisite: HHP 171.

HHP 173 Swimming – Level III (.5)
Half semester. Prerequisite: HHP 172.

HHP 174 Swimming – Level IV (.5)
Half semester. Prerequisite: HHP 173.

HHP 175 Swimming – Level V (.5)
Half semester. Prerequisite: HHP 174.

HHP 176 Swimming – Level VI (.5)
Half semester. Prerequisite: HHP 175.

HHP 177 Swimming – Level VII (.5)
Half semester. Prerequisite: HHP 176.

**A special fee will be assessed.

THEORY COURSES

HHP 181 Elements of Health (3)
Designed to expose prospective health education and promotion professionals to the basic content areas of comprehensive health education, as well as the fundamental concepts, models, theories, and strategies pertaining to health education and promotion. Prerequisite: HHP 100.

HHP 182 First Aid and CPR (2)
Safety, prevention of injuries, and first aid and CPR procedures as outlined by the American Red Cross. Course fee.

HHP 228 Programs in Individual, Dual, and Team Sports (3)
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 status or higher.

HHP 238 Programs in Rhythms and Dance (1)
Performance and analysis of fundamental movements and skills in rhythmic activities and dance (folk, square, line, and social). The role of rhythms and dance programs for various developmental levels. Prerequisite: Sophomore status or higher.

HHP 248 Programs in Leisure and Adventure Activities (1)
Performance and analysis of fundamental movements and skills in leisure and adventure activities. The role of leisure and adventure programs for various developmental levels. Prerequisite: Sophomore status or higher.

HHP 261 Care and Prevention of Athletic Injuries (2)

Intended to equip the student with sufficient knowledge and skill in the prevention, treatment and rehabilitation of injuries common to athletic activities. Course fee.

HHP 270 Human Performance Laboratory Techniques (2)

This course introduces students to the function and use of a variety of human performance equipment. Topics will center on the application of the equipment in health and human performance.

HHP 273 Motor Learning and Development (3)

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)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address the issues of drug/substance use, misuse and abuse. Prerequisite: HHP 100.

HHP 283 Health Topics: Consumer Health (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address consumer health issues. In addition, it will better enable consumers to make informed decisions regarding the selection and use of health products and services. Prerequisite: HHP 100 or concurrent enrollment.

HHP 284 Health Topics: Stress Management (1)

A course in the health topics series designed to develop and expand knowledge and skill in comprehensive stress management. Strategies and techniques for the individual and the health educator will be presented.

HHP 285 Health Topics: Nutrition (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address the issues of nutrition, dietary patterns and weight management. Prerequisite: HHP 100.

HHP 286 Health Topics: Men's Health (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary issues in men's health. Prerequisite: HHP 100 or concurrent enrollment.

HHP 287 Health Topics: Women's Health (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary issues in women's health. Prerequisite: HHP 100 or concurrent enrollment. Additional conference fee required.

HHP 288 Health Topics: Health and Aging (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary health issues in aging. Prerequisite: HHP 100 or concurrent enrollment.

HHP 289 Health Topics: Violence and Injury Prevention (1)

A course in the health topics series designed to develop and expand knowledge and skill to understand and address contemporary issues concerning violence and injury prevention. Prerequisite: HHP 100 or concurrent enrollment.

HHP 290 Health Psychology (3)

Health Psychology is the study of how biology, behavior, and social context influence health and illness. The course will examine the contributions of psychological research to the understanding, prevention, and treatment of a variety of health concerns. The biopsychosocial-spiritual model will be emphasized, which entails the study of how social, emotional, behavioral, biological, and spiritual factors influence health. The specific topics may include injury, stress, pain management, addictions, patient-physician/practitioner relations, and chronic illnesses such as Alzheimer's, diabetes, and AIDS. Prerequisite: Psy 101. Same as Psy 290.

HHP 291 Foundations of Human Performance (2)

An introduction to the scope of human performance professions. Emphasis on the formation of a sound philosophy for a professional in the field. 15 hours of field experience required. Prerequisite: HHP 100.

HHP 298 Theory of Coaching (2)

This course provides an overview of coaching sports. It is designed for the student to develop a coaching philosophy and understand coaching techniques, the importance of communication in various interactions, psychology of sports and athletic competition, logistical planning, physical development of athletes, and motivation in sports.

HHP 312 Exercise Prescription (3)

This course is designed to assist students in the identification, analysis, and implementation of exercise protocols that are appropriate for the specific needs of a variety of individuals. The special needs of those exercising in varying environments will also be covered. Prerequisite: HHP/Bio 385, Bio 343 or 344.

HHP 321 Coaching of Football (2)

Designed to prepare the student for coaching by studying principles which control or influence the game of football. Prerequisite: HHP 111 or instructor's approval.

HHP 322 Coaching of Men's and Women's Basketball (2)

A study of basketball with special emphasis on the skills necessary for coaching. Prerequisite: HHP 116 or instructor's approval.

HHP 323 Coaching of Softball/Baseball (2)

Designed to prepare the student for coaching softball/baseball through classroom theory and laboratory experience. Prerequisite: HHP 118 or instructor's approval.

HHP 324 Coaching of Wrestling (2)

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.

HHP 325 Coaching of Men's and Women's Track (2)

A thorough study of track and field events, their rules, order, and the latest trends in training and coaching techniques. Prerequisite: HHP 135 or instructor's approval.

HHP 326 Coaching of Soccer (2)

Designed to prepare the student for coaching soccer through classroom theory and laboratory experience. Prerequisite: HHP 117 or instructor's approval.

HHP 327 Coaching of Volleyball (2)

Designed to prepare the student for coaching volleyball through classroom theory techniques and laboratory experience. Prerequisite: HHP 132 or instructor's approval.

HHP 362 Internship in Coaching (2-3)

An experience designed to provide opportunities to observe and work with a professional in a student's selected sport. The internship must be done in a sport other than the one chosen in HHP 322-327. Prerequisite: HHP 463 and upper-level standing. Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

HHP 363 Health Methods in Elementary Education (1)

Designed for elementary candidates who are not completing a health education concentration or minor. Emphasis is on both the theory and practical demonstration of how to develop a health curriculum and how to teach the curriculum to elementary and middle level students. Prerequisite: HHP 100 and upper-level standing.

HHP 364 Physical Education Methods in Elementary Education (1)

Designed for elementary candidates who are not completing a physical education concentration or minor. Emphasis is on both the theory and practical demonstration of how to develop a physical education curriculum and how to teach the curriculum to elementary and middle level students. A field experience of 10 clock hours is required. Prerequisite: HHP 100 and upper-level standing.

HHP 365 Physical Education in Elementary and Middle Level Education (3)

A study of methods, materials, curriculum development and evaluation of physical education programs in elementary and middle level education. Prerequisite: HHP 100, 291, and upper-level standing. 15 hours of field experience required.

HHP 366 Health Methods and Curriculum Design (3)

A study of methods, materials, curriculum development, and evaluation of health education programs in the school. Prerequisite: HHP 181 and upper-level standing.

HHP 376 Secondary PE Methods and Curriculum Design (3)

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.

HHP 379 Senior Seminar in K-12 HPE (1)

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)

See Bio 385.

HHP 389 Senior Seminar in Health (1)

A capstone course that allows students to integrate knowledge, experience and research in the exploration of professional issues and trends in health education and promotion. Prerequisite: senior standing.

HHP 391 Internship in Sport Ministry (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP 392 Internship in Fitness Studies (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP 393 Internship in Senior Adult Fitness (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP 394 Sport Communication Internship (3)

An experience designed to provide opportunities to observe and work with professionals in the student's selected field. Prerequisites: upper-level standing with completion of at least 60 hours of course work with a minimum of 15 hours in the major and approval of the instructor and the HHP department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review required process.

HHP 395 Biomechanics (3)

A study of human movement. Attention is given to the anatomy of muscles, bones, joints. Application of mechanical principles to the movement of the human organism. Prerequisite: upper-level standing; Bio 243 or 343, Phys 109.

