

CONCORDIA UNIVERSITY
NEBRASKA

2026-2027 Undergraduate Catalog

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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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ACADEMIC CALENDAR

SEWARD CAMPUS

Fall Semester 2026

Date	Day	Event
August 24	Monday	Fall semester begins
August 31	Monday	End of free add/drop for full semester and first 8-week courses; Tuition and fee payment deadline
September 18	Friday	Deadline for December graduation applications
September 21	Monday	Deadline for removal of Incomplete grades for summer semester courses
September 29	Tuesday	Deadline for Withdrawal and Pass/No Record for first 8-week courses
October 13	Tuesday	End of first 8-week courses
October 14	Wednesday	Start of second 8-week courses
October 16-19	Friday-Monday	Fall Break (no Monday night classes)
October 21	Wednesday	End of free add/drop for second 8-week courses
November 9	Monday	Senior and Post-Baccalaureate registration for Spring 2027 semester begins
November 11	Wednesday	Junior registration for Spring 2027 semester begins
November 11	Wednesday	Deadline for Withdrawal and Pass/No Record for full-Semester and second 8-week courses
November 16	Monday	Sophomore registration for Spring 2027 semester begins
November 18	Wednesday	Freshman registration for Spring 2027 semester begins
November 21-29	Saturday – Sunday	Thanksgiving recess
November 30	Monday	New student registration for Spring 2027 semester begins
December 4	Friday	Independent Study applications for Spring 2027 semester due
December 11	Friday	End of fall courses
December 14-16	Monday-Wednesday	Final exams
December 16	Wednesday	End of fall semester/Graduation (no ceremony)

Spring Semester 2027

Date	Day	Event
January 11	Monday	Spring semester begins
January 15	Friday	Deadline for removal of Incomplete grades for fall courses
January 18	Monday	Martin Luther King, Jr. Day (no classes)
January 19	Tuesday	End of free add/drop for full semester and first 8-week courses; Tuition and fee payment deadline
January 22	Friday	Deadline for May and August graduation applications
February 16	Tuesday	Deadline for Withdrawal and Pass/No Record for first 8-week courses
March 2	Tuesday	End of first 8-week courses
March 3	Wednesday	Start of second 8-week courses
March 6-14	Saturday-Sunday	Spring recess
March 17	Wednesday	End of free add/drop for second 8-week courses
March 26-29	Friday-Monday	Easter break (classes held Monday evening, 3/29)
March 30	Tuesday	Registration for summer term begins (all students)
April 5	Monday	Senior and Post-Baccalaureate registration for Fall 2027 semester begins
April 7	Wednesday	Deadline for Withdrawal and Pass/No Record for full-semester and second 8-week courses
April 7	Wednesday	Junior registration for Fall 2027 semester begins
April 12	Monday	Sophomore registration for Fall 2027 semester begins
April 14	Wednesday	Freshmen registration for Fall 2027 semester begins
April 19	Monday	New student registration for Fall 2027 semester begins
April 23	Friday	Independent Study applications for Fall 2027 semester due
April 30	Friday	Spring courses end
May 3-6	Monday-Thursday	Final exams
May 6	Thursday	Spring semester ends
May 8	Saturday	Spring Commencement ceremony

Summer Semester 2027

Date	Day	Event
May 10	Monday	Summer semester begins
May 31	Monday	Memorial Day (no classes)
June 4	Friday	Deadline for removal of Incomplete grades for Spring courses
July 4	Sunday	Independence Day holiday (no classes)
August 20	Friday	Summer semester ends/Graduation (no ceremony)

*Summer course dates vary.

Consult Registrar webpage for summer drop/add and withdrawal deadlines.

THE UNIVERSITY

HISTORY

Concordia University opened its doors on Nov. 18, 1894, with one professor, a dozen male students and a three-year high school curriculum. Concordia has since grown into a fully accredited, coeducational university which has granted more than 22,000 degrees and certificates. Concordia, Nebraska is a member institution of the Concordia University System (CUS) of the Lutheran Church–Missouri Synod (LCMS).

Concordia Teachers College was the institution's name from 1924 until July 1, 1998, when the institution became Concordia University. For much of the time between 1974 and 1998 the institution used the name Concordia College, although the name was not official.

STATEMENT OF MISSION AND COMMITMENTS

Concordia University is a coeducational institution of higher learning committed to the Christian growth of its students. Concordia is an excellent academic and Christ-centered community equipping men and women for lives of learning, service and leadership 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 the Walz Human Performance Center, a facility that will have a positive impact on thousands of students, faculty and other constituents every year for generations to come.

The Dunklau Center for Science, Business, and Math opened in 2019-2020 with 86,000 square feet of new lab, classroom, and collaboration space including a complete renovation of the existing Science building. This project and its continuing operation were fully funded by gifts so no student tuition or fees are used to pay for construction or operation expenses.

Seward is an ideal home for Concordia University. The town's 7,220 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 and The Rock Lutheran Church serve as home churches 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.

ACCREDITATION

Concordia University, Nebraska is accredited by The Higher Learning Commission, a Commission of the North Central Association of Colleges and Schools. (The agency may be contacted at 1-800-621-7440 or www.hlcommission.org). Concordia is approved by the Nebraska State Board of Education through the Committee of Educational Examiners of the Nebraska Council on Teacher Education for the preparation of elementary, secondary, early childhood and special education teachers. The teacher education programs are accredited by the National Council for the Accreditation of Teacher Education. The University is also accredited by the National Association of Schools of Music, located at 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190; phone 703-437-0700. The Department of Business at Concordia University, Nebraska has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11960 Quivera Road, Suite 300, Overland Park, Kansas, USA. For a list of accredited programs click here. The majority of Concordia's programs are approved by the Nebraska State Department of Education for veterans and other persons eligible for VA benefits.

ADMISSION

STATEMENT OF NON-DISCRIMINATION

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

Further, Concordia University does not discriminate according to age, race, color, sex and national and ethnic origin in

administering admissions and educational policies, scholarship and loan programs, and athletic and other school-administered programs.

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

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

A. An applicant from any member congregation of The Lutheran Church–Missouri Synod or an applicant who is a child of a person from a synodical congregation or

B. An applicant from a congregation of a Lutheran church body other than the Missouri Synod or an applicant who is a child of a person from a congregation of a Lutheran church body other than the Missouri Synod.

FRESHMAN APPLICANTS

Freshman class applicants may begin sending materials after the conclusion of their junior year of high school. A transcript with a record of grades through the junior year, a General Education Diploma (GED), or a state's equivalent of a GED, is required for acceptance. Since the university uses a rolling admission process, students are encouraged to submit an application as soon as possible, along with a transcript. Students with a cumulative GPA below 3.0 must submit their ACT or SAT scores for admission. Students with a cumulative GPA above 3.0 do not have to submit their ACT or SAT scores for admission.

Applicants admitted for each term are required to submit an enrollment fee of $200 in order to continue the admission process. The enrollment fee will hold space in a residence hall and will entitle the student to preferential registration for courses by a member of Student Success. Students must also submit health forms.

To be admitted as a freshman student, an applicant should be a graduate of an accredited high school. Normally applicants should have at least average or better grades, rank in the upper half of their class, and have average or better test scores

Applicants can be accepted for admission as regular students without all official transcripts submitted through the first term of their attendance. All official high school transcripts are to be submitted to the college prior to the start of the second term to continue as a regular student. If all official transcripts are not submitted the student will not be able to register for classes or receive financial aid for the following term.

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:

- Art
- English, four years
- Mathematics, three years
- Modern Language (Two years of study in the same modern language)
- Music
- Physical Education
- Science (biology, chemistry and physics)
- Social Studies, three years

TRANSFER APPLICANTS

If the student is in his or her first semester of college and is applying for the upcoming term, a student's application may be reviewed after the student submits final high school transcripts (and ACT or SAT scores, if required – see Freshman Applicants, above). The applicant must submit official transcripts from all colleges or universities previously attended. If a student has fewer than 24 transferable credits, a high school transcript, General Education Diploma (GED), or a state's equivalent of a GED is also required for admission review. Applicants normally must have a minimum cumulative college grade point average of 2.50. 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.

Traditional transfer students will have a free transcript evaluation done of courses taken at another institution to determine the transferability of credit. This evaluation will be done by the Office of the Registrar.

Applicants admitted for each term are required to submit an enrollment fee of $200 in order to continue the admission process. Final high school transcripts, a GED, or a state's equivalent of a GED must be submitted in order to continue as a regular student. Completion of health forms is also required.

Applicants can be accepted as regular students without all official transcripts submitted through the first term of their attendance. All official transcripts are to be submitted to the university prior to the start of the second term to continue as a regular student. If all official transcripts are not submitted the student will not be able to register for classes or receive financial aid for the following term.

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

TRANSFERRING CREDIT

Concordia will ordinarily accept successfully completed credit from regionally accredited two-year and four-year institutions which parallels a course requirement in the student's educational program at Concordia subject to the provisions below. Only courses with a grade of C- or above will be accepted for transfer

credit.

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

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

Students who seek a bachelor's degree must complete a minimum of 30 semester hours in residence. 12 hours must be at the 300 & 400 level and 15 hours must be in the student's major. For students in an education program this must include at least one semester of professional education coursework and their student teaching and methods courses.

Students seeking a bachelor's degree must complete at least half of the course work in their major at a four-year institution which would be designated by the institution as 'upper-level' or be the equivalent of required courses on this campus. Students who wish to obtain their bachelor's degree from Concordia but who opt to complete their program on another campus must receive prior approval of all courses to be considered as part of their program for meeting Concordia graduation requirements.

No grades from other institutions will be computed in the cumulative grade point average (GPA). Other grade averages, such as those in a major or a program, will be computed according to the policy of the appropriate department or program committee.

Additional transfer credit guidelines are located on the university website.

RE-ENROLLMENT

Former students of Concordia who wish to re-enroll should contact the Admission Office at admiss@cune.edu.

INTERNATIONAL STUDENTS

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

INTERNATIONAL STUDENT APPLICANTS

An international student is a citizen of a country other than the United States who requires an F-1 visa to come to the U.S. to engage in academic studies here. International students must be able to comply with the provisions of the Certificate of Eligibility to study in the U.S., Form I-20.

All international admission is handled by the Concordia Admission Office.

To meet admission requirements, the international student must:

- Complete the online application.
- Provide high school transcripts and evaluation report. Request to have high school transcripts sent to Concordia. If the transcript is not in English or not from an American international school, provide an evaluation report to verify credentials, degree, and U.S. equivalencies. A comprehensive or course-by-course report is required. An evaluation may be obtained from International Credential Evaluations (InCRED) at incredevals.org/students, World Education Services (WES) at wes.org, or an approved transcript evaluation provider.
- Take an entrance exam. Take the ACT or SAT College Entrance Exam or a National Standardized test and have scores sent to Concordia. Visit ACT.org or collegeboard.com to find nearby testing sites for the ACT or SAT.
- Provide English language proficiency scores. Non-native English speakers must provide proof of proficiency in the English language. Students must take one of the following to demonstrate proficiency:
- TOEFL (Test of English as a Foreign Language) IBT Test with a score of 78 or above;
- IELTS (International English Language Testing System) with a score or 6.0 or above;
- English3 Proficiency Test (E3PT) with a score of 65 with a minimum of 15 in each of the four areas of Speaking, Reading, Listening and Writing;
- Duolingo with a score of 100 or above.
- Information on the above tests is available at ets.org/toefl for TOEFL, ielts.org for IELTS, english3.com for E3PT, and Englishtest.duolingo.com

Once accepted, all new international students need to complete additional steps before they can come to the U.S. or begin studies at Concordia:

- Submit Visa Status form
- Submit Transfer form (if transferring from another U.S. college or university)
- Submit Financial Understanding and Agreement form, and notarized bank letter to prove financial support that will meet the total educational and living expenses for the first year of study.
- Submit Sponsor Support Statement and notarized bank letter (if receiving additional financial support from other friends or family or agency)
- Pay enrollment fee to Concordia.
- Receive I-20 form from Concordia.
- Pay the SEVIS I-901 fee, apply for F-1 visa, and comply with other U.S. entry procedures.
- Arrange for medical insurance coverage per Concordia's guidelines.
- Pay first semester tuition and fees by August 1st, or set up a monthly payment plan by August 1st.

Admission details can be found at:

https://www.cune.edu/international-students/undergraduate-international-student.

BEING AN INTERNATIONAL STUDENT AT CONCORDIA

Opportunities abound for international students at Concordia University as they are able to join with students who come from across the United States and many other countries to learn with each other and from each other. Once enrolled, international students work with the Director of Global Opportunities to maintain their student status to stay in the U.S. to study. Students are able to meet with the Director if they have questions on medical insurance coverage, traveling here or abroad, working on campus, or other issues related to life in the U.S. or maintaining their international student status.

STUDENT LIFE

STUDENT COMMUNITY LIFE

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

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

Also, students admitted to Concordia are considered as having accepted 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 council, 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 promotes 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 Career Planning and Retention. 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.

Additional information is located at: https://www.cune.edu/today/students/academic-support/advising.

ACADEMIC RESOURCE CENTER

At Concordia University Nebraska, we have academic resources to support you as a student here. The Academic Resource Center (ARC), provides on-campus academic assistance for all Concordia students. Students are invited to visit the ARC for one-on-one help with study skills, time management, test-taking skills, and organization. The ARC is located at the south end of the Link Library. Visit our Academic Resource Center webpage for more information.

Concordia has partnered with Brainfuse to provide 24/7 online tutoring and academic resources for all undergraduate and graduate students. Whether you need assistance with assignments or feedback on written projects, you can receive on-demand help anytime, anywhere. Information about Brainfuse can be found in your courses by accessing the "Support" area or clicking the "Books and Tools" link in your Blackboard course navigation. We are pleased to provide this service to our students free of charge and encourage you to use it to help you be successful.

ReadSpeaker is also available in all your courses on Blackboard. This tool converts written text into natural-sounding speech, making it easier to access and understand your course materials. Perfect for students with reading difficulties, visual impairments, or those who prefer listening to content. Customize the voice, speed, and highlights to suit your needs. Tutorials are available in the "Support" section of your course, and help is available via helpdesk.cune.edu. We are pleased to provide this tool for our students for free and encourage you to use it to help you be successful.

DISABILITY SUPPORT SERVICES

Concordia University, in accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973 (Subpart E), does not discriminate in the recruitment, admission, or treatment of students. Students with documented disabilities are legally entitled to request reasonable modifications, accommodations, and/or auxiliary aids and services that will enable them to access and have opportunity to participate in all postsecondary educational programs and services.

Who Qualifies?

Under Section 504 of the Rehabilitation Act, a person is considered to have a disability if that person:

- Has a physical or mental impairment that substantially limits one or more of such person's major life activities,
- Has a record of such an impairment, or
- Is regarded as having such an impairment.

Accessing Disability Support Services

Concordia University is committed to a climate of mutual respect and full participation. In the event you encounter any barrier(s) to full participation in any of the educational programs, activities, or services offered by Concordia due to the impact of a disability (e.g., physical, mental, cognitive) and may need accommodations to fully participate, you are encouraged to contact our Disability Support Services office (DSS). DSS facilitates this process to establish that (a) a student is a person with a disability; (b) the accommodations requested are logical, reasonable, and necessary to facilitate equal access and remove barriers, and; (c) the requested accommodation is reasonable within the appropriate context. You may request accommodations at any time through the Student Health Portal or visit our Disability Support Services webpage for more information. Accommodations are not retroactive, nor do they transfer from institution to institution. To contact the Disability Support Services, please call 402.643.7187 or 800.535.5494 ext. 7187 or email ada@cune.edu.

Student Responsibilities

As a student with a disability, to be otherwise qualified means you have to meet the same academic requirements and standards as non-disabled students. These requirements and standards must be considered necessary to maintain the integrity of a course, program or college policy. It also means you are required to meet instructors' expectations for students in regard to class participation, work standards, attendance and ability to demonstrate acquired knowledge.

CONCORDIA UNIVERSITY COPYRIGHT COMPLIANCE POLICY

Grounded in the U.S. Constitution, copyright law grants protection to original works of authorship fixed in a tangible means of expression. That includes just about anything that is written, recorded, built, or crafted, whether published or unpublished. It even covers websites and the images on them. If you want to use, sample, or make a copy of all or part of a work created by someone else, you need to first determine how copyright law applies to your situation. Using something for a class assignment does NOT automatically make it "fair use".

Concordia's full copyright policy is on the library's copyright page: https://cune.libguides.com/copyright/. There you find tools to help figure out whether your intended use is "fair" and learn how to locate resources that are free to use.

INTERNATIONAL STUDENTS

The Director of Global Opportunities works with all international students, ensuring that government requirements are met, academic studies progress smoothly, and that every student is acclimated to the community and culture of Concordia, Nebraska and the United States. For contact information and other resources available for international students, please visit www.cune.edu/admission/international. Students are also encouraged to see the Director of Global Opportunities for more information.

SYNODICAL AND CAREER SERVICES

Career development is an integral part of services offered to all Concordia University students. Synodical church work candidates

are assisted with opportunities for positions 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, resumes or portfolios; provided information about utilizing the many avenues available to search for jobs and assisted with development of interviewing skills. 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 career planning office.

FINANCIAL INFORMATION

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

UNDERGRADUATE TUITION AND FEES

FULL-TIME STUDENTS (12-18 SEMESTER HOURS)

Tuition per semester	$21,500
Overload fee (over 18 credit hours in a semester) per credit hour	$1,020

PART-TIME STUDENTS (LESS THAN 12 CREDIT HOURS)

Per credit hour	$1,430

TECHNOLOGY/FACILITY FEE

Full-time undergraduate students (per semester)	$350
Health Center fee (per semester)	$25
Part-time undergraduate students (per semester)	$200

OTHER TUITION

Students with Bachelor's Degrees per credit hour	$850
DCE Internship Comprehensive Fee per academic year	$7400

ROOM AND BOARD PLAN

Standard shared room Including unlimited weekly meals (with Dining Dollars) per semester	$5,975

Other plans are available based on meal plan and residence choices.

OTHER FEES

This listing does not include all fees which may be assessed by Concordia University, such as course fees or supplies. Other Administrative Fees and Course Fees may be found at the Student Financial Services webpage. Please see the Bookstore webpage for information about Concordia's Textbook Access Program and Fan Shop.

FEE PAYMENT POLICY

All students are to pay their balance due by the drop/add deadline (generally Monday of the second week of each semester). Refer to the Student Financial Services webpage for more information: The balance due is defined as total charges, less all financial aid that has been confirmed by the office of financial aid.

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

Students who do not pay their balance due or make acceptable arrangements by the due date will be charged a late payment fee and a student accounts hold will be placed on the student's account. Students with a student accounts hold are unable to register for future courses or receive their diplomas until their financial obligation has been satisfied. All 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's Office.

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

Federal regulations require each institution of higher learning to have a written policy for the refund and repayment of aid received by students who withdrew from all classes during a term for which aid had been received. Please refer to

https://www.cune.edu/today/students/academic-support/academic-policies/policy-return-financial-aid-received-through-title-iv-funds for further information.

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'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 Standard Aid Index (SAI). The SAI is based upon the information the family provides on the Free Application for Federal Student Aid (FAFSA). Factors such as income, assets, and family size are considered in determining a family's SAI.

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. 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. Extension to renew beyond eight semesters 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 Direct 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. Please refer to cune.edu/SAP for further information.

VETERAN'S BENEFITS AND TRANSITION ACT OF 2018

POLICY FOR STUDENTS UTILIZING VA *GI BILL*® EDUCATION BENEFITS

Consistent with the Veterans Benefits and Transition Act of 2018, Section 3679 of title 38, United States Code, Section 103, Concordia University, Nebraska will not impose any penalties due to the delayed disbursement of a payment by the U.S. Department of Veteran Affairs on recipients of Chapter 31 and Chapter 33 VA Benefits. Concordia University will permit any covered individual to attend or participate in the course of education during the period beginning on the date on which the individual provides Concordia University a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33, and ending on the earlier of the following dates: 1) The date on which payment from the VA is made to the institution or 2) 90 days after the date the institution certified tuition and fees following the receipt of the COE (Certificate of Eligibility).

Additionally, Concordia University will not require that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to Concordia University due to the delayed disbursement of funding from the Department of Veterans Affairs under chapter 31 or 33. A Covered Individual is any individual who is entitled to educational assistance under chapter 31, Vocational Rehabilitation, or chapter 33, Post 9/11 GI Bill® benefits, and has been verified by the school certifying official as benefit eligible. This requirement is limited to the portion of funds paid by VA.

STATEMENT OF COMPLIANCE WITH SECTION 1018 OF ISAKSON AND ROE

Concordia University Nebraska provides students using benefits under Chapter 30,31,32,33,94 35 of Title 38 U.S.C. or Chapter 1606 of Title 10, U.S.C. with a personalized shopping sheet. Information on this shopping sheet includes:

- Estimated total cost of a program, including tuition, fees, books, supplies, and other additional costs
- Estimated cost of living expenses plus costs listed above that are covered by VA Education Benefits
- Other types of Federal financial aid offered by the institution that is not administered by VA but that covered students may be qualified to receive
- Estimated amount of student loan debt a student would have on graduation
- Other information to facilitate comparison by the individual about financial aid packages offered by different educational institutions

The personalized shopping sheet will be provided within 15 days after tuition and fees are determined for a calendar year if there is a change.

Additional information is located at:

https://www.va.gov/education/gi-bill-comparison-tool/

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official

U.S. government website at www.benefits.va.gov/gibill

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 must meet requirements stated in the most recent catalog. Programs may also be altered in individual cases as a result of proficiency tests, advanced placement tests or a program of credit by examination.

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

ATTENDANCE

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

STUDENT CLASSIFICATION

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

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

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

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

ACADEMIC HONORS

Term: Concordia University recognizes academic achievement each semester by awarding term honors to students earning a semester GPA of 3.90 or higher, providing they completed 12 or more undergraduate credit hours graded on the traditional (A–F) scale, received no incompletes, or had no unrecorded grades at the time honors were determined.

Graduation: Members of the graduating class are recognized for academic excellence at two levels. “With High Distinction” is earned by the top 10% of each college and “With Distinction” is earned by the next 15%. High Distinction will require a minimum cumulative GPA of 3.75, while Distinction will require a minimum cumulative GPA of 3.50. Graduates of the College of Education, Health and Human Sciences, and the College of Arts and Sciences are recognized separately. Transfer students are eligible for graduation honors if they have completed 64 or more hours at Concordia University, Nebraska.

PARTICIPATING IN COMMENCEMENT EXERCISES

Concordia University holds commencement exercises each May on the Saturday after 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 holds will be placed on students 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. A normal course load for a full-time student is 15-16 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.
3. 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.
4. End of Drop/Add date is the last date for course enrollment in a given term. No changes in course registration may be made after the end of Drop/Add date.

ACADEMIC CREDIT HOUR

One hour of undergraduate academic credit represents approximately 1 hour of instruction or instructional activities per week or 15 hours of instruction or instructional activities over the course of an academic module or term. Students can expect to devote a minimum of 45 hours of work for each 1-credit hour, as mandated by the U.S. Department of Education. Instruction and instructional activities may include but are not limited to: lecture, discussion and activities, readings, written or spoken projects, internships, practicum, labs, lab prep, review sessions, mediated discussion, media presentations or simulations.

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:

Grade	Points per Credit
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00
W	0.00*
I	0.00**

*W equals 0.00 points, withdrawn without penalty, not computed in grade point average.

**I equals 0.00 points, Incomplete, not computed in grade point average.

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.

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 end of the subsequent fall, spring or summer 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's Office. When a student withdraws from a course with proper approval, the permanent record will show a grade of W (Withdrawal). The last date for withdrawal from semester classes is the Wednesday of the 12th week of the semester.

Students who stop attending a course and do not complete the withdrawal process will receive a failing grade of record. Students are responsible for filing their withdrawal forms with the Registrar's Office. Students who wish to withdraw from the university are to notify their advisors and secure the approval of the Director of Student Success.

CALLED TO ACTIVE MILITARY DUTY

It is the intent of Concordia University, Nebraska to facilitate the withdrawal or change in registration and the reenrollment of students who are called to active military duty. If called to active duty in the U.S. armed forces, students may withdraw and receive a full refund of tuition and fees for that semester. The student (or a representative) should take a copy of the military orders to the Registrar's office to process withdrawal or change in registration. Withdrawal for active military service will have no effect on any subsequent request to withdraw from the University. Students may re-enroll upon completion of their tour of duty.

The University policy governing military call-ups allows for a variety of unique solutions not covered by University policy (such as receiving incompletes in some classes while retro-withdrawing from others leading to a partial refund; or receiving a total refund of tuition and fees) which minimizes the effects of time and financial investment put into a semester already in progress when you are called to active military service.

You will need a copy of your orders.

You should first consult with your advisor. Based on the specific course(s) in which you are enrolled and the point in the semester when the call-up occurs, you may be advised to discuss incomplete contracts with individual instructor or be directed immediately to the registrar's office.

The Registrar's Office and Student Financial Services staff will make determinations as to appropriate withdrawal procedures and refunds and explain the process for re-enrollment after completing active duty. They will also assist with quick referrals related to financial aid issues, cancellation of any campus housing contracts, and allowable refunds.

REPEATS

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

FAILURES

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

PASS/NO RECORD AND PASS/FAIL

Students may choose to take courses Pass/No Record (P/NR) when the courses are not required in the student's general education, major, minor, or other program. (Some courses are only offered P/NR and are not subject to this rule). Courses ordinarily offered for a letter grade but elected P/NR count toward the 120-hour graduation requirement as free electives. The student's GPA will not be affected by a course taken as P/NR. A passing grade will result in successful hours of credit.

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

ACADEMIC STANDING

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

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

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

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

A. is not considered to be in "good standing" for the purposes of external reporting.

B. is eligible for athletic teams and campus activities subject to conference rules and policies. Concordia University officials may place restrictions on individual students as part of that student's academic support plan.

C. may be released from academic probation by completing 12.00 or more semester hours in a given semester and achieving 2.00 (C) cumulative GPA. If the student is placed on academic probation in a subsequent semester, s/he is subject to dismissal.

D. is required to schedule meetings with the Academic Guidance Counselor and with his/her advisor.

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

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

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

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

RECORD POLICIES

PRIVACY OF EDUCATIONAL RECORDS

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

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

1. *The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.* A student should submit to the registrar, dean, chair of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. *The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.* A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. *The right to provide written consent before the University discloses personally identifiable information from the student's education records, except for where FERPA authorizes disclosure without consent.* These exceptions may include:
    a. School Officials who have a "legitimate educational interest."
    b. Other Institutions
    c. Audit or Evaluation of Federal or State education programs
    d. Financial Aid
    e. State and local officials pursuant to statute concerning juvenile justice
    f. Organizations conducting studies
    g. Accrediting Organizations
    h. Judicial order or subpoena
    i. Health and Safety
    j. Disciplinary Hearing Results
4. *The right to notify the University in writing if the student does not want any or all of the information designated as directory information.* The University has designated the following as directory information:
    - Student's name
    - Participation in officially recognized activities and sports
    - Address
    - Telephone listing
    - Weight and height of members of athletic teams
    - Electronic mail address
    - Photograph
    - Degrees, honors, and awards received
    - Date and place of birth
    - Major field of study
    - Dates of attendance
    - Grade level
    - Enrollment Status
    - The most recent educational agency or institution attended
5. *The student has the right, on request to the appropriate University official, to review all materials that are in the student's education records, except*:
    a. Financial information submitted by the student's parents.
    b. Confidential letters and recommendations associated with admissions, employment or job placement, or honors, to which the student has waived rights of inspection and review.
    c. Education records containing information about more than one student, in which case the University will permit access only to that part of the record that pertains to the inquiring student.
6. *The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA.* The name and address of the Office that administers FERPA is:

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

TRANSCRIPTS

Academic transcripts are issued by the Registrar's Office and may be requested through the Concordia University Transcript Ordering Portal at www.cune.edu/transcripts

Students requesting transfer credit from another institution should send an official transcript directly to Concordia.

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

E-MAIL COMMUNICATION

All Concordia e-mail accounts exist to advance the mission of the institution and are supported in their totality by Concordia University. E-mail use supports, directly and indirectly, a corporate educational effort and the accounts are not considered personal property. All those who teach at Concordia will have an officially-issued e-mail account that students and others at the university can reasonably expect to be used.

Students are required to use their issued CUNE email address. A student's CUNE email address is one of the official means for university communication and their instructors will also have the expectation that these e-mail addresses can and will be used for communication with a student. The university expects faculty, staff, and students to check e-mail on a frequent and consistent basis and to respond in a timely fashion. As a general rule students and colleagues can expect that e-mail will be checked on any day an instructor is in class.