HHP 396 Internship in Sport Management (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP 397 Internship in Exercise Science (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP 398 Internship in Community Health (3)

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: Upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

HHP 399 Senior Seminar in Human Performance (1)

A capstone class that allows students to integrate knowledge, experience and research in the exploration of professional issues and trends in human performance. Prerequisite: senior standing.

HHP 410 Essentials of Strength Training and Conditioning (3)

This course is designed to give an overview of the practice of strength and conditioning coaches and personal trainers. The course will cover scientific and practical foundations of strength and conditioning, with an emphasis on program design using a variety of methods for various populations and exercise techniques. Other emphases will be student-driven. "Hands on" experience will be incorporated into lecture and lab. This course is designed to prepare students for the nationally recognized strength and conditioning and fitness certification examinations. Prerequisite: HHP 166, HHP 385, and senior standing.

HHP 462 Sport Ethics (3)

This course is designed to create awareness of important ethical issues in sport and to provide students with skills and

information to competently respond to them as they might occur in a professional environment. Real-life issues from a variety of perspectives (player, coach, administrator, parent, etc.) will be explored. Prerequisite: HHP 291 and upper-level standing.

HHP 463 Psychology of Coaching (3)

A study of the psychological aspects of improving athletic performance of individuals and groups. The interrelatedness of sport and society also will be investigated. Prerequisite: Psy 101, and upper-level standing.

HHP 464 Social Issues in Sport (3)

This course aims to provide an overview of the field of sport sociology. It will focus on the relationships between sport and various institutions including education, family, politics, religion and the economy. Prerequisite: Upper-level standing.

HHP 465 Human Diseases (3)

Discussion of disease process and ill–health. Emphasis on epidemiology, prevention, treatment, and the understanding of the etiology of communicable and non–communicable diseases. Prerequisite: Bio 243 or 343 or 344, and upper-level standing. Same as Bio 465.

HHP 471 Adapted Physical Activity (3)

The course focuses on the theories, principles, and practices of working with students with special needs in physical education programs. Prerequisite: Upper-level standing or instructor permission. 10 hours of field experience required.

HHP 480 Health and Human Sexuality (3)

The study of human sexuality from a holistic health perspective. Emphasis will be placed on the biological, emotional, sociological, and behavioral factors concerning human sexuality. Prerequisites: HHP 181 and upper-level standing.

HHP 481 School Health Program (3)

A survey of the coordinated school health program including policies, procedures, and activities related to the eight components of coordinated school health. Prerequisite: HHP 181 and upper-level standing.

HHP 482 Applied Epidemiology and Health Data Analysis (3)

The study and application of epidemiology and health data analysis in the public health setting. Data analysis and biostatistics skills, tools, and techniques are employed. Prerequisites: HHP 181 and upper-level standing.

HHP 484 Community Health (3)

A survey of community health education and promotion including an examination of the nature, extent and contributing factors of major community health issues and problems. The purpose, function, organization and administration of health services at the local, state and federal levels also will be examined. Prerequisites: HHP 181 and upper-level standing.

HHP 486 Critical Issues in Health (2)

Social, medical, and/or legal aspects of current critical issues in health. Prerequisite: HHP 181 and upper-level standing.

HHP 488 Health Promotion Programming (3)

This course is designed to provide an overview of the skills and knowledge necessary to provide leadership in the designing, implementation and evaluation of public, community and worksite health promotion programs. Prerequisites: HHP 181 and upper-level standing.

HHP 489 Global Health (2); 1 additional hour optional for study abroad experience

This course provides an introduction to important global health issues, including health determinants and key areas of disease burden currently affecting the developing world and the role that new health technologies can play in solving these problems.

HHP 491 Management of Physical Education and Sports (3)

Acquaint students with the responsibilities and knowledge required in administering physical education and sports programs. Prerequisite: upper-level standing.

HHP 492 Recreational and Intramural Programming (3)

The theories, principles, and practices in structuring recreational and intramural programs for schools, churches, and various age groups. Administrative and leadership roles will be emphasized. Prerequisite: upper-level standing.

HHP 494 Measurement and Evaluation in Human Performance (3)

Study of techniques used in measurement and evaluation by health and physical educators. Included will be test constructions, survey of available materials, and practical experiences in test administrations and computer applications. Prerequisite: college level math class and upper-level standing.

HHP 495 Legal Aspects of Exercise and Sport (3)

Legal concepts and principles related to the administration, teaching and coaching of exercise and sport. Issues regarding

personnel, facilities, equipment, transportation, medical aspects, liability and gender will be examined. Prerequisite: Upper-level standing or consent of instructor.

HEBREW

Heb 101 Biblical Hebrew I (4)

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)

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)

Further study of Biblical Hebrew vocabulary and syntax, coordinated with extensive reading in the narratives of Genesis. Prerequisite: Heb 201.

Heb 405 Syriac (3)

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)

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)

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)

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)

See Grk 430.

HISTORY

Hist 115 American Civilization (3)

Examines the nature of history as a discipline and its role in understanding the human experience. A study of major changes in the American economy, in the role of government, and in the place of the U.S. in world affairs since the Civil War, along with an analysis of social change and the experience of minority groups in American society.

Hist 131 World Civilization I (3)

Assesses the development of the basic political, philosophical, and cultural patterns of the ancient, near eastern, Asian, Greco–Roman, medieval and early modern European societies.

Hist 132 World Civilization II (3)

Special emphasis on major political, philosophical, cultural and economic trends in the modern world (since c. 1700) and the emergence of the world community. (May be taken independently of Hist 131.)

Hist 301 Women in American History (3)

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 304 Modern Middle East History (3)

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 Colonial and Revolutionary American (3)

European background and its relationship to the exploration, settlement, and development of the American colonies, with particular emphasis on English North America; economic, social, political, and cultural aspects of colonial life; the causes, course, and consequences of the American Revolution.

Hist 307 The Early American Nation: 1789–1865 (3)

The forces and institutions which shaped the development of the U.S. from 1789 to 1865: political parties and issues; economic change; religion, thought and reform; race and slavery; women and families in U.S. society, foreign relations, expansionism; the causes and course of the Civil War.

Hist 308 Gilded Age Progressive Area (3)

National reconstruction after the Civil War with emphasis on the place of Black Americans; industrialization and reform; the American position in world affairs through World War I.

Hist 309 Isolation to WW II (3)

Reviews the social and economic conditions of the United States between the world wars and in the post World War II period. Surveys the extent and degree of American involvement in world affairs.

Hist 311 American Foreign Relations (3)

An analysis of U.S. foreign policy from the early national era to the present, with emphasis on the 20th century and Cold War years. Focuses on major theme — the impact of idealism, territorial and commercial expansion, American exceptionalism. Variant interpretations of U.S. diplomacy are studied critically. Same as PS 311.

Hist 313 Religion and Society in the United States (3)

A historical analysis of the interaction between religion and society in the United States from pre-colonial to contemporary times; emphasis on themes such as Puritanism, revivalism, social reform, religious pluralism, civil religion, and on-going theological issues. Attention is given to the development of Lutheranism in the American setting.

Hist 314 History of the American Presidency (3)

The history of the American Presidency as well as the forty-two men who have served in that office. It begins with the origin of the office itself in the US Constitution and examines the changes it has gone through in 200 plus years.

Hist 334 Early and Medieval Christianity (3)

This course surveys the early and medieval history of Christianity and the Church. Attention is given to the development of theological thought, ecclesiastical structures, and the various relationships between the Church and the “world” during this period of time.

Hist 335 The Renaissance and the Reformation (3)

The beginning period of the modern world. The three main divisions: Renaissance, the Reformation, and the Catholic Reformation. Prerequisite: Upper-level standing.

Hist 339 Europe since 1914 (3)

European thought and institutions in the twentieth century. The impact of total war and totalitarianism on contemporary Europe and the world; the development of a mass society; attempts at international organization; and the relative decline of European influence in the world. Prerequisite: Hist 132, or the permission of instructor.