DEGREES, DIPLOMAS AND CERTIFICATES OFFERED

BACHELOR'S DEGREES

Concordia University offers the following undergraduate degrees: Bachelor of Science in Education, Bachelor of Science, Bachelor of Arts, Bachelor of Music, and Bachelor of Fine Arts. The conferral of a degree is dependent upon:

- the completion of the specific degree requirements and a minimum of 120 semester hours of credit. A second bachelor's degree requires the completion of an ***additional*** 30 semester hours (a minimum of 150 hours for two degrees).
- a minimum cumulative grade average of "C" (2.00), or the minimum grade average specified by individual program requirements (if higher).
- a minimum of 30 semester hours (12 of which must be at the 300 & 400 level and 15 of which must be in the student's major) must be taken in-residence.
- Applications for graduation must be submitted by the deadlines posted by the Registrar. The $150 Graduation fee must be submitted with the application for graduation. This fee covers processing of the final degree audit, conferral of degree, and production and mailing of diploma. The graduation fee applies to all students, regardless of participation in Commencement exercises.

Students are responsible for knowing and meeting all requirements for graduation.

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-commissioned status in The Lutheran Church–Missouri Synod.

All students receiving the Lutheran Teacher 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 Teacher Diploma are required to take a minimum of nine hours of 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 seven 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 CUEnet online system.

Candidates who 1) are a member of an LCMS congregation, 2) have a B.S./B.A. in education, 3) are at least 25 years old, and 4) have taught in a Lutheran school for at least one year may apply

to Concordia University's Office of Colloquy Program for entrance into the program.

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

The courses required for completion are:

REL 121 History and Literature of Old Testament
REL 131 History and Literature of New Testament
THEO 251 Interpretation of Pauline Epistles
THEO 361 Doctrine and Confessions I
THEO 362 Doctrine and Confessions II
EDUC 362 Teaching the Christian Faith (MUED majors take CHMU 313 or 411)
THEO 381 Christian Teacher's Ministry

TEACHER CERTIFICATION

Concordia maintains an office to assist graduates in securing a teaching certificate. The Dean of Education, Health and Human Sciences 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, Health and Human Sciences.

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

DIRECTOR OF CHRISTIAN EDUCATION PROGRAM

THE DCE CERTIFICATE

Concordia awards a DCE certificate to all LCMS graduates who have completed the DCE admission process, CEL major, foundational major, DCE certification requirements and all other graduation requirements for a baccalaureate degree. This certification entitles a graduate to receive a call as a DCE and to be placed on the Commissioned Minister Roster of The Lutheran Church–Missouri Synod.

DCE SPECIALIST DIPLOMA

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

1. Formal application to the DCE program.
2. Interview with faculty members.
3. Coursework 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 Department of Christian Educational Leadership.

CLASSICAL EDUCATION

CLASSICAL LUTHERAN EDUCATION CERTIFICATE

The Classical Lutheran Education Certificate is granted to students who have met all requirements of the Classical Lutheran Education Certification and have completed either a Classical Liberal Arts Major or Classical Liberal Arts Minor. The student seeking certification must be a current member in good standing of a congregation of The Lutheran Church-Missouri Synod. Students need to be certified by the faculty as qualified to begin service as called members of the Lutheran teaching ministry. Students wishing to receive the Classical Lutheran Education Certificate must apply to the program and complete its requirements as part of the baccalaureate degree. This certification qualifies the student for minister of religion-commissioned status in The Lutheran Church-Missouri Synod.

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.

BACHELOR'S TO MASTER'S PROGRAM

Departments may establish accelerated Bachelor's to Master's programs in which qualified undergraduate students are allowed to take graduate courses that count toward undergraduate majors while earning credit toward a graduate degree. Current programs include Business Administration, Education, Public Health and School Counseling.

Application to the program may be made after a student has earned 75 undergraduate credit hours. To begin the program, students must have completed at least 90 hours of undergraduate credit and have a GPA of at least 3.33. Students may take no more than 6 hours of graduate hours per semester and register for no more than 16 total hours per semester. Students may count no more than 12 hours toward requirements in both graduate and undergraduate programs. Students may earn no more than 18 total graduate hours while an undergraduate.

Specific academic departments may also have their own policies. For more information and application contact the department chair of the respective program area.

LUKE SCHOLARS PROGRAM

The Luke Scholars Program is Concordia University Nebraska's honors program. Grounded in the Liberal Arts and Concordia's Promises of a Lutheran Education, the Luke Scholars Program aims to cultivate students of high potential and great will into capable servants and intellectual stewards, mindful of the gifts with which they have been blessed and conscious of their duty to serve and lead.

Luke Scholars take 18 hours of courses during their time on campus consisting of an introductory course, "Becoming a Luke Scholars," four seminars and a capstone. Luke Scholars courses as specially designed for the program and are often interdisciplinary. Many Luke Scholars courses also meet other requirements. The typical course sequence is as follows:

Becoming a Luke Scholar I (Fall 1st Year)	3
Seminar (Spring 1st Year)	3
Seminar (Fall or Spring 2nd Year)	3
Seminar (Fall or Spring 3rd Year)	3
Seminar (Fall or Spring 4th Year)	3
Luke Capstone (Spring 4th Year*)	6
Total	18 Hours

*Students who are graduating in less than four years, those who study abroad, and education students who will be student teaching during their senior year can work with the program director to modify their course sequencing and timing.

Application to the program is open to all graduating high school students regardless of their choice of major. Students with ACT scores of 28 or better and high school GPA's of 3.85 or higher are strongly urged to apply. To apply, students must complete an application, after which time they will be contacted for a phone interview. Within the application, students will also be asked to provide the names of two academic references.

Luke Scholars will be held to high academic and moral standards. Scholars must maintain a cumulative GPA of 3.5 or greater in their major and attain a 3.5 GPA each term overall. In addition, scholars cannot receive any grade below a C in any course or earn less than a B in a Luke Scholars course. Scholars are also expected to be academically honest and to live lives free from campus infractions. Finally, scholars are expected to exhibit the values of the program at all times. Failure to live up to these standards may result in dismissal from the program.

For participating in the program Luke Scholars receive:

- Free books/materials in Luke Scholars courses
- Access to the Luke Scholars Library
- Tuition waivers for course overloads
- $250 in research funds
- Supplemental study travel stipends of $500
- Recognition of having completed the program on their transcripts

Further information about the program see:
https://www.cune.edu/academics/undergraduate/luke-scholars

CREIGHTON 3+1 DUAL DEGREE NURSING PROGRAM

Through Concordia's 3+1 Dual Degree nursing program with Creighton University, students can earn both a Bachelor of Arts degree in Biology from Concordia University and an accelerated Bachelor of Science in Nursing from Creighton University in four years.

Students in the 3+1 Nursing program meet regularly with mentors from both Concordia and Creighton to ensure they will be prepared for the rigorous nursing curriculum and clinical training they will receive at Creighton. Students are part of Concordia's campus community for their first three years and can participate in co-curricular activities, live on campus, and enjoy Concordia's Christ-centered college experience. After successfully completing the required Concordia courses in three years, students transition to a Creighton University campus to complete the ABSN curriculum and participate in clinical training at local area health care facilities.

Prior to matriculating into Creighton's ABSN program, students must complete Concordia's Cornerstones and Living Stones general education, 34 credits of prerequisite coursework for Creighton's ABSN, and the degree requirements for Concordia's BA in Biology. A minimum 3.75 high school GPA is recommended for students entering the 3+1 Dual Degree Nursing program as freshmen. Students wishing to enter the program after their freshman year may do so if their college record meets the criteria for continuing in the program, described below. To continue in the Dual Degree program, students must maintain a minimum 3.0 cumulative college GPA, must complete all prerequisite and science courses with at least a C (2.0) average, must earn a grade of "C" or above in all Creighton prerequisites, and must receive no more than two "C" grades in any science courses.

Students apply to the Creighton ABSN program during their junior year and are formally admitted upon satisfactory completion of all prerequisites, a successful background check, and other related requirements. See Dual Degree 3+1 Nursing Program for more information.

Creighton's prerequisite courses and Concordia's Biology program requirements are as follows:

Creighton Prerequisites (34 credits)

SOC 101 Introductory Sociology 3
PSY 101 General Psychology 3
PSY 221 Developmental Psychology 3
SCI 490 Ethics 3
MATH 122 Statistics 3
BIO 244 Nutrition 3
BIO 253 or 343 Anatomy and Physiology I 4
BIO 254 or 344 Anatomy and Physiology II 4
BIO 351 Microbiology 4
CHEM 115 General Chemistry 4

Biology Program Requirements (36 credit hours)

BIO 111 General Biology I 4
BIO 112 General Biology II 4
BIO 251 Medical Terminology 2
Biology Electives 23
Science Ethics, Nutrition, Anatomy and Physiology I & II, and Microbiology courses from Creighton Prerequisites (18)
Additional Biology electives may include any 300 or 400 level biology courses. Recommended courses include Bio 308, Bio 321, Bio 322, Bio 350, Bio 385, and Bio 465
Capstone experience* 3
*Satisfied upon completion of Creighton's ABSN Program

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 AND CLEP

Concordia will award college credit to students receiving certain scores on Advanced Placement (AP) and College Level Examination Program (CLEP) exams. Current AP and CLEP accepted scores are posted online. Contact the Registrar's Office for further details.

INTERNATIONAL BACCALAUREATE

Concordia University awards transfer credit to incoming students who have completed individual International Baccalaureate (IB) courses or the full IB Diploma. Concordia considers both Standard and High Level scores for credit on a course-by-course basis and also guarantees at least 24 but not more than 32 hours of credit to students who complete the IB Diploma program. A guide to the number and type of credits awarded for individual IB courses is posted online. Contact the Registrar's Office 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 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.

SPECIALLY ARRANGED UNL COURSES

Students in Business-Agribusiness, Geography and Spanish programs may be eligible for enrollment in courses at the University of Nebraska-Lincoln via an arrangement between the universities. Contact the Registrar's Office for more information.

CREDIT-BY-EXAMINATION

Individual departments may offer academic credit to students who have proficiency in an area and successfully complete a Concordia credit-by examination. The awarding of credit procedure is outlined in university policy and applicable fees apply for the test and recording of credit. Contact the Registrar's Office for more information.

TUTORIAL ASSISTANCE

Tutoring resources are available through the Academic Resource Center. Please see the Academic Resource Center section for mor information.

CONCORDIA UNIVERSITY SYSTEM EXCHANGE

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

HIGH IMPACT PRACTICES

Concordia University is committed to incorporating "High Impact Practices" into its curriculum and the overall university experience. High Impact Practices are activities and experiences that help students, faculty, and staff engage in learning that goes beyond traditional classroom experiences. These may take place in the form of concentrated academic projects, internships, capstone courses, research, diversity/global learning, and community-based learning. High Impact Practices offer the potential to change a person's self- perception and worldview through intense experiences in substantive matters that cause one to rethink his or her place and purpose in the world.

INTERNATIONAL STUDY, SERVICE AND MISSION OPPORTUNITIES

GLOBAL OPPORTUNITIES

Concordia University is committed to equipping its students for leadership, service, and learning in the world. Through international experiences, students can discover firsthand 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 hometown.

The Global Opportunities Center is a one-stop location (200 Faculty Lane) for information on international study, service, and mission opportunities. Concordia students should contact the

Director of Global Opportunities for more information on any of the international experiences listed below.

INTERNATIONAL TRAVEL AND STUDY TOURS

Students are able to experience another country through short-term travel and study tour activities.

- Some opportunities may be off-site course offerings where registration in a course for credit is required.
- Other opportunities are available for the travel and cultural experience (independent study credit optional).
- These experiences typically are led by Concordia faculty for one to two weeks during winter, spring or summer breaks.

STUDY ABROAD

A student may spend 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. The general process is as follows:

- A student meets with the Director of Global Opportunities to determine study abroad programs that fit their program of study, to pick up application materials, and for guidance through the process.
- The student also visits with their academic 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 mission outreach or service to (and with) people in another country is the primary focus.

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

INTERNATIONAL STUDENT TEACHING

Opportunities are available for student teaching at Lutheran international or Christian schools in places like China, Vietnam, Panama, Hungary, Slovakia, Ecuador, or Australia. Education students must apply a year in advance of their professional semester.

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 missionary with LCMS World Missions or Mission of Christ Network, serving with the Peace Corps, or teaching ESL abroad.

LIVING STONES GENERAL EDUCATION CURRICULUM

As a Lutheran, Christian University grounded in biblical truth, Concordia's Living Stones general education provides students with a liberal arts education that integrates knowledge with theological insights, helps them to identify and grow in their callings, and furthers their ability to navigate God's beautiful yet fallen, complex, and diverse world.

Liberally educated Concordia students have:

- Broad knowledge of the world
- The intellectual and professional abilities to pursue their various vocations.
- An understanding of virtues and limits of academic disciplines.
- The ability to critically analyze evidence and extrapolate that information in new areas.
- The wisdom to apply what they have learned in service to neighbor, church, and world,

Cornerstones

The Cornerstones requirement is a 4-course sequence all students take as the foundation of their CUNE education.

Enduring Question: What is the basis of my faith and how does this inform how I should live my life?

Course Number/Title	Credit Hours
FNDS 150 Foundations	3
REL 121 History and Literature of the Old Testament	3
REL 131 History and Literature of the New Testament	3
THEO 210 Faith and Life	3

Total Hours: 12

The Foundations course may not be waived. Nor may other courses be transferred in its place.

Living Stones

The Living Stones requirement is aimed at giving students broad knowledge of the disciplines, while also engaging the fundamental ideas introduced in the Cornerstone courses.

Creation

Enduring Question: What does the study of creation tell me about God, myself, and how I should care for it?

Course Number/Title	Credit Hours
Life Sciences	3-4

Select one course from:

- AGRI 100 Agriculture in the World Today (3)
- BIO 110 Principles of Biology (3)
- BIO 111 General Biology (4) *
- BIO 243 Elements of Human Anatomy and Physiology (3)
- BIO 244 Nutrition (3) *

Physical Sciences 3-4

Select one course from:

- CHEM 109 Introductory Chemistry (3)
- CHEM 115 General Chemistry I (4) *
- PHYS 109 Introductory Physics (3)
- PHYS 111 General Physics I (4) *
- SCI/PHYS 331 Descriptive Astronomy (3)
- SCI 202 Science of Everyday Things (3)
- SCI/GEOG 282 Geology (3)
- SCI/GEOG 381 Meteorology (3)

* These courses are intended for science majors and have high expectations. Students who choose these courses should have a strong science background and a strong interest in the subject.