Hist 341 Modern England (3)

A survey from the accession of the Tudors to the present day. Institutional developments and political theory, technological innovation and social change, and the impact of Britain in European, American and world affairs.

Hist 381 Baseball in American History (3)

This course will examine the relationships between our National Pastime and those forces that have significantly affected American society. (Summer Term)

Hist 410 US History Since 1945 (3)

A study of the social, economic, political, legal, cultural, and foreign policy issues before the American people since 1960.

Hist 411 History and Literature of Aging (3)

See Gero 411.

Hist 417 African–American History (3)

Surveys the positions and conditions of Afro–Americans in various aspects of life in the United States. The problems and progress of blacks forced from Africa to present situations are included. Same as Soc 417.

Hist 420 The American Immigrant (3)

This course surveys immigration into North America from colonial times to the present. Special attention is given to analyzing the various groups who came, determining push/pull factors, and realizing how these groups made their way in the new homeland. Focus will also include establishing the foundation for nativism and issues related to immigration restrictions throughout American history. Prerequisites: Hist 115, sophomore or higher standing.

Hist 421 Latin America (3)

Emphasis is placed on major forces and institutions shaping Latin America: Pre-Columbian cultures, Iberian heritage, economic development and dependence, social and political change after independence, relations with the U.S., study of selected nations.

Hist 434 Medieval Crusades (3)

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)

A survey of Russian and Soviet history from early beginnings with special emphasis on political, social, economic, religious and cultural developments of modern Russia and the Soviet Union.

Hist 455 East Asian Civilizations (3)

Survey of traditional and contemporary social, political, and intellectual patterns of China and Japan. Asia and the West, the challenge of modernization, and the overturning of traditional social order in the twentieth century.

Hist 490 Capstone Seminar (3)

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 499 Honors Course (1) or (2)

Arranged for qualified seniors.

LATIN

LAT 101 Latin I (3)

An introduction to the grammar, vocabulary and syntax of Latin. Select sentences will be read.

LAT 102 Latin II (3)

A continuation of Latin I. Select sentences and simple passages of prose will be read. Pre-requisite: LAT 101 or equivalent.

MATHEMATICS

Junior standing or higher is recommended for 300 or 400 level college courses in mathematics.

Math 122 Introduction to Statistics (3)

The fundamentals of elementary statistics, data collection and analysis, probability, distributions, sampling, hypothesis testing, correlation and regression.

Math 132 Intermediate Algebra (3)

An overview of fundamental algebraic concepts. Real and complex numbers, algebraic expressions, equations and inequalities, functions, polynomials, rational expressions, graphing, exponential and logarithmic functions, systems of equations and matrices. Prerequisite: one year of high school algebra.

Math 142 Survey of Contemporary Mathematics (3)

Selected topics which may include graph theory, apportionment, fair division, voting methods, bin packing, cryptography and coding, probability and statistics, game theory, financial mathematics, non-Euclidean geometry, dynamics of growth, tessellations and symmetry. Open to students with fewer than three years of high school mathematics or those with departmental permission.

Math 151 Pre-Calculus Mathematics (3)

A study of elementary functions, their graphs and application, including polynomials, rational algebraic functions, exponential, logarithmic and trigonometric functions.

Math 175 Finite Mathematics (3)

Introduction to finite mathematics through the study of logic, sets, probability, statistics, game theory, vectors, matrices, and linear programming. Many applications.

Math 182 Calculus with Applications (3)

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)

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)

A continuation of Calculus I. Topics studied include integration, analytical geometry and vectors in two-dimensional space, and techniques of integration. Prerequisite: Math 184 or instructor's permission.

Math 201 Concepts of Mathematics I (3)

An activities approach to problem solving, systems of numeration, properties of whole numbers, integers, fractions, real numbers, and numerical operations, number theory and statistics. Only available to Early Childhood and Elementary Education students. Prerequisite: Sophomore level or higher.

Math 219 Introduction to Symbolic Logic (3)

An introduction to mathematical logic including history and development, sentential and predicate logic (including equivalence, implication, deduction, completeness, compactness, and soundness) cardinality, computability, and incompleteness. Same as Phil 319.

Math 252 Mathematical Structures (3)

A transition course which introduces students to logic, set theory, and the axiomatic method. This course is designed for students continuing to higher level mathematics courses. Prerequisite: Sophomore level or higher, or instructor's permission.

Math 284 Calculus III (4)

A continuation of Calculus II. A study of analytic geometry in three dimensional space, partial differentiation, multiple integration and infinite series. Prerequisite: Math 186.

Math 301 Concepts of Mathematics II (3)

An activities approach to studying mathematics concepts in probability, functions and algebra, and numerous topics in geometry. Geometrical topics include two and three-dimensional geometry, constructions, congruences, motion and coordinate geometry symmetries and concepts of measurement. Prerequisite: Math 201 or one semester of calculus.

Math 305 Mathematics for Elementary/Middle Level Teachers (3)

An activity approach to teaching and learning mathematics concepts in geometry, probability, statistics, logic, and calculators. Special attention is devoted to various grade levels on which various topics are presented and how they can be presented. Prerequisite: three hours of college level mathematics and junior level standing, or permission of the arts and sciences division or education division.

Math 315 History of Mathematics (1)

The development of mathematics 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)

Math topics of interest, readings and problems in mathematics. Prerequisite: 15 hours of college mathematics or permission of instructor.

Math 321 Numerical Analysis (3)

An introduction to the basic algorithms of numerical analysis. Topics include floating point arithmetic, interpolation and approximation, numerical integration, systems of linear equations, solution of non-linear equations, and solution of ordinary differential equations. Assignments using Mathematica will give experience in applying selected algorithms. Prerequisite: CS 131 and 141, and Math 384 are strongly recommended. Same as CS 321.

Math 322 Foundations of Statistics (3)

A study of mathematical statistics including probability distributions sampling theory, point estimation, methods of correlation and regression, and the principles of statistical inference. Prerequisite: Math 284 or concurrent registration.

Math 323 Foundations of Statistics II (3)

A study of mathematical statistics including sampling theory, point estimation, game and decision theory, hypothesis testing, experimental design, methods of correlation and regression, ANOVA, and non-parametric tests. Prerequisite: Math 322.

Math 332 Abstract Algebra I (3)

An introduction to algebraic structures with an emphasis on groups, subgroups, and group isomorphisms. A brief introduction to rings, domains and fields. Prerequisite: Math 252 and upper-level standing.

Math 333 Linear Algebra (3)

Linear algebraic structures, their theory and application. Matrices, determinants, linear transformations, programming, vectors and vector spaces, dependence, inner products, row operations and echelon systems. Prerequisite: Math 284; Math 252 is recommended.

Math 335 Number Theory (3)

Mathematical induction, greatest common divisor, fundamental theorem of arithmetic, prime and composite integers, and congruences. Prerequisite: Math 252 and three semesters of college mathematics.

Math 342 Abstract Algebra II (3)

A continuation of Math 332 with an emphasis on polynomials over integral domains and polynomials over field. Prerequisite: Math 332 or equivalent.

Math 348 Discrete Mathematics (3)

See CS 348.

Math 365 Foundations of Geometry (3)

An introduction to the general study of geometries including projective, finite, and non-Euclidean geometries. Prerequisites: high school geometry, three semesters of college mathematics and Math 252.

Math 382 Real Analysis I (3)

Properties of the real number system, sequences, limits, continuity, the derivative, Riemann integral, the Fundamental Theorem of Calculus and series. Prerequisites: Math 252 and 284.

Math 383 Real Analysis II (3)

Selected topics from limits, continuity, properties of the derivative, the Riemann, integral and the fundamental theorem of the Calculus. A natural continuation of Real Analysis I. Prerequisite: Math 382.

Math 384 Differential Equations (3)

A study of ordinary differential equations, first and higher order, systems linear and non-linear, their solutions and applications, including La Place Transforms. Prerequisite: Math 284.

Math 402 Practical Math Labs and Activities for Elementary Teachers (3)

This course is designed to give the elementary teacher practice in analyzing math materials for math activities and in writing and building these activities for the classroom. Emphasis will be on topics in geometry as: relationships in the triangle, on parallel lines, and in the circle; other elementary math topics will be investigated. Prerequisite: consent of instructor.

Math 475 Mathematical Modeling (3)

This course is an introduction to mathematical modeling of deterministic and stochastic dynamical systems. Differential equations, matrices, elementary probability and statistics will be applied to the development and analysis of continuous and discrete models that arise in the physical, biological, social and management sciences. Prerequisites: Math 322, 333, and 384.

MUSIC

Mu 101 Elements of Music in the Digital Age (3)

Basic concepts of rhythm, melody, harmony and musical design are developed through listening, singing, playing, and creative activities. Discussion of various kinds of music from Bach to rock.

Mu 102 Aural Skills I (2)

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)

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)

A continuation of Mu 102. Topics include harmonic hearing, other scales, simple song forms. More advanced involvement in sightsinging, melodic dictation and creativity. Students whose program requires this course normally take it concurrently with Mu 105. Prerequisite: a grade of C or higher in Mu 102. A grade of C or higher in this course is required in order to register for Mu 202.

Mu 105 Music Theory II (3)

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)

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)

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)

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)

A continuation of Mu 104. Topics include local chromaticism, melodic and harmonic modulations to closely related keys, and identification of these elements aurally within the context of larger excerpts. Methods include sightsinging, melodic dictation, harmonic dictation, error detection and analytical listening. Meets two hours per week, with individual audits with the instructor every two weeks. 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)

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. (Previously listed as Mu 206.)

Mu 204 Aural Skills IV (2)

A continuation of Mu 202. Topics those from prior semesters, plus modal and atonal melodies. Methods include sightsinging, melodic dictation, harmonic dictation, error detection and analytical listening. Meets two hours per week, with individual audits with the instructor every two weeks. Prerequisite: a grade of C or higher in Mu 104.

Mu 205 Music Theory IV (3)

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. (Previously listed as Mu 207.)

Mu 211 Music History to 1750 (3)

A survey of music literature and history from ancient times to about 1750. Prerequisite: Mu 105.

Mu 212 Music History since 1750 (3)

A survey of music literature and history from about 1750 to the present day. Prerequisite: Mu 105.

Mu 213 World Music (3)

A study of the unique musical styles and traditions associated with diverse world cultures, including Latin America, the Middle East, Asia and Africa. Emphasis will be placed on the study of music in its cultural, social and historical contexts.

Mu 214 Jazz: An American Experience (3)

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 272 Keyboard Skills (2)

This course provides class instruction in functional keyboard skills such as sight reading, playing hymns, and realizing lead sheet notation. Terminology and assignments are geared to music majors or other students with prior theory knowledge. Assignments will help prepare music majors for the keyboard proficiency exam. Prereq.: MuAp 171 or permission of instructor.

Mu 303 Arranging (2)

Problems of scoring for instruments, such as range, tone qualities, balance, and blend. Particular emphasis on arranging music suitable for school ensembles. Prerequisite: Mu 105.

Mu 320 Seminar in Music (3)

An in-depth study of a topic selected by the instructor. May be repeated for credit when the topic differs. Prerequisite: Mu 211 or 212 (whichever is relevant), or permission of instructor.

Mu 331 Basic Conducting (2)

Techniques of conducting and rehearsal procedures are emphasized through a study of literature suitable for school or church.

Mu 332 Instrumental Conducting (2)

The study of specific conducting techniques required for instrumental ensembles. Prerequisite: Mu 331.

Mu 333 Choral Conducting (2)

The study of specific conducting techniques required for leading choral rehearsals and performances. Prerequisite: Mu 331.

Mu 334 Choral Literature and Development (2)

An examination of selected sacred and secular choral music from the Renaissance to the present. Emphasis is placed on choral literature suitable for performance and programs at the elementary and secondary levels and/or choral music for the liturgical service and church year.

Mu 354 Diction (2)

The goal of this course is to incorporate the fundamental working knowledge of the International Phonetic Alphabet as it is used in vocal diction and pedagogy. Languages covered include English, Italian, German and French.

Mu 355 Sacred Vocal Literature (1)

A study of selections from the literature for solo voice from pre-Bach to the present.

Mu 399 Independent Study (1-3)

Hours and topics by arrangement with instructor. Used to pursue special interests in music.

Mu 493 Senior Project (1-2)

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. The first digit of each course number represents the level of instruction: "1" for beginning, "2" for advanced beginning, "3" for intermediate, and "4" for advanced. Students with no prior experience on an instrument or voice should register for the 100-level of the appropriate course. Others register for the level determined by their current instructor. Students with prior experience, but not at Concordia, should register for the 200-level; instructors will move them to a higher level after the semester begins if it seems appropriate.

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
 MuAp x73 Harpsichord
 MuAp x81 Organ
 MuAp 291, 391, 491 Composition (prereq.: Mu 105)

The following Applied Music courses are also offered:

MuAp 172 Piano Accompanying
 MuAp 182 Service Playing
 MuAp 383 Organ Improvisation
 MuAp 384 Organ Accompanying

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 Beginning 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)

An introduction to songwriting techniques used for composing songs in jazz influenced styles for contemporary worship.

ChMu 213 Literature of the Organ (1)

A study of the music of the organ from the Renaissance to the present and its relationship to general music history. Special consideration of music used in the Lutheran service.

ChMu 275 Hymn Adaptations (2)

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)

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)

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)

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 (2)

A history of Christian liturgy, 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 Church Music Administration (3)

The administration of a comprehensive parish music program, with consideration of professional and ethical issues for church musicians. For students in the church music program. 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)

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 3 hours per week. No audition is required.

Mu 233 Women's Chorale (1)

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 3 hours per week. No audition is required.

Mu 236 University A Cappella Choir (1)

The University A Cappella Choir is the concert choir of the university and the premier choral ensemble. Repertoire for the 65-voice select mixed choir is chosen from the entire spectrum of choral music, including new works by local and regional composers as well as music from a variety of cultures. The choir maintains a rigorous rehearsal and travel schedule, touring nationally and internationally. Rehearses 5 hours per week. Membership is by audition.

Mu 237 University Chamber Choir (1)

The University Chamber Choir is a 16-voice select choir that sings a diverse repertoire of chamber choral music. The group travels regionally and nationally. Members are chosen from the University A Cappella Choir. Rehearses as needed.

Mu 241 University Symphonic Band (1)

The University Symphonic Band is the university's premier instrumental ensemble. Repertoire for the ensemble is chosen from the entire spectrum of wind ensemble and concert band literature and includes everything from 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)

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)

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)

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)

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)

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)

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)

The Concordia University Chamber Orchestra studies and performs literature for a small orchestra of strings and winds.

Mu 252 University Praise Band (1)

The University Praise Band studies and performs many of the top 20 CCLI Christian songs and hymn adaptations within a variety of jazz-influenced styles such as rock, R&B, samba, blues, funk, fusion, and reggae for chapel and special gatherings on campus. Rehearses 2 hours per week. Membership is by audition. P/F.

MUSIC: SCHOOL MUSIC

ScMu 262 Techniques in Woodwinds (2)

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)

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)

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)

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)

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)

The place and importance of classroom music. Techniques of teaching the elements of music; materials, creativity, classroom instruments, singing.

ScMu 361 Marching Band Techniques (1)

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)

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.

ORGANIZATIONAL MANAGEMENT (For Degree Completion Program Students Only)

ORGM 301 Group and Organizational Behavior (3)

A study of group formation, development and performance as it affects organizational effectiveness. Emphasis includes exposure to decision making and resolving conflicts in groups. Students develop strategies for efficient, productive group management and determine which tasks are best handled by groups as opposed to individuals. Students are also exposed to intergroup dynamics and management strategies.