Mathematics 3-4

Select one course from:

- MATH 122 Introduction to Statistics (3)
- MATH 128 Introduction to Data Science (3)
- MATH 132 College Algebra (3)
- MATH 142 Survey of Contemporary Mathematics (3)
- MATH 182 Calculus with Applications (3)
- MATH 184 Calculus I (4)
- MATH 201 Concepts of Mathematics I (3)

Health and Human Performance 2-3

HHP 100 Lifetime Wellness (1)

Select one course from:

- HHP 182 First Aid and CPR (1)
- HHP 275 Introduction to Public Health (2)
- HHP 281 Health Topics: Drug Education (1)
- HHP 282 Health Topics: Mental Health (1)
- HHP 284 Health Topics: Stress Management (1)
- HHP 285 Health Topics: Nutrition (1)
- HHP 286 Health Topics: Men's Health (1)
- HHP 287 Health Topics: Women's Health (1)

Total Hours: 10-15

Society

Enduring Question: Who are my neighbors and how should I love them?

Course Number/Title	Credit Hours
History	3

Select one course from:

- HIST 115 United States History (3)
- HIST 131 World Civilization I (3)
- HIST 132 World Civilization II (3)

Geography, Economics, and Political Science 3

Select one course from:

- GEOG 101 Introduction to Geography (3)
- GEOG 202 World Regional Geography (3)
- ECON 101 Macroeconomics (3)

ECON 102 Microeconomics (3)
PS 111 American Government (3)
PS 211 Global Issues (3)

Psychology and Sociology 3

Select one course from:

PSY 101 Introduction to Psychology (3)
PSY 221 Lifespan Development (3)
SOC 101 Introduction to Sociology (3)
SOC/CJ 260 Criminology (3)

Communication/Modern Foreign Language 3

A student without two years of the same foreign language in high school must take a modern foreign language to meet the requirements of this category. These courses include:

ASL 101 Beginning American Sign Language I (3)
ASL 102 Beginning American Sign Language II (3)
ASL 201 Intermediate American Sign Language I (3)
ASL 202 Intermediate American Sign Language II (3)
CHNS 101 Beginning Mandarin I (3)
CHNS 102 Beginning Mandarin II (3)
CHNS 201 Intermediate Mandarin I (3)
CHNS 202 Intermediate Mandarin II (3)
SPAN 101 Beginning Spanish I (3)
SPAN 102 Beginning Spanish II (3)
SPAN 201 Intermediate Spanish I (3)
SPAN 202 Intermediate Spanish II (3)

Students who have taken two years of the same foreign language in high school may also choose from the following communication courses:

CTA 103 Experiences in Human Communication (3)
CTA 203 Communication Theory (3)
CTA 211 Public Speaking (3)
CTA 281/BUS 281 Business Communication (3)
EDUC 324E Instruction and Assessment for Elementary and Middle Level Classroom (3)
EDUC 324S Instruction and Assessment for Middle Level Secondary Classrooms (3)

Total Hours: 12

Creative World

Enduring Question: How has God designed humankind to be creators in service to God and neighbor?

Course Number/Title Credit Hours

Fine Arts

Select courses from: 6

ART 101 Fundamentals of Art (3)
ART 103 Observational Drawing (3
ART 161 Visual Studies (3)
ART 203 Two-Dimensional Design (3)
ART 235 Digital Photography (3)
ART 243 Ceramics – Wheel Throwing (3)
ART 260 Christian Faith in Art and Architecture (3)
ART 271 Art History I (3)
ART 272 Art History II (3)
CTA 152 Basic Acting Technique (3)
CTA 153 Theatre History (3)
CTA 154 Creative Drama (3)
CTA 231 Oral Interpretation (3)
CTA 252 Theatre Production Workshop (3)
CTA 254 Improvisation as Outreach (3)
CTA 270 Theatre Study Tour (1-3)
ECTA 160 Studies in Cinema (3)
MU 111 Music Appreciation (3)
MU 112 Film Music (3)
MU 232 Male Chorus (0-1)
MU 233 Cantamus (0-1)
MU 234 Mixed Chorus (0-1)
MU 236 University A Cappella Choir (0-1)
MU 241 University Wind Symphony (0-1)
MU 242 University Band (0-1)
MU 247 Concordia Handbell Choir (0-1)
MU 248 University Orchestra (0-1)
MUAP– any Applied Music course (1-2)

Literature 3

ENG 201 Introduction to Literature (3)

Composition 3

ENG 102 Experiences in Writing (3)

Total Hours: 12

Students who score below 18 on the English portion of the ACT, or who earn less than a 290 on the SAT Evidenced-Based Reading and Writing, must take ENG 101 as a prerequisite for ENG 102. Students who have not provided these scores and whose average junior and senior English grades in high school were below a 2.5 must also take ENG 101 as a prerequisite for ENG 102.

Associate degrees

Students who hold an Associate of Arts Degree from an accredited institution shall be considered to have completed all but the Cornerstones requirements (FNDS 150 Foundations, REL 121 Old Testament, REL 131 New Testament, and THEO 210 Faith and Life).

COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES

Programs in the College of Education, Health and Human Sciences expand the capability of students to nurture cognitive, social, emotional, physical and spiritual growth in others in vocations to serve God and mankind.

All degrees require the completion of the general education curriculum, supplemental requirements and, if necessary, additional electives or coursework to total 120 or more hours. Concordia requires 30 extra credit hours (150 total hours) for a second degree. All degrees unless otherwise indicated must have at least a 2.00 average in the courses in their major in order to graduate with that major.

Minors are available to all students. Minors are not available in an area similar to student's major. The College of Arts offer additional minors.

DEGREES

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education

MAJORS

Behavioral Science

Christian Education Leadership

Criminal Justice

Exercise Science

Public Health and Fitness

Psychology

Recreation and Sport Studies

TESOL (Teaching English to Speakers of Other Languages)

MINORS

Coaching

Criminal Justice

Cybersecurity/Criminal Justice

Gerontology

Parish Health

Pre-Law

Psychology

Public Health

Recreation

Recreation and Sports Management

Senior Adult Fitness

Sociology

Sport Ministry

Sport Psychology

TESOL (Teaching English to Speakers of Other Languages)

TEACHER EDUCATION PROGRAMS

Early Childhood Inclusive Education

Elementary Education

Middle Level Education

Secondary and PK-12 Education

Special Education

DEPARTMENT OF EDUCATION

The Education Program at Concordia University, Nebraska strives to prepare candidates who demonstrate Christ-like attributes and who will serve as educational leaders in Lutheran, parochial, private, and public-school classrooms and parish education programs of our church and our world.

This program prepares candidates to serve as professional educators in the schools of the Lutheran Church-Missouri Synod, public schools and other private and parochial schools.

The Education Program includes the transmission of essential knowledge and the development of dispositions (attitudes) and skills needed to work in diverse schools and congregations, both nationally and internationally. Concordia's programs combine theory and practice to provide a foundation for 21st century educators who grow from novice to master teacher and leader. Education programs include Early Childhood Inclusive Education, Elementary Education, Middle Level Education, Secondary Education, K-12 Education and Special Education with additional endorsements available.

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

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

BACHELOR OF SCIENCE IN EDUCATION

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

GENERAL POLICIES

Details of Education Department policies and procedures may be located in the Education Program Handbook, which is available from the department.

Nebraska Teaching Certificate

The undergraduate Education programs at Concordia University are approved by the Nebraska Department of Education and lead to the Teaching Certificate from the State of Nebraska. All those who complete an undergraduate Education program at Concordia are prepared to teach in public schools.

The Lutheran Teacher Diploma (LTD)
(Optional)

Students who desire to be commissioned ministers who teach in schools of the Lutheran Church-Missouri Synod must earn the Lutheran Teacher Diploma, in addition to the Nebraska Teaching Certificate. The required coursework for the Lutheran Teacher Diploma includes the following: REL 121; REL 131; THEO 241, 242, 251 or 252; THEO 361; THEO 362; THEO 381. EDUC 362 is also required for Early Childhood Inclusive, Elementary, Secondary, Middle Level, and Special Education. A grade of C or above is to be attained for all LTD courses. Lutheran Teacher Diploma candidates must meet Nebraska teacher certification requirements.

The Christian Teacher Diploma (CTD)
(Optional)

Students who desire to teach in Christian parochial schools may choose to complete the Christian Teacher Diploma, in addition to the Nebraska Teaching Certificate. The required coursework for the Christian Teacher Diploma includes the following: REL 121; REL 131; THEO 241, 242, 251 or 252; PHIL 301; THEO 375, 390, 450, or 489. (REL 121 and REL 131 are also required for General Education.)

The International Teaching Diploma (ITD)
(Optional)

Students who desire to prepare for teaching in international schools may choose to complete the International Teaching Diploma, in addition to the Nebraska Teaching Certificate. The required nine hours of coursework for the International Teaching Diploma includes the following: EDUC 326; GMC 270 or 290; THEO 390, THEO 489, PS 211, SOC 201, GEOG 202 GMC 270 or GMC 290; plus two international teaching experiences to different locations (at least 30 clock hours total teaching).

EDUCATION PROGRAM ADMISSION RETENTION AND COMPLETION PROCEDURES

The Dean of Education, Health and Human Sciences is responsible for administering the education program admission, retention and completion procedures.

Students interested in the Education program should file an Academic Program Declaration form with the Registrar as soon as their freshman year.

Checkpoint One: Admission to Education Program

Students will be admitted to the Education program if the following criteria are met:

1. Completion of the Application for Admission to Teacher Education, initiated by the student during the semester in which the student is enrolled in EDPS 210 Educational Psychology and Child Development, or when transferring to Concordia.
2. Earn a cumulative 2.75 GPA or higher for all courses to be counted toward graduation.

3. Successful completion of EDUC 201 Introduction to Education and EDPS 210 Educational Psychology and Child Development with a grade of C or higher.
4. Earn a grade of C or higher in all Education prefix courses taken to date.
5. Completion of a background check and Felony/Misdemeanor Statement showing no criminal record.
6. Verification by the Student Life Office that the student is in good standing at the university and is not under disciplinary probation.
7. Completion of the Emotional/Mental Health Statement that the student is mentally and emotionally competent.
8. Pass the Admission Interview.

Checkpoint Two: Admission to Professional Semester/Student Teaching (Retention in Program)

Students will be admitted to the Professional Semester/Student Teaching if the following criteria are met:

1. Completion of the Application for the Professional Semester.
2. Earn a cumulative grade point average of 2.75 or higher for all courses to be counted toward graduation.
3. Successfully complete all Education prefix courses prior to the Professional Semester with a grade of C or higher.
4. Attempt the Praxis Content Test for your applicable endorsement area (not required to pass). Students earning more than one endorsement are encouraged to take the Praxis II for all applicable endorsement areas but are only required to take one.
5. Completion of a background check and Felony/Misdemeanor Statement showing no criminal record.
6. Successful completion of 100 clock hours of field experience and documentation of these hours submitted to the Field Experience Office.
7. Completion of the Emotional/Mental Health Statement that the student is mentally and emotionally competent.
8. Verification by the Student Life Office that the student is in good standing at the university and is not under disciplinary probation.

Checkpoint Three: Program Completion

Students will successfully complete the Education program if the following criteria are met:

1. Earn a passing grade in the Professional Semester/Student Teaching, including all assessments required by Concordia.
2. Successfully complete all required coursework for the Bachelor of Science in Education and all endorsements.
3. Earn a cumulative GPA of 2.75 or higher for all courses to be counted toward graduation.
4. Successfully complete all Education prefix courses with a grade of C or higher prior to the Professional Semester.

*Lutheran Teacher Diploma candidates must meet Nebraska teacher certification requirements.

APPROVAL FOR NEBRASKA TEACHING CERTIFICATE

- Students must successfully complete the BS Education with all requirements in Checkpoints One, Two and Three.
- Students must complete the application process for Nebraska Teaching Certificate.

APPROVAL FOR PLACEMENT OF LUTHERAN TEACHER DIPLOMA (LTD) CANDIDATES

Students will be eligible for placement in a school of the Lutheran Church-Missouri Synod if the following criteria are met:

1. Successfully complete the Education Program, including all courses required for the LTD.
2. Meet with the Placement Director.
3. Complete the required placement documents and submit them to the Placement Director.
4. Be approved by the faculty of Concordia for placements.

BACHELOR'S TO MASTER'S PROGRAM

SCHOOL COUNSELING

The Bachelor's to Master's in School Counseling program is established for those undergraduates who desire to begin the Master of Arts in School Counseling while completing a Bachelor's degree. Students should work with advisors to complete the application and registration forms. Admitted students may enroll in the following courses while an undergraduate:

COU 501 Foundations of School Counseling
COU 502 Ethical and Legal Issues in School Counseling
COU 503 Counseling Diverse Populations
COU 510 Counseling Techniques and Theories
COU 515 Group Theory & Counseling*
COU 550 Abnormal Psychology**

*May also receive credit for PSY 341 Group Techniques

**May also receive credit for PSY 445 Abnormal Psychology

Contact the Department of Education for more information. For complete requirements in the Master's in School Counseling see the Graduate and Adult Education academic catalog.

EDUCATION

The Bachelor's to Master's in Education program is established for those undergraduates who desire to begin the Master of Education degree while completing a Bachelor of Science in Education degree.

Students should work with advisors to complete the application and registration forms. Admitted students may enroll in the following courses while an undergraduate:

EDUC 501 Contemporary Thought in Education
EDUC 506 Integrating Technology into the Classroom
EDUC 519 Word Study: Decoding, Comp. & Fluency

EDUC 551 Curriculum Design & Evaluation
EDUC 565 The Young Child: Language & Literacy Dev.
EDUC 566 Reading in Middle and Secondary Schools
EDUC 576 Behavior Management in Inclusive Settings
EDUC 593 Basic Found. of SpEd & Inclusive Practices
EDUC 602 History & Context of Early Child. SpEd
EDUC 635 Survey of Contemporary Literature, PK-12
PSY 511 Psychological Foundations of Teach. & Learn.

Contact the Department of Education for more information. For complete requirements in the Master's of Education see the Graduate and Adult Education academic catalog.

EARLY CHILDHOOD INCLUSIVE PROGRAM

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

1. General Education

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

2. Education Foundations

Required of all Teacher Education students.

Course Number/Title	Credit Hours
EDUC 201 Introduction to Education+	3
EDPS 210 Educational Psychology and Child Development	3
EDUC 224 Teaching Exceptional Learners	3
EDUC 225 Diverse Classrooms & Human Relations	3
EDUC 351 Service in Public Schools+	2
or THEO 381 Christian Teacher's Ministry+	

Total Hours: 14

3. Birth – 3rd Early Childhood / Special Education Content Courses

Course Number/Title	Credit Hours
ASL 101 American Sign Language	3
EDUC 304 Fine Arts Across the Curriculum in Early Childhood and Elementary Classroom	3
EDUC 314 Assessment, Evaluation, and IEP+	3
EDUC 315 Behavior Disorders and Intervention+	3
EDUC 316 Teaching Students with Moderate Disabilities+	3
EDUC 317 Teaching Students with Mild Disabilities+	3
EDUC 324E Instruction and Assessment in Elem/ML+	3
EDUC 330 ECE Foundations and Programs	3
EDUC 333 Science, Soc. Studies & Math Methods for K-3rd+	3
EDUC 346E Instructional Technology	2
EDUC 397 Children's Literature	3
EDUC 461 Literacy Instruction, Assessment & Intervention+	6

Total Hours: 38

4. Birth to Kindergarten Concentration

Course Number/Title	Credit Hours
EDUC 212 Developmental Assessment+	2
EDUC 331 Infants & Toddlers: Dvlpmt., Curriculum & Teach. +	3
EDUC 332 Early Childhood Curriculum and Methods+	3
EDUC 430 Families, Schools and Communities+	1
EDUC 452 Early Childhood Program Organization & Mgmt.+	3

Total Hours: 12

5. Professional Semester

Course Number/Title	Credit Hours
EDUC 433 Early Childhood & Elementary ST Seminar+	1
EDUC 472A Clinical Exp.: Early Childhood Incl. ST I+	6
EDUC 472B Clinical Exp.: Early Childhood Incl. ST II+	6

Total Hours: 13

6. Lutheran Teacher Diploma (Optional)

Required of all students in Lutheran Education. Must be an active member of a Lutheran Church.

Course Number/Title	Credit Hours
EDUC 362 Teaching the Christian Faith	2
THEO 241/242/251/252 Biblical Interpretation	3
THEO 361 Doctrine and Confessions I	3
THEO 362 Doctrine and Confessions II	3
THEO 381 Christian Teacher's Ministry	2

Total Hours: 13

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 (Optional)

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

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

Total Hours: 9

*Biblical Interpretation is a prerequisite for THEO 450.

8. International Teacher Diploma (Optional)

Available to any Education candidate interested in teaching in an international school setting. Two international teaching experiences to different locations (at least 30 clock hours total teaching) are required.

Course Number/Title	Credit Hours
EDUC 326 Language and Culture	3
Choose one course from:	3
GMC 270 Mission of God (3)	
GMC 290 Cross-Cultural Perspectives (3)	

Choose one course from:	3

GEOG 202 World Regional Geography (3)
GMC 270 Mission of God (3)
GMC 280 Missional Leadership (3)
GMC 290 Cross-Cultural Perspectives (3)
PS 211 Global Issues (3)
SOC 201 Cultural Anthropology (3)
THEO 390 World Religions (3)
THEO 489 Ministry in a Changing World (3)

Total Hours: 9

EARLY CHILDHOOD EDUCATIONAL STUDIES

Educational Studies is only available to students with permission from the Dean of the College of Education, Health and Human Sciences. It requires that a student successfully completes 30 credit hours of education coursework. Students who receive this degree will not be eligible for teacher certification. It will not result in a student being eligible to teach in a classroom position after graduation.

ELEMENTARY EDUCATION PROGRAM

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

1. General Education

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

2. Education Foundations

Required of all Teacher Education students

Course Number/Title	Credit Hours
EDUC 201 Introduction to Education	3
EDPS 210 Educational Psychology and Child Development	3
EDUC 224 Teaching Exceptional Learners	3
EDUC 225 Diverse Classrooms & Human Relations	3
EDUC 351 Service in Public Schools+	2
or THEO 381 Christian Teacher's Ministry+	

Total Hours: 14

3. Elementary Education Courses

Course Number/Title	Credit Hours
EDUC 304 Fine Arts Across the Curriculum in Early Childhood and Elementary Classrooms	3
EDUC 359 Health/PE Methods in Elementary Classroom	2
MATH 301 Concepts of Mathematics II	3
or MATH 305 Math for Elementary/Middle-level Teachers	
EDUC 397 Children's Literature for Teachers	3
EDUC 346E Instructional Technology	2
EDUC 324E Instruction and Assessment in Elem. & ML+	3
EDUC 403 Evidence-Based Strategies and Interventions+	3
EDUC 405 Math Methods for Elem. & Middle level Classroom+	3
EDUC 406 Science Methods for Elem. & Mid. level Classroom+	2
EDUC 408 SS Methods for Elem.& Mid. level Classroom+	2
EDUC 431E Class Organiz. & Leadership for Elem. and ML+	2
EDUC 461 Literacy Instruction, Assessment & Intervention+	6

Total Hours: 34

4. Professional Semester

Course Number/Title	Credit Hours
EDUC 433 Elementary Childhood & Elementary ST Seminar+	1
EDUC 473A Clinical Experience: Elementary ST I+	6
EDUC 473B Clinical Experience: Elementary ST II+	6

Total Hours: 13

5. Lutheran Teacher Diploma (Optional)

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

Course	Credit Hours
EDUC 362 Teaching the Christian Faith	2
THEO 241/242/251/252 Biblical Interpretation	3
THEO 361 Doctrine and Confessions I	3
THEO 362 Doctrine and Confessions II	3
THEO 381Christian Teacher's Ministry	2

Total Hours: 13

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

6. Christian Teacher Diploma (Optional)

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

Course Number/Title	Credit Hours
Choose 9 hours from:	9

PHIL 301 Concepts in Philosophy (3)
THEO 241/242/251/252 Biblical Interpretation (3)
THEO 375 Christian Denominations & Religious Move. (3)
THEO 390 World Religions (3)
THEO 450 Understanding & Teaching the Bible (3)*
THEO 465 Christian Ethics (3)
THEO 482 Nurturing Faith Family, School, Congregations (3)
THEO 489 Ministry in a Changing World (3)

Total Hours: 9

*Biblical Interpretation is a prerequisite for THEO 450.

7. International Teacher Diploma (Optional)

Available to any Education candidate interested in teaching in an international school setting. Two international teaching experiences to different locations (at least 30 clock hours total teaching) are required.

Course Number/Title	Credit Hours
EDUC 326 Language and Culture	3
Choose one course from:	3

GMC 270 Mission of God (3)
GMC 290 Cross-Cultural Perspectives (3)

Choose one course from:	3

GEOG 202 World Regional Geography (3)
GMC 270 Mission of God (3)

GMC 280 Missional Leadership (3)
GMC 290 Cross-Cultural Perspectives (3)
PS 211 Global Issues (3)
SOC 201 Cultural Anthropology (3)
THEO 390 World Religions (3)
THEO 489 Ministry in a Changing World (3)

Total Hours: 9

8. Elementary Endorsement/Concentration

The student will select an endorsement or concentration option to complete their program.

ENDORSEMENT COURSEWORK

American Sign Language

Course Number/Title	Credit Hours
ASL 101 Beginning ASL I	3
ASL 102 Beginning ASL II	3
ASL 150, 250, 350 or 450 Special Topics in ASL	3
ASL 201 Intermediate ASL I	3
ASL 202 Intermediate ASL II	3
ASL 490 ASL Practicum	3

Total Hours: 18

Christian Educational Leadership

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

Total Hours: 30

Coaching

Course Number/Title	Credit Hours
HHP 182 First Aid and CPR	1
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 268 Programs in Strength and Conditioning	2
HHP 298 Theory of Coaching	2
HHP 362 Internship in Coaching	2-3
HHP/BIO 385 Physiology of Exercise	3
HHP 463 Psychology of Coaching	3
HHP 491 Management of Recreation and Sports	3
One course from:	2

HHP 320 Sport Officiating
HHP 321 Coaching of Football
HHP 322 Coaching of Basketball
HHP 323 Coaching of Softball/Baseball
HHP 324 Coaching of Wrestling
HHP 325 Coaching of Track
HHP 326 Coaching of Soccer
HHP 327 Coaching of Volleyball

*BIO 243 can serve as the prerequisite for HHP/BIO 385 and fulfill the Living Stones Life Sciences General Education Curriculum requirement.

Total Hours: 18

Early Childhood

Course Number/Title	Credit Hours
EDUC 212 Developmental Assessment+	2
EDUC 304 Fine Arts Across the Curriculum in Early Childhood and Elementary Classrooms	3
EDUC 330 ECE Foundations and Programs	3
EDUC 331 Infants & Toddlers: Devl., Curriculum & Teaching	2
EDUC 332 Early Childhood Curriculum and Methods+	3
EDUC 333 Science, Soc. Studies & Math Methods for K-3rd+	3
EDUC 430 Families, Schools and Communities+	1
EDUC 452 Early Childhood Program Org. & Mngmnt. +	3

Total Hours: 20

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

English as a Second Language

Course Number/Title	Credit Hours
EDUC 225 Diverse Classrooms and Human Relations	3
EDUC 323 Linguistics for Educators	3
EDUC 425 ESL/Instruction, Curriculum and Assessment	3
EDUC 326 Language and Culture	3
EDUC 478 ESL Student Teaching	3

Total Hours: 15

Information Technology

Course Number/Title	Credit Hours
CS 131 Computer Science I	4
CS 141 Computer Science II	3
CS 211 Seminar in Information Technology	3
CS 310 Systems Administration	3
BUS 371 Information Systems	3

Total Hours: 16

Middle Level

Contact the Middle Level Director if considering this option.

Course Number/Title	Credit Hours
EDUC 211 Middle Level: Philosophy, Theory, Practice	2
EDUC 324E Instruction and Assessment in Elem & ML+	3
EDUC 364 Middle Level Core Subject Methods +	3
PSY 421 Adolescent Psychology	3
EDUC 431E Class Organiz. & Leadership for Elem & ML+	2
Content Area coursework (Math, SS, LA, Science)	24

Total Hours: 37

Special Education

Course Number/Title	Credit Hours
ASL 101 Beginning American Sign Language	3
EDUC 224 Teaching Exceptional Learners	*3*

EDUC 225 Diverse Classrooms and Human Relations	*3*
EDUC 314 Assessment, Evaluation and IEP+	3
EDUC 315 Behavior Disorders and Intervention+	3
EDUC 316 Teaching Students with Moderate Disabilities+	3
EDUC 317 Teaching Students with Mild Disabilities+	3
EDUC 318A Special Education Instructional Methods+	3
EDUC 324E Instruction & Assessment in Elem and ML+	*3*
EDUC 403 Evidence-Based Strategies & Interventions+	*3*
EDUC 461 Literacy Instruction, Assessment, & Intervention+	*6*
HHP 471 Adapted Physical Activity	3
PSY 445 Abnormal Psychology	3

Additional Requirements:

EDUC 479 Clinical Experience: Element. Special Educ ST+	6

Italicized courses are also part of the Education Foundations or Elementary Endorsement course requirements.

Total Hours: 30 (42)

CONCENTRATION COURSEWORK

Three hours of coursework in each concentration can be doubled as General Education courses. Italicized courses are part of the Education core or Elementary Endorsement.

Art

Course Number/Title	Credit Hours
ART 101 Fundamentals of Art*	3
ART 103 Studio I – Observational Drawing*	3
ART 145 Digital Imaging	3
ART 205 Three-Dimensional Design	3
ART 223 Water Based Media	3
ART 242 Ceramics- Hand Building and Slip Casting	3

*Fine Art General Education

Total Hours 18

General Science

Course Number/Title	Credit Hours
One course from Biology:	3-4
BIO 122 General Zoology (3)	
BIO 244 Nutrition (3)	
BIO 207 Human Genetics (3)	
BIO 243 Elements of Anatomy & Physiology (3)	
BIO 345 Midwest Floral Identification (3)	
One course from Chemistry:	3-4
CHEM 109 Introduction to Chemistry (3)	
CHEM 115 General Chemistry I (4)	
One course from Physics:	3-4
PHYS 109 Introductory Physics (3)	
PHYS 111 General Physics (4)	
One course from Science:	1-3
SCI 202 Science of Everyday Things (3)	
SCI 315 Environmental Science (3)	
SCI 331 Descriptive Astronomy (3)	
SCI 365 Science and Society (1)	
SCI 381 Meteorology (3)	

Complete additional coursework listed above to reach a minimum of 18 hours.

Total Hours: 18

Language Arts

Course Number/Title	Credit Hours
ENG 221 Intermediate Writing	3
EDUC 323 Linguistics for Educators	3
ENG 392 Reading Interests of Young Adolescents	3
Two courses from:	6
American Literature (ENG 341, 342, 343)	
British Literature (ENG 362, 363, 364)	
World Literature (ENG 381, 382, 384)	
ENG 366 Shakespeare	
One course from:	3
CTA 154 Creative Drama	
CTA 254 Improvisation as Outreach	
CTA 203 Communication Theory	

Note: ENG 324 The Writing of Place or The New England Study Tour may be substituted for any English course, preferably American Literature. ENG 361 The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare.

Total Hours: 18

Mathematics

Course Number/Title	Credit Hours
MATH 122 Introduction to Statistics Or MATH 128 Introduction to Data Science	3
MATH 132 College Algebra	3
MATH 142 Survey of Contemporary Math	3
MATH 182 Calculus with Applications	3
MATH 305 Math for Elementary/Middle-level Teachers	3
Select any other MATH course or EDUC 374 Secondary Math Methods	3

Total Hours 18

Modern Language (Spanish, Mandarin, ASL)

15 hours of an approved, specific sequence of courses in the language, plus EDUC 367 Methods in Secondary World Language (3 hrs.). Specific courses will vary, depending on the students' preparation.

Total Hours: 18

Multidisciplinary

For transfer students only. Must include 18 hours of approved coursework, which can include transfer credit, with at least 9 hours of coursework focused towards a specific subject area.

Total Hours: 18

Music

Course Number/Title	Credit Hours
MU 102 Aural Skills I	1
MU 103 Music Theory I	3
MU 104 Aural Skills II	1
MU 105 Music Theory II	3
MU 251 Conducting I	2

MUED 201 Introduction to Music Education	3
MUED 301 Elementary Music Methods	3
MUAP x51 Applied Music: Voice	1
MUAP x71 Applied Music: Piano	2
Ensembles (four semesters)	4
Choose from:	
MU 232 Male Chorus	
MU 233 Cantamus	
MU 234 Mixed Chorus	
MU 236 University A Cappella Choir	
MU 241 University Wind Symphony	
MU 242 University Band	

Students should schedule an ensemble audition, if required, and an applied music placement exam with the music office.

*Ensembles may be taken for zero hours. The number of hours is reduced by up to 4 if ensembles are taken for zero hours.