ORGM 302 Human Relations and Workplace Diversity (2)

Addresses human relations as they relate to workplace diversity. Issues stemming from differences in social characteristics such as age, gender, race, ethnicity, national origin, ableness, and sexual orientation will be addressed.

ORGM 303 Management Concepts (3)

Students examine the formal and informal functions of organizations and analyze an agency or organization based on a systems model. Students will be introduced to the concept of world view and encouraged to explore how their beliefs and understandings influence their personal world views. Students will also analyze and solve organizational problems using multiple techniques. This analysis will be applied to students' work-related study projects.

ORGM 304 Methods of Research and Analysis (3)

An introduction to research and its tools with specific emphasis upon helping the student complete business research and understand managerial decision-making. Content will include statistical methods, database development, research methods, and analysis of a problem or opportunity suitable for the business research module.

ORGM 305 Senior Thesis, Part I (2)

This is a major research effort with the purposes of 1) enhancing knowledge in an area related to one's work or community, 2) improving writing skills, 3) improving public presentation skills, and 4) providing research skills that will assist in effective decision making. Students will identify research topics that reflect a business situation with current and future implications. The

initial oral presentation on progress will be made in this module.

ORGM 407 Organizational Communication (3)

This course investigates the role of communication in creating a productive organizational environment. It aids students in developing or strengthening their communication skills by focusing on interpersonal, group, and presentation skills.

ORGM 408 Accounting for Managers (3)

An overview of the acquisition, analysis, and reporting of financial information, including a study of income statements, balance sheets, cash flow, budgets, changes in financial position, and ratio analysis. Emphasis is on reading and understanding accounting documents rather than preparation.

ORGM 409 Human Resource Administration (3)

Students explore the values and perceptions of selected groups affecting social and economic life through an analysis of policies and practices of recruitment, selection, training, development, and compensation of employees. Special attention is given to Equal Opportunity and Office of Safety and Health Administration legislation through case studies and simulations. Principles of economics as they need to be understood and utilized by managers and supervisors in all fields. The internationalization of our economy and possible actions affecting the economy of all organizations will be included.

ORGM 410 Managerial Economics (3)

Principles of economics as they need to be understood and utilized by managers and supervisors in all fields. The internationalization of our economy and possible actions affecting the economy of all organizations will be included.

ORGM 412 Marketing in a Global Economy (3)

Students will be exposed to basic marketing theory and terminology and then given the opportunity to apply this newly acquired knowledge to analyze real-world cases exploring domestic and international marketing opportunities and problems. This exploration is designed to provide students with the skills necessary to identify and evaluate critical marketing data and to develop workable programs to solve problems and capitalize on opportunities.

ORGM 413 Principles of Management and Supervision (4)

Students examine motivational theory and its applications to individual and group functioning in work and home situations. Leadership styles related to particular circumstances are analyzed. Power, politics, and the management of conflict are covered through readings and class practice, with an analysis of the effect on productivity and job satisfaction. Students will be introduced to management techniques which promote creativity and continuous improvement.

ORGM 414 Organizational Ethics (3)

This course surveys ethical issues confronting business in the context of the students' personal world views. Students are asked to improve management accountability and respect for human rights, and to lead a responsible lifestyle in the contemporary world.

ORGM 415 Senior Thesis, Part II (2)

This is the culmination of more than a year's research and writing on a topic of employer or community interest. The writing of the project is completed and the findings and conclusions are presented orally to the group.

PHILOSOPHY

Phil 301 Concepts in Philosophy (3)

A general orientation in the field of philosophy through a consideration of its major types and problems. Emphasis upon the practice of critical thinking and an appreciation of the greater thought systems of history.

Phil 311 History of Philosophical Thought I (3)

An introduction to western philosophy through the study of leading thinkers and their systems of thought. The course begins with the pre-Socratic period in Greece (5th century B.C.), moves through the beginning of the Christian era and culminates in the Medieval era to the 14th century.

Phil 312 History of Philosophical Thought II (3)

An introduction to Western philosophy beginning with the rise of the scientific method and the beginnings of modern empiricism, centering then on the watershed of Western philosophy, that is, Immanuel Kant, and his immediate successors, and concluding with the survey of 20th century thought and the age of analysis.

Phil 319 Introduction to Symbolic Logic (3)

See Math 219.

Phil 499 Honors Course (3)

The course is designed to offer some flexibility for the student wishing to accomplish a minor in philosophy. By agreement with the department the student can accomplish a semester focus on a particular philosopher or school of philosophy or issue in philosophy. The student can fulfill this course also by work in their major department on a topic or school of thought that investigates philosophical underpinnings and questions pertinent to their major discipline, e.g., philosophy of science, philosophy in literature, philosophical theology, etc. This option should be undertaken by mutual agreement of both the philosophy instructor(s) and the pertinent department instructor and their departments.

PHYSICS

Phys 109 Introductory Physics (3)

Lecture 2, Lab. 2. An introduction to the concepts of physics used to understand and explain the sensibleness of nature, particle and wave ideas, theories that explain everyday phenomena. Not open to students who have had a year of high school physics.

Phys 110 Principles of Physics (4)

Lecture 3, Lab. 2. A study of general physics through experiments, lectures and discussion. Science as a way of knowing — Scientific methodology and practice; mechanics of particles and of waves; momentum, energy and conservation laws; thermodynamics; electricity and magnetism; light; relativity and quantum mechanics.

Phys 111 General Physics I (4)

Lecture 3, Lab. 2. Experiments, lectures and discussions to reveal the sensibleness of nature via mechanics of particles and waves as models, relativity and conservation laws, momentum and energy, and the nature of scientific inquiry. Prerequisite: a year of high physics or Phys 109, one year of high school algebra or equivalent and trigonometry (concurrent registration acceptable).

Phys 112 General Physics II (4)

Lecture 3, Lab. 2. Continuation of 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)

Lecture 1. A calculus-based treatment of topics covered in Phys 111. Enrollment in Phys 211 and Phys 111 is equivalent to taking a calculus-based general physics course. Prerequisites: Phys 111 or concurrent registration. Math 184 or concurrent registration with instructor's permission.

Phys 212 General Physics II Calculus Topics (1)

Lecture 1. A calculus-based treatment of topics covered in Phys 112. Enrollment in Phys 212 and Phys 112 is equivalent to taking a calculus-based general physics course. Prerequisites: Phys 112 or concurrent registration. Math 186 or concurrent registration with instructor's permission.

Phys 221 Statics (3)

The study of forces on bodies in equilibrium. Force systems, equilibrium, structures, trusses, frames and machines, distributed forces, beams, friction, centers of mass and moments of inertia. Prerequisites: Math 186, Phys 111 or equivalent.

Phys 321 Introductory Mechanics (3)

Lecture 3. Calculus treatment of the motion of particles and rigid bodies using Newtonian force methods: non-inertial reference frames, classical mechanics, relativistic laws of motion of a particle. Prerequisites: calculus and Phys 111 or permission of instructor, Phys 381 is recommended.

Phys 331 Descriptive Astronomy (3)

Lecture 3. See Science 331.

Phys 351 Classroom Activities with Physical Science (3)

Lecture 1, Lab. 4. See Sci 351.

Phys 353 Thermodynamics (3)

See Chem 353.

Phys 354 Quantum Mechanics (3)

See Chem 354.

Phys 355 Physical Chemistry Laboratory (1)

Lab. 3. Same as Chem 355.

Phys 356 Physical Chemistry Laboratory II (1)

Lab. 3. Same as Chem 356.

Phys 371 Electronics (3)

Laboratory approach to the study of integrated circuits and transistors. Classroom component for supporting theory.

Prerequisites: Calculus and General Physics II.

Phys 381 Modern Physics (3)

Lecture 3. Physics of the 20th century. Relativity, the wave–particle duality, atomic models, the quantum theory. Prerequisites: General Physics and Calculus.

Phys 382 Advanced Physics Lab. I, II, III (1)

Lab. 3. Selected experiments in modern physics requiring library research. Prerequisite: Phys 381 or concurrent registration.

May be taken more than once.