Total Hours: 23

Physical Education

Course Number/Title	Credit Hours
HHP 100 Lifetime Wellness	1
HHP 182 First Aid and CPR	1
HHP 228 Programs in Sports	3
HHP 248 Programs in Leisure/Adventure Activities	2
HHP 273 Motor Learning and Development	3
HHP/EDUC 366 Health Methods	2
HHP/EDUC 376 PE Methods and Curriculum Design	3
HHP 471 Adapted Physical Activity	3
BIO 243 Elements of Human Anatomy and Physiology	3

Total Hours 21

Social Studies

Course Number/Title	Credit Hours
Choose two History courses from:	6
HIST 115 United States History	
HIST 131 World Civilization I	
HIST 132 World Civilization II	
Choose two Geography courses from:	6
GEOG 101 Introduction to Human Geography	
GEOG 202 World Regional Geography	
GEOG 311 Geography of North America	
Choose one course from:	3
ECON 101 Macroeconomics	
ECON 102 Microeconomics	
PS 111 American Government	
PS 211 Global Issues	
Choose one course from:	3
PSY 101 Introduction to Psychology	
PSY 221 Lifespan Development	
SOC 101 Introduction to Sociology	
SOC 331 The Family	

Total Hours: 18

Note: Minors including World and Intercultural Studies, Missional Leadership, Classical Liberal Arts, Psychology, Art, Music, or Spanish will be accepted as an Elementary Education concentration. Other Minors may be accepted with special permission.

ELEMENTARY EDUCATIONAL STUDIES

Educational Studies is only available to students with permission from the Dean of the College of Education, Health and Human Sciences. It requires that a student successfully completes 30 credit hours of education coursework. Students who receive this degree will not be eligible for teacher certification. It will not result in a student being eligible to teach in a classroom position after graduation.

MIDDLE LEVEL EDUCATION PROGRAM

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

1. General Education

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

2. Education Foundations

Required of all Teacher Education students.

Course Number/Title	Credit Hours
EDUC 201 Introduction to Education	3
EDPS 210 Educational Psychology and Child Development	3
EDUC 224 Teaching Exceptional Learners	3
EDUC 225 Diverse Classrooms & Human Relations	3
EDUC 351 Service in Public Schools+	2
or THEO 381 Christian Teacher's Ministry+	

Total Hours: 14

3. Middle Level Courses

Required of all Middle Level Education students.

Course Number/Title	Credit Hours
EDUC 211 Middle Level: Philosophy, Theory, Practice	2
EDUC 324S Instruction and Assessment+	3
EDUC 346E/S Instructional Technology	2
EDUC 364 Middle Level Core Subject Methods+	3
EDUC 431S Classroom Organization and Leadership+	2
EDUC 438 Evidenced-Based Literacy Strategies for the Middle-Level/Secondary Classroom+	1
PSY 421 Adolescent Psychology	3
Content area coursework I	24
Content area coursework II	24

Total Hours: 64

4. Professional Semester

Course Number/Title	Credit Hours
EDUC 435 PK-12, Middle Level& Secondary ST Seminar+	1
EDUC 474A Clinical Exp: ML Student Teaching+	6
EDUC 474B Clinical Exp: ML Student Teaching+	6

Total Hours: 13

5. Middle Level Content Teaching Areas

The Middle-Level Education program requires students to choose two content areas of endorsement. Middle-Level Content Teaching Area I (24 hours) ** Select from Literacy (English Language Arts), Mathematics, Natural Sciences, and Social Studies.

Middle-Level Content Teaching Area II (24 hours) ** Spanish or PE may be chosen in addition to Literacy (English Language Arts), Math, Science, and Social Studies.

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

6. Lutheran Teacher Diploma (Optional)

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

Course Number/Title	Credit Hours
EDUC 362 Teaching the Christian Faith	2
THEO 241/242/251/252 Biblical Interpretation	3
THEO 361 Doctrine and Confessions I	3
THEO 362 Doctrine and Confessions II	3
THEO 381 Christian Teacher's Ministry	2

Total Hours: 13

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 (Optional)

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

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

Total Hours: 9

*Biblical Interpretation is a prerequisite for THEO 450.

8. International Teacher Diploma (Optional)

Available to any Education candidate interested in teaching in an international school setting. Two international teaching experiences to different locations (at least 30 clock hours total teaching) are required.

Course Number/Title	Credit Hours
EDUC 326 Language and Culture	3
Choose one course from:	3
GMC 270 Mission of God (3)	
GMC 290 Cross-Cultural Perspectives (3)	
GEOG 202 World Regional Geography (3)	
GMC 270 Mission of God (3)	
GMC 280 Missional Leadership (3)	
GMC 290 Cross-Cultural Perspectives (3)	
PS 211 Global Issues (3)	
SOC 201 Cultural Anthropology (3)	
THEO 390 World Religions (3)	
THEO 489 Ministry in a Changing World (3)	

Total Hours: 9

MIDDLE LEVEL CONTENT TEACHING AREAS

Literacy (English Language Arts)

Course Number/Title	Credit Hours
CTA 152 or 154 Basic Acting Technique/Creative Drama	3
ENG 102 Experiences in Writing	3
ENG 201 Introduction to Literature	3
ENG 392 Reading Interests of Young Adolescents	3
EDUC 371 Methods in Middle Level/Secondary English	3
Choose 9 hours from the following courses listed.	9
CTA 203 Communication Theory * (3)	
EDUC 326 Language and Culture (3)	
EDUC 397 Children's Literature for Teachers (3)	
EDUC 425 English as a Second Language Instruction, Curriculum, and Assessment (3)	
EDUC 461 Literacy Instruction, Assessment, and Intervention (6)	
ENG 221 Intermediate Writing * (3) or EDUC 323 Linguistics for Educators (3)	
ENG 231 Studies in the English Language* (3)	
ENG 341, ENG 342, or ENG 343 (American English I, II, III) * (3)	
ENG 362, 363, or 364 (British Literature I, II, III) * (3)	

Total Hours: 24

*Recommended courses for English Language Arts program emphasis.

Health and Physical Education

Course Number/Title	Credit Hours
BIO 243 Elements Human Anatomy and Physiology	3
HHP 100 Lifetime Wellness	1
HHP 182 First Aid and CPR	1
HHP 228 Programs in Individual, Dual, Team Sports	3
HHP 248 Program in Leisure or HHP 268 Programs in Strength & Conditioning	2
HHP 273 Motor Learning and Development	3
HHP 281, 282, 284 or 285 Health Topics* [Pick 2]	2
HHP/EDUC 366 Health Methods	2
HHP/EDUC 376 PE Methods & Curriculum Design	3
HHP 471 Adapted Physical Activity	3
Two Activity Courses (2 different areas – Ind/Dual, Team, Fitness, Leisure)	1

Total Hours: 24

Mathematics

Course Number/Title	Credit Hours
MATH 252: Mathematical Structures	3
MATH 305: Math for Elementary/Middle-level Teachers	3
or	
MATH 201: Concepts of Math and	3
MATH 301: Concepts of Math II	3
EDUC 374: Secondary Math Methods	3

Choose from the following courses listed for a total of 24+ credit hours.

MATH 122: Intro to Statistics*	3
MATH 128: Intro to Data Science	3
MATH 132: College Algebra*	3
MATH 142: Survey of Contemporary Math*	3
MATH 182: Calculus with Applications **	3
MATH 184: Calculus I	4
MATH 186: Calculus II	4
MATH 305: Math for Elementary/Middle-level Teachers	3
MATH 332: Abstract Algebra	3
MATH 333: Linear Algebra	3
MATH 365: Geometry	3
MATH 382: Real Analysis	3
MATH 384: Differential Equations	3

* Recommended course

** Recommended course, unless previously taken in high school

Total Hours: 24-25

Science

Course Number/Title	Credit Hours
EDUC 373: Methods in Secondary Science	3
or EDUC 406 Science Methods for Elem. Classroom	2

Choose seven Science courses from the following courses listed, for a total of 22 or more hours. Select at least one from each of the following categories: life science, physical science, earth/space science. 22

Life Science courses. Choose at least one course in this area. One course must include a lab. Options include, but are not limited to:

- AGRI 102: Food, Animal, and Crop Production Science (4)
- BIO 110: Principles of Biology* (3)
- BIO 111: General Biology I (4)
- BIO 112: General Biology II (4)
- BIO 141: General Plant Biology (3)
- BIO 222: Entomology (3)
- BIO 243: Elements of Human Anatomy and Physiology (3)
- BIO 244: Nutrition (3)

Physical Science courses. Choose at least two courses – one Chemistry and one Physics from this list. One course must include a lab. Options include, but are not limited to:

- CHEM 109: Introductory Chemistry (3)
- CHEM 115: General Chemistry I* (4)
- CHEM 116: General Chemistry II (4)
- PHYS 109: Introductory Physics (3)
- PHYS 110: Principles of Physics* (4)
- PHYS 111: General Physics I (4)
- PHYS 112: General Physics II (4)
- SCI 351/PHYS 351: Classroom Activities in Physical Science (3)

Earth/Space Science courses. Choose at least one course. One course must include a lab. Options include, but are not limited to:

- SCI 202: Science of Everyday Things (3)
- SCI 282 Geology (3)
- SCI 281/GEOG 281: Physical Geography *(4)
- SCI 331/GEOG 331: Descriptive Astronomy* (3)
- SCI 315/GEOG 315: Environmental Science (3)
- SCI 381/GEOG 381: Meteorology * (3)

*Recommended course

** Total coursework must equal a minimum of 24 credit hours.

Total Hours: 24- 25

Social Studies

Course Number/Title	Credit Hours
HIST 115 United States History	3
HIST 131: World Civilization I	3
HIST 132 World Civilization II	3
PS 111: American Government	3
EDUC 372: Methods in Secondary Social Sciences	3

Choose three additional courses from the following list of courses. Select at least one from each of the following categories.

Economics courses (Choose at least one course in this area.)

ECON 101 Principles of Macroeconomics	3
ECON 102 Principles of Microeconomics	3

Geography courses (Choose at least one course in this area.) Options include, but are not limited to:

GEO 101: Introduction to Geography	3
GEO 202: World Regional Geography	3
GEOG 281: Physical Geography	4
GEOG 311: Geography of North America	3
GEOG 315: Environmental Science	3

Choose from one of the following courses. (Choose at least one course in this area.)

PSYCH 101: Introduction to Psychology	3
SOC 101: Introduction to Sociology	3
HIST 313: Religion and Society in the United States	3

Total Hours: 24-25

Spanish

21 hours of an approved, specific sequence of courses in Spanish, plus EDUC 367 Methods in Secondary World Languages. Specific courses will vary, depending on the student's prior studies of Spanish. For example, students with 3-4 years of Spanish in high school may be able to enroll directly in SPAN 201.

Course Number/Title	Credit Hours
Select from:	21

- SPAN 101 Beginning Spanish I (3)
- SPAN 102 Beginning Spanish II (3)
- SPAN 201 Intermediate Spanish I (3)
- SPAN 202 Intermediate Spanish II (3)

SPAN 203 Intensive Conversation (3)
SPAN 204 Intensive Composition (3)
SPAN 305 Adv. Spanish Grammar and Com. (3)
SPAN 307 Spanish Intensive Language Seminar (3)
SPAN 321 Spanish Civilization and Culture (3)
SPAN 331 Latin American Culture (3)
SPAN 341 Introduction to Hispanic Literature (3)
SPAN 342 Intro to the Analysis of Hispanic Lit. (3)
SPAN 399 Independent Study (3)
EDUC 367 Methods in Secondary World Languages 3

Total Hours: 24

NOTE: Middle Level is also available as a subject area for Secondary Education and an Endorsement in Elementary Education.

MIDDLE LEVEL EDUCATIONAL STUDIES

Educational Studies is only available to students with permission from the Dean of the College of Education, Health and Human Sciences. It requires that a student successfully completes 30 credit hours of education coursework. Students who receive this degree will not be eligible for teacher certification. It will not result in a student being eligible to teach in a classroom position after graduation.

SECONDARY AND PK-12 EDUCATION PROGRAMS

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

1. General Education

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

2. Education Foundations

Required of all Teacher Education students.

Course Number/Title	Credit Hours
EDUC 201 Introduction to Education	3
EDPS 210 Educational Psychology and Child Development	3
EDUC 224 Teaching Exceptional Learners	3
EDUC 225 Diverse Classrooms and Human Relations	3
EDUC 351 Service in Public Schools+	2
or THEO 381 Christian Teacher's Ministry+	

Total Hours: 14

3. Secondary/PK-12 Courses

Required of all Secondary and K-12 Education students.

Course Number/Title	Credit Hours
EDUC 324S Instruction and Assessment+	3
EDUC 346S Instructional Technology	2
EDUC 367-379 Secondary Methods+	3-6
EDUC 431S Classroom Organization and Leadership+	2
EDUC 438 Evidence-Based Literacy Strategies for the Middle Level/Secondary Classroom	1
PSY 421 Adolescent Psychology	3

Total Hours: 14-17

4. Professional Semester

Course Number/Title	Credit Hours
EDUC 435 PK-12, Middle level & Secondary ST Seminar+	1
And either:	
EDUC 475A Clinical Exp: Secondary Student Teaching+	6
EDUC 475B Clinical Exp: Secondary Student Teaching+	6
or:	
EDUC 476A Clinical Exp. PK-12 Student Teaching+	6
EDUC 476B Clinical Exp. PK-12 Student Teaching+	6

Total Hours: 13

5. Endorsement(s)

Secondary Education Majors are required to select at least one Field Endorsement OR one Subject Endorsement. If choosing to complete a subject endorsement, selecting more than one, or adding a supplemental endorsement, is strongly recommended by the Education Department.

6. Lutheran Teacher Diploma (Optional)

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

Course Number/Title	Credit Hours
THEO 241/242/251/252 Biblical Interpretation	3
THEO 361 Doctrine and Confessions I	3
THEO 362 Doctrine and Confessions II	3
EDUC 362 Teaching the Christian Faith (MUED majors take CHMU 313 or 411)	2-3
THEO 381 Christian Teacher's Ministry	2

Total Hours: 13-14

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 (Optional)

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

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

Total Hours: 9

*Biblical Interpretation is a prerequisite for THEO 450.

8. International Teacher Diploma (Optional)

Available to any Education candidate interested in teaching in an international school setting. Two international teaching experiences to different locations (at least 30 clock hours total teaching) are required.