Phys 383 Introduction to Nuclear and Particle Physics (3)

Study of nuclear radiations, nuclear structure and models, and the energetics of sub-atomic particle interactions. Prerequisite: Phys 112 and 381, Calculus or concurrent registration, or permission of instructor.

Phys 390 Electricity and Magnetism (3)

Study of electrical and magnetic phenomena and their understanding through models and formulation. Prerequisite: Phys 112 and Math 186 or equivalent, Phys 381 is recommended.

Phys 395 Advanced Topics in Physics Seminar (3)

Advanced study of the concepts and techniques of an area of physics important to the field and outside the content of other physics courses. Specific topics will be determined by the instructor and the students, and may include Quantum Mechanics, Thermodynamics, Optics, Astrophysics, or Atomic Physics. Prerequisites: Upper-level standing in physics or physical sciences, or approval of the instructor.

Phys 399 Research in Physics (2)

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)

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)

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)

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)

See Hist 311.

PSYCHOLOGY

Psy 101 Introduction to Psychology (3)

The course is a survey of psychology as a natural science and a social science. As a study of human behavior and the mind, the course examines current sub-areas of psychology with attention to neurology, the environment, situation and experience, and the self. Throughout the content, the course also considers how presuppositions in philosophy and theology intersect, integrate, and conflict with views on the human condition.

Psy 210 Educational Psychology (2)

See EDPS 210 Educational Psychology

Psy 211 Child Development and Psychology (2)

An in-depth study of factors influencing the development and behavior of children from conception through adolescence.

Prerequisite: Sophomore standing.

Psy 212 Child Development and Psychology: Young Children (1)

An intense study of the preschool-age child in twelve key areas of development. Involves weekly observations of a preschool child in a childcare setting. Thirteen hours of field experience required. Prerequisite: Psy 211, or take simultaneously, and sophomore standing.

Psy 221 Lifespan Development (3)

This course will address the entire range of the human life chronologically from the moment of conception through death focusing on the physical, cognitive, social and personality development of each chronological period. Basic theories, research findings, and practical applications will be discussed.

Psy 241 Child Psychology (3)

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)

See HHP 290.

Psy 306 Introduction to Psychological and Social Research (3)

See Soc 306.

Psy 324 Psychology of Exceptionality (3)

This is a survey course which attempts to develop an understanding and appreciation for students with special needs.

Characteristics of those with learning disabilities, physical challenges, behavioral disabilities, developmental delays, hearing and vision impairment, and giftedness are studied. Prerequisite(s): Sophomore standing. Education: EDPS 210, Psychology majors: Psy 101. 12 hours of field experience is required.

Psy 341 Group Techniques (3)

A seminar-laboratory approach for the study of group work and the group process as they apply to the self, the classroom, youth work, business, and society. Prerequisite: Psy 101.

Psy 345 Social Psychology (3)

Social influences on the social and psychological development of the individual; the interaction process, role relationships, development of beliefs and attitudes, dynamics of social groups. Same as Soc 345. Prerequisite: Psy 101 or Soc 101.

Psy 385 Psychological and Sociological Analysis of Modern Literature (3)

See Eng 385.

Psy 406 Applied Research (3)

See Soc 406.

Psy 421 Adolescent Psychology and Development (2-3)

The course presents an arranged sequence of psychological and development theories, concepts, and insights designed to inform the practitioner working with adolescents. The content and class interaction cumulatively examine adolescent behavior and belief systems. The aim is to assist the practitioner with grounded yet flexible decision-making when working with young people in the contexts of counseling, teaching, youth ministry, family, and community. Prerequisite: Upper-level standing.

Psy 422 Psychology and Development of the Young Adolescent (2)

The course focuses on 10 to 15-year olds as they are beginning the transformation from childhood to adolescence. Targeted developmental areas are physical/sexual, social, spiritual, emotional, and cognitive development. Prerequisite: Psy 211 or Psy 421, or simultaneous enrollment.

Psy 442 Introduction to Counseling (3)

This introductory course is designed to assist the student to 1) reflect upon attitudes as a helping person 2) increase ability to use a problem management model 3) acquire the various skills that 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)

Reviews theories and methods which underlie the classification and study of as well as responses to abnormal behavior.

Prerequisites: Psy 101 and upper-level standing.

Psy 451 Personality Theory (3)

A study of the dynamic organizations within the human organism of those psychophysical systems that determine the individual's unique adjustments to his/her environment. Empirical and speculative viewpoints are studied with careful differentiation between surface and depth factors. A variety of personality theories are explored for direct applicability to the work of teacher, counselor and enabler. Prerequisites: Psy 101 and upper-level standing.

Psy 481 Practicum in Psychology (3)

The practicum in psychology is a planned and supervised educational experience which integrates the knowledge and theory of psychology gained through course work with field experience. Students reflectively observe professionals in the field and participate in meaningful and appropriate ways in the work at hand. Prerequisite: advisor's recommendation. Upper-level standing. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

Psy 490 Capstone Seminar (3)

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)

Arranged for qualified students to conduct research, present research or to assist faculty in psychology related endeavors.

RELIGION

Rel 101 Introduction to the Bible (3)

A historical and theological survey of the Bible emphasizing the thematic unity of the Holy Scriptures fulfilled in Jesus Christ. The course prepares the student to take either Religion 121 or Religion 131 as fulfillment of the Religion General Education requirements.

Rel 120 History and Literature of the Old Testament (3)

A historical and theological survey of the Old Testament era and the Old Testament writings with an emphasis on summarizing and communicating their major themes. Offered within the Degree Completion Program only.

Rel 121 History and Literature of the Old Testament (3)

A historical and theological survey of the Old Testament era and the Old Testament writings with an emphasis on summarizing and communicating their major themes.

Rel 130 History and Literature of the New Testament (3)

A historical and theological survey of the New Testament era and the New Testament writings with an emphasis on summarizing and communicating their major themes. Offered within the Degree Completion Program only.

Rel 131 History and Literature of the New Testament (3)

A historical and theological survey of the New Testament era and the New Testament writings with an emphasis on summarizing and communicating their major themes.

ROTC

Most ROTC courses are held on UNL's main campus in Lincoln. Please check with the Registrar's Office.

AERO 185/185L Foundation of the United States Air Force I/Leadership Lab (1/0 cr)

Officership, communication skills, opportunities, and benefits in today's U.S. Air Force. A weekly one and one-half hour Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

AERO 186/186L Foundation of the United States Air Force II/Leadership Lab (1/0 cr)

Communication and leadership skills, US Military history, and the organizational structure of today's US Air Force. A weekly one and one-half hour Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

AERO 295/295L The Evolution of US Air and Space Power I/Leadership Lab (1/0 cr)

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 (1/0 cr)

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 (3/0 cr)

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 (3/0 cr)

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 (3/0 cr)

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 (3/0 cr)

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 (1/0 cr)

Issues and competencies central to a commissioned officer's responsibilities. Understanding officership, leadership, Army values and life skills, such as physical fitness and time management. Lab includes challenging, rewarding, and practical activities in military skill development.

MLSC 102/102L Basic Leadership/Leadership Lab II (1/0 cr)

Foundations of leadership: problem solving, communications, military briefings, effective writing, goal setting, physical well–being, techniques for improving listening and speaking skills and counseling. Lab continues activities of Lab I.

MLSC 201/201L Individual Leadership Studies/Leadership Lab III (2/0 cr)

Introduction to replicating successful leadership characteristics through observations during experiential learning exercises. Record characteristics, discuss them in small group settings and use them in subsequent activities. Practice communications skills necessary for leadership roles, especially in military environments. Lab parallels Lab I with possible leadership roles within the Cadet Corps.

MLSC 202/202L Leadership and Teamwork/Leadership Lab IV (2/0 cr)

Building successful teams, methods to influence group actions, effective communications within groups, creativity in problem solving and how to motivate subordinates and peers. Using these skills in the context of military environments, such as while performing land navigation and infantry tactics. Lab continues activities of Lab III.