Course Number/Title	Credit Hours
EDUC 326 Language and Culture	3
Choose one course from:	3
GMC 270 Mission of God (3)	
GMC 290 Cross-Cultural Perspectives (3)	
Choose one course from:	3
GEOG 202 World Regional Geography (3)	
GMC 270 Mission of God (3)	
GMC 280 Missional Leadership (3)	
GMC 290 Cross-Cultural Perspectives (3)	
PS 211 Global Issues (3)	
SOC 201 Cultural Anthropology (3)	
THEO 390 World Religions (3)	
THEO 489 Ministry in a Changing World (3)	

Total Hours: 9

SECONDARY FIELD ENDORSEMENTS

Agricultural Education

Course Number/Title	Credit Hours
AGRI 101 Food Animal and Crop Prod. and Econ. Systems	4
AGRI 102 Food Animal and Crop Production Science	4
EDUC 202 Inro to Agri Education and Experiential Learning	3
AGRI 210 Nature and Properties of Soils	4
AGRI 215 Grain, Oil Seed, horticulture & Forage Crop Prod	3
AGRI 220 Animal Production and Management	3
AGRI 230 Fundamentals of Farm & Ranch Management	4
AGRI 340 Food Products, Processing and Safety	3
EDUC 370 Methods in Agricultural Education +	3
EDUC 349 Career Education and Supervision	3
EDUC 302 Ag Education Program & Curriculum Design	3
EDUC 402 Ag Education Lab Instructions, Methods & Mngt	3
AGRI 390 Ag Field Experience	1-3
Welding (available at SCC)	4
Small Engines (available at SCC)	3
Basic Woods Manufacturing (available at SCC) (3) or Construction Basics (available at SCC) (3)	3

BIO 111 is a prerequisite in this program and fulfills the science general education requirement.
ECON 102 is a prerequisite in this program and fulfills the social science general education requirement.
BUS 121 is a prerequisite in this program.

Total Hours: 51-53

Art (PK-12 Certification)

Course Number/Title	Credit Hours
ART 103 Studio I – Observational Drawing	3
ART 145 Digital Imaging	3
ART 161 Visual Studies	3
ART 190 Graphic Design	3
ART 203 Two-Dimensional Design*	3
ART 205 Three-Dimensional Design	3
ART 223 Water Based Media	3
ART 235 Digital Photography	3
ART 242 Ceramics – Hand Building and Slip Casting	3
ART 271 Art History I	3
ART 272 Art History II	3
ART 273 Art History III	3
ART 301 Methods of Art Education	2
ART 315 Printmaking	3
ART 325 Painting	3
ART 345 Sculpture	3
ART 489 Portfolio and the Art Vocation	3
EDUC 377 is the methods course for this endorsement. +	3

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

Total Hours: 53

Business, Marketing and Information Technology

Course Number/Title	Credit Hours
Business Administration (28 hours)	
BUS 121 Financial Accounting	3
BUS 122 Managerial Accounting	3
BUS 261 Marketing	3
BUS 281 Business Communication	3
BUS 300 Business Law	3
BUS 325 Accounting and Information Systems	4
BUS 331 Finance	3
BUS 369 International Business	3
BUS 446 Strategic Management	3
Marketing (6 hours)	
Choose two courses from:	6
BUS 111 Entrepreneurship Foundations (3)	
BUS 362 Advertising and Integrated Marketing Comm. (3)	
BUS 363 Sales and Sales Management (3)	
BUS 364 Consumer Behavior (3)	
BUS 366 Marketing Research (3)	
CTA 285 Social Media (3)	
Information Technology (9 hours)	
CS 131 Computer Science I	4
EDUC 346S Instructional Technology	2
CS 314 Applications Development	3
Coordination & Supervision of Work-Based Learning (3 hours)	
EDUC 349 Career Education and Supervision	3
Work Experience (3 hours)	
BUS 399 Internship	3

The Work Experience requirement may be met by BUS 399 with at least 300 hours of supervised work experience. Alternatively, a student may complete 1000 verified hours of volunteer or paid work experience and take a business elective to reach 52 credits.

Methods (3 hours)	
EDUC 369 Methods in Secondary Business Education+	3

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

Total Hours: 52

English Language Arts

Course Number/Title	Credit Hours
ENG 221 Intermediate Writing	3
ENG 231 Studies in the English Language	3
One course from:	3
ENG 229 Writing for the Stage (3) ENG 324 The Writing of Place (3) ENG 326 Poetry Writing (3) ENG 327 Fiction Writing (3) ENG 328 Creative Nonfiction Writing (3)	
One course from:	3
ENG 341 American Literature I (3) ENG 342 American Literature II (3) ENG 343 American Literature III (3)	
One course from:	3
ENG 362 British Literature I (3) ENG 363 British Literature II (3) ENG 364 British Literature III (3)	
ENG 366 Shakespeare	3
One course from:	3
ENG 381 World Literature I (3) ENG 382 World Literature II (3) ENG 384 World Literature III (3)	
ENG 392 Reading Interests of Adolescents	3
ENG 431 English Language and Linguistics	3
CTA 152 Basic Acting Technique	3
CTA 153 Theatre History*	3
CTA 200 Forensics or CTA 211 Public Speaking	3
CTA 225 Writing and Reporting or CTA 241 Media Literacy	3
CTA 373 Play Production	3
One course from:	3
CTA 203 Communication Theory (3) CTA 231 Oral Interpretation (3) CTA 233 Stage, Scenery, Lighting & Sound (3) CTA 302 Rhetorical Theory (3) CTA 306 Interpersonal Communication (3) CTA 333 Intercultural Communication (3)	
EDUC 371 is the methods course for this endorsement. +	3

*CTA 153 fulfills 3 hours of fine arts/humanities' general education requirement.

Note: The New England Study Tour may be substituted for any English course, preferably American Literature. The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare.

Total Hours: 48

Mathematics

Course Number/Title	Credit Hours
MATH 184 Calculus I*	4
MATH 186 Calculus II	4
MATH 252 Mathematical Structures	3
MATH 284 Calculus III	4
MATH 322 Foundations of Statistics	3
MATH 348 Discrete Mathematics	3
MATH 365: Foundations of Geometry	3
Choose 12 hours from the following.	12
MATH 332 Abstract Algebra (3) MATH 333 Linear Algebra (3) MATH 335 Number Theory (3) MATH 382 Real Analysis (3) MATH 384 Differential Equations (3) MATH 475 Mathematical Modeling (3)	

*MATH 184 fulfills the math general education requirement.

Total Hours: 36

Music Education (PK-12 certification)

See the Bachelor of Music in Music Education.

Physical Education (PK-12 certification)

Course Number/Title	Credit Hours
One Individual/Dual activity class (HHP 135, 150, 152, 154, 156, 157, 158)	0.5
One Team Activity class (HHP 111, 112, 116, 117, 118, 132)	0.5
One Fitness Activity class (HHP 161, 162, 164, 166, 168, 169, 170, 171, 172)	0.5
One Leisure/Adventure Activity class (HHP 142, 144, 146, 147, 148, 149)	0.5
Two additional activity classes	1
HHP 100 Lifetime Wellness	1
HHP 182 First Aid and CPR*	1
HHP 228 Programs in Sports	3
HHP 248 Programs in Leisure/Adventure Activities	2
HHP 268 Programs in Strength & Conditioning	2
HHP 273 Motor Learning and Development	3
HHP 281 Health Topics: Drug Education	1
HHP 282 Health Topics: Mental Health	1
HHP 284 Health Topics: Stress Management	1
HHP 285 Health Topics: Nutrition	1
HHP/EDUC 366 Health Methods	2
HHP/EDUC 376 PE Methods and Curriculum Design+	3
HHP/BIO 385 Physiology of Exercise	3
HHP 395 Biomechanics	3
HHP 471 Adapted Physical Activity	3
HHP 491 Management of Recreation and Sports	3
HHP 494 Measurement & Evaluation Human Perf.	3
BIO 243 Elements of Human Anatomy and Physiology**	3

+HHP/EDUC 376 fulfills secondary content methods coursework.

+HHP 100 and 182 fulfill the Living Stones general education HHP requirement.

**BIO 243 fulfills the Living Stones Life science general education requirement.

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

Total Hours: 42

Science

Course Number/Title	Credit Hours
BIO 111 General Biology I*	4
BIO 112 General Biology II	4
BIO 243 Principles Human Anat. & Phys. (3)	3-8
or both BIO 343 & 344 Human Anat./Phys. I & II (8)	
CHEM 115 General Chemistry I*	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
PHYS 111 General Physics I*	4
PHYS 112 General Physics II	4
PHYS 381 Modern Physics	3
PHYS 382 Advanced Physics Lab	1
SCI/GEOG 281 Physical Geography	4
SCI/GEOG 381 Meteorology	3
SCI/PHYS 331 Descriptive Astronomy	3
200-400 level electives chosen from:	6
Biology, Chemistry or Physics (BIO 344 may count toward the 6 hours of electives)	

EDUC 373 is the methods course for this endorsement. +

*BIO 111, CHEM 115, and PHYS 111 fulfill the natural sciences general education requirement.

MATH 184 and 186 are prerequisites for some chemistry and physics courses. MATH 184 fulfills the math general education requirement.

Total Hours: 51-56

Social Studies

Course Number/Title	Credit Hours
HIST 115 United States History	3
HIST 131 World Civilization I	3
HIST 132 World Civilization II	3
PS 111 United States Government	3
PS 211 Global Issues	3
HIST 311/PS 311 American Foreign Relations	3
U.S. History electives (300-400 level)	9
World History elective (300-400 level)	6
GEOG 101 Introduction to Human Geography	3
GEOG 202 World Regional Geography	3
Geography Elective	3
Econ 101 – Principles of Macroeconomics	3
Econ 102 – Principles of Microeconomics	3
Bus 111 – Entrepreneurship Foundations	3
PSY 101 Introduction to Psychology	3
PSY 421 Adolescent Psychology	3
SOC 101 Introduction to Sociology	3

+EDUC 372 is the methods course for this endorsement.

*ECON 101, SOC 101, PSY 101 HIST 115/131/132 fulfill Living Stones general education requirements.

Total Hours: 60

SECONDARY SUBJECT ENDORSEMENTS

Biology

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I*	4
SCI/GEOG 281 Physical Geography	4
PHYS 110 Principles of Physics*	4
BIO 111 General Biology I*	4
BIO 112 General Biology II	4
BIO 308 General Genetics	4
BIO 317 Ecology and Field Biology	3
BIO 122 General Zoology	3
or BIO 325 Vertebrate Zoology and Morphology (3)	
BIO 243 Principles Human Anatomy and Physiology* (3)	3-8
or both BIO 343 and 344 Adv. Human Anat./Phys. I and II (8)	
Biology Electives-3 hours at the 200-400 level	3
(BIO 344 may count toward these electives)	

EDUC 373 is the methods course for this endorsement. +

*BIO 110, BIO 111, and BIO 243 can fulfill the life sciences Living Stones general education requirement. CHEM 115 and PHYS 110 can fulfill the physical sciences Living Stones general education requirement.

Total Hours: 36-40

Chemistry

Course Number/Title	Credit Hours
BIO 110 Principles of Biology*	3
CHEM 115 General Chemistry I*	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
CHEM 353 Physical Chemistry	3
PHYS 110 Principles of Physics*	4
SCI/GEOG 281 Physical Geography	4
Chemistry Electives-5 hours at the 300 level	5

EDUC 373 is the methods course for this endorsement. +

*BIO 110 can fulfill the Living Stones general education life sciences requirement. CHEM 115 and PHYS 110 can fulfill the Living Stones general education physical sciences requirement.

MATH 184 and 186 are prerequisites for some chemistry classes. MATH 184 fulfills the Living Stones general education math requirement.

Total Hours: 35

History

Course Number/Title	Credit Hours
HIST 115 United States History*	3
HIST 131 World Civilization I	3

HIST 132 World Civilization II	3
U.S. History electives (300-400 level)	6
World History elective (300-400 level)	3
GEOG 101 Intro to Human Geography	3
or GEOG 202 World Regional Geography**	
PS 111 American Government	3
or PS 211 Global Issues**	
History electives (300-400 level)	12

EDUC 372 is the methods course for this endorsement. +

*HIST 115 fulfills the humanities general education requirement.

**GEOG 101/202 and PS 111/211 fulfill the social sciences general education requirement.

Total Hours: 36

Mandarin/Chinese

Course Number/Title	Credit Hours
CHNS 101 Beginning Mandarin I	3
CHNS 102 Beginning Mandarin II	3
CHNS 201 Intermediate Mandarin I	3
CHNS 202 Intermediate Mandarin II	3
CHNS 301 Advanced Mandarin I	3
CHNS 302 Advanced Mandarin II	3
CHNS 321 Chinese Culture (taught in Mandarin)	3
CHNS 341 Introduction to Reading in Mandarin	3
EDUC 367 Secondary Methods: World Languages	3
Mandarin/Chinese elective (300-400 level)	3

EDUC 367 is the methods course for this endorsement. +

Study abroad courses may be substituted for Concordia courses as approved by Education department.

Total Hours: 30

Middle Level

Course Number/Title	Credit Hours
EDUC 211 Middle Level: Philosophy, Theory, Practice	2
EDUC 324S Instruction and Assessment+*	*3
EDUC 364 Middle Level Core Subject Methods+	3
EDUC 431S Classroom Organization and Leadership+*	2
EDUC 435 Middle Level/Student Teaching Seminar+*	1
EDUC 438 Evidenced-Based Literacy Strategies for the Middle-Level/Secondary Classroom+*	1
Content area coursework (Math, Science, LA, SS: See ML section)	24

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

*Course requirements for the secondary education program.

Total Hours: 36

Vocal Music (PK-12 certification)

See the Bachelor of Music in Music Education program, Vocal Music Education concentration.

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Total Hours: 42

Secondary English

Course Number/Title	Credit Hours
ENG 221 Intermediate Writing	3
ENG 231 Studies in the English Language	3
One course from:	3
ENG 324 The Writing of Place (3)	
ENG 326 Poetry Writing (3)	
ENG 327 Fiction Writing (3)	
ENG 328 Creative Nonfiction Writing (3)	
One course from:	3
ENG 341 American Literature I (3)	
ENG 342 American Literature II (3)	
ENG 343 American Literature III (3)	
One course from:	3
ENG 362 British Literature I (3)	
ENG 363 British Literature II (3)	
ENG 364 British Literature III (3)	
ENG 366 Shakespeare	3
One course from:	3
ENG 381 World Literature I (3)	
ENG 382 World Literature II (3)	
ENG 384 World Literature III (3)	
One course from:	3
ENG 383 Modern Poetry (3)	
ENG 385 Mythmaking and the Modern Novel (3)	
ENG 387 Modern and Postmodern Drama (3)	
ENG 392 Reading Interests of Adolescents	3
ENG 431 English Language and Linguistics	3
CTA 241 Media Literacy	3
CTA 333 Intercultural Communication	3

EDUC 371 is the methods course for this endorsement. +

Note: The New England Study Tour may be substituted for any English course, preferably American Literature. The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare.