MLSC 301/301L Leadership and Problem Solving/Leadership Lab V (3/0 cr)

Conduct self-assessments of leadership style, develop a personal fitness regimen, and plan and conduct individual/small unit tactical training, while testing reasoning and problem solving techniques. Direct feedback on leadership abilities. Lab includes leadership positions in the cadet corps, tactics and weapons training, preparation for final year.

MLSC 302/302L Leadership and Ethics/Leadership Lab VI (3/0 cr)

Role of communications, values and ethics in effective leadership. Ethical decision making, consideration of others, spirituality in the military and Army leadership doctrine. Improve oral and written communication abilities. Lab continues activities of Lab V.

MLSC 401/401L Leadership and Management/Leadership Lab VII (3/0 cr)

Proficiencies in planning and executing complex operations, functioning as a member of a staff and mentoring subordinates. Training management, methods of effective staff collaboration, and developmental counseling techniques. Lab includes practice through developing, planning, and conducting leadership labs.

MLSC 402/402L Officership/Leadership Lab VIII (3/0 cr)

Case study analysis of military law and practical exercises in establishing an ethical command climate. Complete a semester-long Senior Leadership Project that requires: plan, organize, collaborate, analyze and demonstrate leadership skills. Lab continues activities of Lab VII.

SCIENCE

Sci 202 Science of Everyday Things (2)

Lecture 1, Lab. 2. Study of the science of everyday things with special use of particle and wave models. Understanding and explaining a wide variety of common phenomena in our lives; weather, household items, color effects, radio, TV, electricity, athletics, heating and cooling, etc. Prerequisites: H.S. biology, chemistry, and physics or equivalent.

Sci 230 Introduction to Forensic Science – Lecture (3)

Lecture 3. See Bio 230.

Sci 231 Introduction to Forensic Science – Lab (1)

Lab. 2. See Bio 231.

Sci 281 Physical Geography and Geology (4)

Lecture 3, Lab. 2. See Geog 281.

Sci 315 Environmental Science (3)

See Geog 315.

Sci 331 Descriptive Astronomy (3)

Introductory study of what is known about the universe and how this knowledge is gained. Prerequisite: H.S. physics or equivalent. Same as Phys 331.

Sci 351 Classroom Activities in Physical Science (3)

Lecture I, Lab. 4. Practical guidance and experience in the planning, preparation and execution of educational activities in introductory physical science, chemistry and physics. Useful for all levels with special emphasis on grades 7–12. Same as Phys 351.

Sci 365 Science and Society (1)

Lectures and periodical readings on recent and current science topics of interest to the “layman.” Science topics chosen for their impact on the individual and on society. Moral and religious implications of ideas and scientific advances are explored. P/F.

Sci 381 Meteorology and Oceanography (3)

See Geog 381.

Sci 385 Introduction to GPS (3)

See Geog 385.

SERVICE LEARNING

SL 370 Leadership Lab (2)

Students explore the personal challenges and opportunities of being leaders in action. Students will discover their interpersonal, organizational, and personal development skills and strengths. Activities, assignments, and readings focus on leadership theory and practical applications. Students will execute and reflect on a leadership focused service-learning project they have proposed and developed through the S–L Resource Center. Prerequisites: junior or senior standing, declared major, approved proposal, and instructor permission are required.

SL 380 Special Topics (2-3)

Special course developed and offered to explore interdisciplinary or advanced program connections to particular community issue or need led by faculty members with interest and experience in the special topic area. Course title and credits will vary per department focus, course objectives, and depth of service-learning experience. Prerequisites: junior or senior standing, declared major, and permission of instructor are required.

SL 390 Self-Directed Study (2)

Student engages in a self-directed exploration of a particular community issue or need relevant to their major or area of study. Student will develop a service-learning project proposal working with the S–L Resource Center and will then work directly with a service-learning faculty member on specific readings and other assignments to meet course objectives and student learning

goals. 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)

An orientation to the field and profession of social work, with emphasis on the role of the social workers. Historical and theoretical perspectives are examined, along with current trends and issues facing the profession.

SW 311 Social Work Internship I (3)

Supervised instruction to acquire skills in social work practice and to test in a field setting social work principles and practices. Students spend approximately 135 hours during the semester in this experience. Prerequisite: SW 201. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

SW 312 Social Work Internship II (3)

A continuation of SW 311. 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)

Systematic analysis of culture, society, socialization, social control, social processes, and social institutions.

Soc 201 Cultural Anthropology (3)

A survey of cultural anthropology with emphasis on culture, cultural diversity, social structure, social system components, language and communication, socio-linguistics, social control, and cultural change.

Soc 221 Social Problems (3)

Examines major social issues in America society, problems of the young and the elderly, alienation, deviant behavior, ecological problems, bureaucratic structure vis-à-vis individual freedom, and social disorganization. Prerequisite: Soc 101.

Soc 306 Introduction to Psychological and Social Research (3)

This course is an introduction to the philosophy, values, methodology, and objectives of psychological and social research. The main objective of this course is for the student to successfully complete a viable research proposal. Considerable emphasis is given to the following: use of the scientific method in social research; selection of a research problem; review of related literature and theories; structure of a research proposal; descriptive methods; instrument development; experimental methods; and applied research. Prerequisite: Soc 101 or Psy 101; Math 122; Junior standing. Same as Psy 306.

Soc 312 Urban Sociology (3)

The structure, functioning, and traits of urban society. Urban growth, ecology, culture problems and planning. Prerequisite: Soc 101.

Soc 321 Criminology (3)

This course examines the theories, causes and different responses to crime. It examines crime in the U.S. and other countries from juvenile to adult crime and differences between males and females in addition to what is even considered crime. Prerequisite: Soc 101.

Soc 322 Criminal Justice (3)

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 325 Topics in Criminal Justice/Criminology (3)

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. Prerequisite: Soc 101.

Soc 331 The Family (3)

The family as a basic social institution with special references to changing family structure and function. Special attention is given to changing social roles of family members and their impact upon other institutions such as the school and the church. Sem. I only. Prerequisite: Soc 101.

Soc 333 Social Gerontology (3)

This course is a basic introduction of social issues and theories of the aging process. Emphasis is given to the biological and psychological aspects as well as self-awareness of aging. Prerequisite: Soc 101.

Soc 335 Sociology of Religion (3)

Analyzes sociological theories pertaining to religion. Studies research data regarding the structure of and function of religious practices and institutions, including the influences of cultural factors upon religious systems. Prerequisite: Soc 101 or permission of instructor.

Soc 345 Social Psychology (3)

Social influences on the social and psychological development of the individual; the interaction process, role relationships, development of beliefs and attitudes, dynamics of social groups. Same as Psy 345. Prerequisite: Soc 101 or Psy 101.

Soc 361 Social Theory (3)

An intensive examination of selected major social theories and theorists and an introduction to the fundamentals of theory building and the evaluation of theories in the social sciences. Prerequisite: Soc 101.

Soc 406 Applied Research (3)

This seminar is designed to integrate the student's past course work in psychology and sociology in an effort to focus specifically on a current social problem or issue. The main objective of this course is for the student to successfully complete a research project based on the research proposal developed in Psy/Soc 306. Considerable emphasis is given to the following: structure of a research report; data collection; data analysis; data interpretation; contribution to or support of related literature and theories; and presentation and publication of findings. Prerequisite: Psychology and/or Behavioral Science Major; successful completion (grade of C or higher) of Psy/Soc 306. Same as Psy 406.

Soc 417 Afro-American History (3)

May be taken as a sociology elective. See Hist 417.

Soc 481 Practicum in Sociology (3)

The practicum 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)

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

Arranged for qualified seniors.

SPANISH

Span 101 Beginning Spanish I (3)

Aural-oral aspect of the language. Fundamentals of grammar with practice in reading and writing. Ordinarily not open to students having had more than one year of high school Spanish.

Span 102 Beginning Spanish II (3)

A continuation of Spanish I with increased emphasis upon speaking, reading, and writing skills. Prerequisite: Span 101 or equivalent.

Span 201 Intermediate Spanish I (3)

A systematic review of Spanish grammar. Development of writing and speaking skills. Study of selected aspects of Hispanic culture and society through reading and discussion. Prerequisite: Span 102 or equivalent.

Span 202 Intermediate Spanish II (3)

A continuation of topics and skills studied in Span 201. Reading and discussion of Spanish and Latin American literature and contemporary writings. Prerequisite: Span 201 or equivalent.

Span 203 Intensive Conversation (3)

A course in intensive conversation in Spanish, supported by study of vocabulary, reading, grammar review, and discussion and presentations in class on selected themes. Prerequisite: Span 202 or permission of instructor.

Span 204 Intensive Composition (3)

An intensive composition course in Spanish supported by a review of grammar, vocabulary study, reading, and in-class conversation. Prerequisite: Span 202 or permission of instructor.

Span 321 Spanish Civilization and Culture (3)

This course explores the history, culture and civilization of Spain. Prerequisite: Span 202.

Span 331 Latin American Culture (3)

A historical examination of the development of Latin American societies along with a study of major cultural characteristics of modern Latin American societies. The course is taught in Spanish. Prerequisite: Span 202 or above.

Span 341 Introduction to Hispanic Literature (3)

An introductory reading course in literature (short story, poetry, novel) of Spanish-speaking countries. Prerequisite: Span 203 and 204 or permission of instructor.

Span 342 Introduction to the Analysis of Hispanic Literature (3)

An introduction to the analysis of literature (narrative, poetry, drama) of Spanish-speaking countries. Prerequisite: Span 341 or permission of instructor.

Span 399 Independent Study (1-6)

Topic or program hours by arrangement.

THEOLOGY

Theo 209 Faith and Life (3)

This course examines the implications of Lutheran Christian theology for an understanding of vocation at both the personal and corporate levels. The emphasis of the course is on the application to life of biblically based Lutheran theology. Topics to be explored will include, but will not be limited to: a survey of the Reformation era, the proper distinction between Law and Gospel, two-kingdoms theology, the priesthood of all believers, vocation, stewardship, ethics, and select contemporary issues in Christian theology. Prerequisites: Fulfillment of the Biblical Literacy component of General Education. Offered within the Degree Completion Program only.

Theo 210 Faith and Life (3)

This course examines the implications of Lutheran Christian theology for an understanding of vocation at both the personal and corporate levels. The emphasis of the course is on the application to life of biblically based Lutheran theology. Topics to be explored will include, but will not be limited to: a survey of the Reformation era, the proper distinction between Law and Gospel, two-kingdoms theology, the priesthood of all believers, vocation, stewardship, ethics, and select contemporary issues in Christian theology. Prerequisites: Fulfillment of the Biblical Literacy component of General Education.

Theo 241 Interpretation of Selected Old Testament Prophetic Books (3)

Particular attention is given to developing 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)

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)

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)

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)

The setting, activity, significance, and evaluation of the person and work of Jesus on the basis of Scripture, historical literature, and recent scholarship. Prerequisite: Rel 131.

Theo 361 Christian Doctrine I (3)

This course examines Lutheran doctrine and applies it to the work, worship, and life of the Christian community. The topics are the nature and authority of Scripture, the nature of God, creation, the nature of man under grace and law, and the person and the work of Christ. Prerequisites: Theo 241 or 242 or 251 or 252 and upper-level standing.

Theo 362 Christian Doctrine II (3)

This course examines Lutheran doctrine and applies it to the work, worship, and life of the Christian community. The topics are the Church's mission and ministry, the means of grace (Word and Sacraments), the person and work of the Holy Spirit, justification, the Church, Christian living, predestination, and eschatology. Prerequisites: upper-level standing; Theo 361 or permission of chairman.

Theo 363 The Lutheran Confessions (3)

As examination of the evangelical, ecumenical, theological, and practical content of the Book of Concord through an exploration of the Three Ecumenical Creeds, the Augsburg Confession and Apology, and the Formula of Concord.

Theo 371 History of Christian Thought (3)

A study of major events and controversies in Western Christianity. The creeds, teachings which resulted, and the personalities which significantly influenced the formation of Christian thought are studied on the basis of original texts in translation.

Theo 375 Christian Denominations, Movements, & Contemporary Cults (3)

This course is a comparative study of the major Christian denominations, movements and contemporary cults which focuses on Biblical, religious, and theological emphases, organizational polity, cultural and historical background, and analyzing these aspects and contributions to ethnicities, cultures, religion and social dynamics within the world.

Theo 381 Christian Teacher's Ministry (2)

The course applies Biblical and theological principles of vocation, ministry, and the two kingdoms to the teacher of the church and the priesthood of all believers. Study of Scripture, standard historical documents, and current practice in calling, placement, and congregational life focuses on the identity of the teaching minister in parochial education and the Christian teaching in public and private education.

Theo 382 Theology of Corporate Worship (3)

The shaping of a theology of corporate worship on the basis of the Scriptures and the Lutheran Confessions, with particular reference to criteria for creating and evaluating worship forms in the church today.

Theo 385 Parish Visitation and Evangelism (3)

The Theology of the Church's mission and the practice of visitation and evangelism ministries within the setting of a parish are the focus of this course. Methods of visitation and programs and techniques of personal evangelism will be explored. Skills in speaking the Gospel will be developed.

Theo 390 World Religions: The Gospel in a Pluralistic World (3)

A survey of major world religions, highlighting their origins, history and worldview, and assessing the impact of each upon world culture. Prerequisites: Rel 121 and 131.

Theo 399 Independent Study in Evangelism Visitation (1)

Designed for those who will train lay people in evangelism calling. The student will attend a parish's evangelism calls training class and participate with other members in weekly calls. P/F.

Theo 418 From Exile to Christ: A Study of the Political and Theological Development in Judaism during the Intertestamental Period (3)

This course is an historical study of the Palestinian Judaism from the post-exilic period to the birth of Christ with extensive reading in intertestamental documents (Apocrypha, Dead Sea Scrolls, rabbinic sayings), noting those theological developments which prepare for the New Testament.

Theo 450 Understanding and Teaching the Bible (3)

This course gives attention to the role of the Bible in faith formation, hermeneutical principles, ways of teaching the Bible, Bible study programs, small group study, resources, and ways of promoting personal, family, and congregational involvement with the Bible. Prerequisites: Rel 121 and 131 and one of the following: Theo 241, 242, 251, 252, and upper-level standing.

Theo 460 Factors in Congregational Growth (3)

An examination of Biblical and confessional perspectives on congregational growth. Sociological factors will also be considered. Emphasis will be placed on equipping the student to determine appropriate programs of outreach for a parish.

Theo 465 Christian Ethics (3)

A study of the relationship between Christian ethics and moral philosophy. Students explore the ethical standards involved in Christianity and apply them to contemporary personal and social problems.

Theo 482 Nurturing Faith through Family, School and Congregation (3)

A study the formation of faith and virtue based on Biblical, theological and psychological perspectives serves as the foundation for investigating ways in which the family, congregation and the schools of the church can nurture the faith of children, youth and adults.

Theo 483 Sexuality and the Family (3)

This course develops a Christian approach to human sexuality, marriage, and the family through a study of the pertinent Biblical material. Special attention is given to developing skills, attitudes, and knowledge which can be incorporated in the Christian education programs of congregations, schools and social agencies.

Theo 485 Family Life Ministry (3)

A study of various models and strategies useful for initiating and sustaining a ministry to families in the context of a local parish. Emphasis will be placed upon family life ministry programs, evaluating curricula designed to be used in family life ministry, and family enrichment experiences.

Theo 487 Planning Adult Education in the Parish (3)

In planning educational events for adults, this course gives attention to ways of teaching for faith, adults as learners, the ministry of the laity, the design of educational programs, and curricula. Prerequisite: Upper-level standing.

Theo 489 Ministry in a Changing World (3)

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

Arranged for qualified seniors.

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