Total Hours: 36

Secondary Physical Education

Course Number/Title	Credit Hours
One Individual/Dual Activity class (HHP 135, 150, 152, 154, 156, 157, 158)	0.5
One Team Activity class (HHP 111, 112, 116, 117, 118, 132)	0.5
One Fitness Activity class (HHP 161, 162, 164, 166, 168, 169, 170, 171, 172)	0.5
One Leisure/Adventure Activity class (HHP 142, 144, 146, 147, 148, 149)	0.5
HHP 100 Lifetime Wellness	1
HHP 182 First Aid and CPR*	1
HHP 228 Programs in Sports	3
HHP 268 Programs in Strength & Conditioning	2
HHP 248 Programs in Leisure/Adventure Activities	2
HHP 273 Motor Learning and Development	3
HHP/EDUC 366 Health Methods	2
HHP/EDUC 376 PE Methods & Curriculum Design+	3

HHP/BIO 385 Physiology of Exercise	3
HHP 395 Biomechanics	3
HHP 471 Adapted Physical Activity	3
HHP 494 Measurement & Evaluation Human Perf.	3
BIO 243 Elements of Human Anatomy and Physiology**	3

HHP/EDUC 376 fulfills secondary content methods coursework.

*HHP 100 and 182 fulfills the HHP Living Stones general education requirement.

**BIO 243 fulfills the Living Stones Life science general education requirement.

Total Hours: 34

Physics

Course Number/Title	Credit Hours
PHYS 111 General Physics I*	4
PHYS 112 General Physics II	4
PHYS 321 Introductory Mechanics	3
PHYS 371 Electronics	3
PHYS 381 Modern Physics	3
PHYS 382 Advanced Physics Lab	1
PHYS 383 Introduction to Nuclear & Particle Physics	3
PHYS 390 Electricity and Magnetism	3
CHEM 115 General Chemistry I*	4
BIO 111 or 112 General Biology I or II*	4
SCI/GEOG 281 Physical Geography	4
EDUC 373 is the methods course for this endorsement. +	

*BIO 111 can be used to fulfill the Living Stones general education life sciences requirement, CHEM 115 and PHYS 111 can be used to fulfill the Living Stones general education physical sciences requirement.

MATH 184 and 186 are prerequisites for some physics classes. MATH 184 fulfills the Living Stones general education math requirement.

Total Hours: 36

Psychology

Course Number/Title	Credit Hours
EDPS 210 Educational Psych & Child Development*	3
PSY 101 Introduction to Psychology**	3
PSY 221 Lifespan Development	3
Or PSY 365 Memory and Cognition	
PSY 306 Introduction to Psychology and Social Research	3
PSY 341 Group Techniques	3
PSY 345 Social Psychology	3
PSY 421 Adolescent Psychology*	3
PSY 442 Introduction to Counseling	3
PSY 445 Abnormal Psychology	3
PSY 451 Personality Theory	3
Electives in social sciences	6

EDUC 372 is the methods course for this endorsement. +

*Course requirement for the secondary education program.

**PSY 101 and social sciences elective fulfill the social science general education requirement.

Total Hours: 36

Spanish

30 hours of an approved, specific sequence of courses in Spanish. Specific courses will vary, depending on the student's prior studies of Spanish. For example, students with 3 - 4 years of Spanish in high school may be able to enroll directly in SPAN 201.

Courses available to complete this endorsement include:

Course Number/Title	Credit Hours
21 hours from the following.	21
SPAN 101 Beginning Spanish I (3)	
SPAN 102 Beginning Spanish II (3)	
SPAN 201 Intermediate Spanish I (3)	
SPAN 202 Intermediate Spanish II (3)	
SPAN 203 Intensive Conversation (3)	
SPAN 204 Intensive Composition (3)	
SPAN 305 Advanced Spanish Grammar and Comm (3)	
SPAN 307 Spanish Intensive Language Seminar (3)	
SPAN 3xx	
SPAN 399 Independent Study (3)	
SPAN 321 Spanish Civilization and Culture	3
or SPAN 331 Latin American Culture	
SPAN 341 Introduction to Hispanic Literature	3
SPAN 342 Introduction to the Analysis of Hispanic Lit	3
EDUC 367 Secondary Methods: World Languages+	3

Students are encouraged to take an approved study abroad program as part of their endorsement.

Total Hours: 33

Special Education

Course Number/Title	Credit Hours
ASL 101 Beginning American Sign Language	3
HHP 471 Adapted Physical Activity+	3
MATH 301 Concepts of Math II	3
or MATH 305 Math for Elementary/Middle-level Teachers	
EDUC 314 Assessment, Evaluation, and IEP+	3
EDUC 315 Behavior Disorders and Intervention+	3
EDUC 316 Teaching Students Moderate Disabilities+	3
EDUC 317 Teaching Students with Mild Disabilities+	3
EDUC 318A Special Education Instructional Methods+	3
EDUC 403 Evidence-Based Strategies and Intervention+	3
PSY 445 Abnormal Psychology	3

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

Total Hours: 30

Theology: Religious Education

Course Number/Title	Credit Hours
REL 121 History and Literature of Old Testament	3
REL 131 History and Literature of New Testament	3
THEO 331 Studies in the Life of Christ	3
THEO 375 Christian Denom. & Religious Movements	3
THEO 381 Christian Teacher's Ministry	2
THEO 382 Theology of Corporate Worship	3
THEO 450 Understanding and Teaching the Bible	3

One Biblical Interpretation course from:	3
THEO 241 Old Testament Prophetical Books (3)	
THEO 242 Selected Psalms (3)	
THEO 251 Selected Pauline Epistles (3)	
THEO 252 Gospels (3)	
Two courses from:	6
HIST 313 Religion & Society in the U.S. (3)	
HIST 334 Early and Medieval Christianity (3)	
HIST 335 Renaissance and Reformation (3)	
THEO 371 History of Christian Thought (3)	
THEO 390 World Religions (3)	
THEO 418 From Exile to Christ (3)	
THEO 489 Ministry in a Changing World (3)	

Students have the option of completing THEO 499. THEO 450 is the methods course for this endorsement.

Total Hours: 29

SUPPLEMENTAL SECONDARY ENDORSEMENTS

American Sign Language

Course Number/Title	Credit Hours
ASL 101 Beginning American Sign Language I	3
ASL 102 Beginning American Sign Language II	3
ASL 201 Intermediate American Sign Language I	3
ASL 202 Intermediate American Sign Language II	3
ASL 490 Practicum in American Sign Language	3
ASL 150, 250, 350 or 450 Special Topics in ASL	3

Students who have prior coursework in ASL may start with ASL 102 or higher.

Total Hours: 18

Coaching

Course Number/Title	Credit Hours
HHP 182 First Aid and CPR	1
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 298 Theory of Coaching	2
HHP 362 Internship in Coaching	2-3
HHP/BIO 385 Physiology of Exercise*	3
HHP 463 Psychology of Coaching	3
HHP 491 Management of Recreation and Sports	3
One course from:	2
HHP 268 Programs in Strength & Conditioning (2)	
HHP 320 Sport Officiating (2)	
HHP 321 Coaching of Football (2)	
HHP 322 Coaching of Basketball (2)	
HHP 323 Coaching of Softball/Baseball (2)	
HHP 324 Coaching of Wrestling (2)	
HHP 325 Coaching of Track (2)	
HHP 326 Coaching of Soccer (2)	
HHP 327 Coaching of Volleyball (2)	

**BIO 243 fulfills the Living Stones Life science general education requirement.

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Total Hours: 18-19

Computer Science Supplemental Endorsement

Course Number/Title	Credit Hours
CS 131 Computer Science I	4
CS 141 Computer Science II	3
EDUC 346S Instructional Technology	2

Total Hours: 9

English as a Second Language

Course Number/Title	Credit Hours
EDUC 225 Diverse Classroom and Human Relations*	3
EDUC 323 Linguistics for Educators	3
EDUC 326 Language and Culture	3
EDUC 425 ESL Instruction, Curriculum and Assessment	3
EDUC 478 ESL Student Teaching	3

*Course requirement for the secondary education program.

Total Hours: 15

Information Technology

Course Number/Title	Credit Hours
CS 131 Computer Science I	4
CS 141 Computer Science II	3
CS 211 Seminar in Information Technology	3
CS 310 Systems Administration	3
BUS 371 Information Systems	3

Total Hours: 16

Journalism and Media Education

Course Number/Title	Credit Hours
ART 235 Digital Photography*	3
CTA 203 Communication Theory	3
CTA 225 Writing and Reporting	3
CTA 226 Journalistic Editing and Design	3
CTA 241 Media Literacy	3
CTA 242 Introduction to Broadcast Journalism	3

*ART 235 fulfills 3 credits of the fine arts/humanities' general education requirement.

Total Hours: 18

Speech

Course Number/Title	Credit Hours
CTA 200 Forensics	3
CTA 211 Public Speaking	3
CTA 231 Oral Interpretation	3
CTA 311 Persuasion, Argumentation and Debate	3
Select three hours from:	3
CTA 203 Communication Theory (3)	
CTA 241 Media Literacy (3)	
CTA 302 Rhetorical Theory (3)	
CTA 306 Interpersonal Communication (3)	
CTA 333 Intercultural Communication (3)	

Total Hours: 15

Theatre

Course Number/Title	Credit Hours
CTA 152 Basic Acting Technique*	3
CTA 153 Theatre History	3
CTA 373 Play Production	3
Select six hours from:	6
CTA 232 Costume and Makeup Design (3)	
CTA 233 Stage Scenery, Lighting, and Sound (3)	
CTA 399 Independent Study (1-3)	
Select three hours from:	3
CTA 154 Creative Drama (3)	
CTA 231 Oral Interpretation (3)	
CTA 254 Improvisation as Outreach (3)	
ECTA 350 Special Topics (2-3)	
ENG 366 Shakespeare (3)	
ENG 387 Modern and Postmodern Drama (3)	

*CTA 152 fulfills 3 credits of the fine arts/humanities' general education requirement.

Total Hours: 18

Note: The World and Intercultural Studies Minor OR Missional Leadership Minor may be substituted for a Supplemental Endorsement.

ELEMENTARY AND SECONDARY DUAL CERTIFICATION

This option prepares a student to be certified at both the elementary and secondary levels. Specific courses will vary, depending on the secondary endorsement. May require additional student teaching clinical experience. Dual certification will usually require at least one extra semester. Students selecting this option should contact the Dean of Education, Health and Human Sciences early in the planning process.

SECONDARY AND PK-12 EDUCATIONAL STUDIES

Educational Studies is only available to students with permission from the Dean of the College of Education, Health and Human Sciences. It requires that a student successfully completes 30 credit hours of education coursework. Students who receive this degree will not be eligible for teacher certification. It will not result in a student being eligible to teach in a classroom position after graduation.

SPECIAL EDUCATION PROGRAM (K-12)

The Special Education Endorsement is also available with Elementary and Secondary Education. See those sections of the catalog for the required course lists.

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

1. General Education

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

2. Education Foundations

Course Number/Title	Credit Hours
EDUC 201 Introduction to Education	3
EDPS 210 Educational Psychology and Child Development	3
EDUC 224 Teaching Exceptional Learners	3
EDUC 225 Diverse Classrooms & Human Relations	3
EDUC 351 Service in Public Schools+	2
or THEO 381 Christian Teacher's Ministry+	

Total Hours: 14

3. K-12 SPED Courses

ASL 101 Beginning American Sign Language	3
ASL 102 Beginning American Sign Language II	3
MATH 301 Concepts of Mathematics II	3
or MATH 305 Math for Elementary/Middle-level Teachers	
EDUC 314 Assessment, Evaluation and IEP+	3
EDUC 315 Behavior Disorders and Intervention+	3
EDUC 316 Teaching Students Moderate Disabilities+	3
EDUC 317 Teaching Students Mild Disabilities+	3
EDUC 318A Special Education Instructional Methods I+	3
EDUC 318B Special Education Instructional Methods II+	1
EDUC 324E/S Instruction/Assessment Classroom+	3
EDUC 346E/S Instructional Technology	2
EDUC 403 Evidence-Based Strategies & Intervention+	3
EDUC 461 Literacy Instruction, Assessment & Intervention+	6
HHP 471 Adapted Physical Activity	3
PSY 421 Psychology of Adolescence	3
PSY 445 Abnormal Psychology	3

Total Hours: 48

4. Professional Semester

Course Number/Title	Credit Hours
EDUC 435 PK-12, Middle Level & Secondary ST Seminar+	1
EDUC 477A Clinical Exp.: Special Education ST I+	6
EDUC 477B Clinical Exp.: Special Education ST II+	6

Total Hours: 13

5. Lutheran Teacher Diploma (Optional)

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

Course Number/Title	Credit Hours
EDUC 362 Teaching the Christian Faith	2
THEO 241/242/251/252 Biblical Interpretation	3
THEO 361 Doctrine and Confessions I	3
THEO 362 Doctrine and Confessions II	3
THEO 381 Christian Teacher's Ministry	2

Total Hours: 13

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

6. Christian Teacher Diploma (Optional)

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

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

Total Hours: 9

*Biblical Interpretation is a prerequisite for THEO 450.

7. International Teacher Diploma (Optional)

Available to any Education candidate interested in teaching in an international school setting. Two international teaching experiences to different locations (at least 30 clock hours total teaching) are required.

Course Number/Title	Credit Hours
EDUC 326 Language and Culture	3
Choose one course from: GMC 270 Mission of God (3) GMC 290 Cross-Cultural Perspectives (3)	3
Choose one course from: GEOG 202 World Regional Geography (3) GMC 270 Mission of God (3) GMC 280 Missional Leadership (3) GMC 290 Cross-Cultural Perspectives (3) PS 211 Global Issues (3) SOC 201 Cultural Anthropology (3) THEO 390 World Religions (3) THEO 489 Ministry in a Changing World (3)	3

Total Hours: 9

SPECIAL EDUCATION EDUCATIONAL STUDIES

Educational Studies is only available to students with permission from the Dean of the College of Education, Health and Human Sciences. It requires that a student successfully completes 30 credit hours of education coursework. Students who receive this degree will not be eligible for teacher certification. It will not result in a student being eligible to teach in a classroom position after graduation.

BACHELOR OF ARTS

TESOL (Teaching English to Speakers of Other Languages)

Course Number/Title	Credit Hours
CTA 333 Intercultural Communication or EDUC 326 Language and Culture	3
EDUC 201 Introduction to Education	3
EDPS 210 Educational Psych. & Child Development	3
EDUC 225 Diverse Classrooms & Human Relations	3
EDUC 346E/S Instructional Technology	2
EDUC 420 Second Language Acquisition/Teaching Methods	3
EDUC 425 ESL Instruction, Curriculum and Assessment	3
EDUC 398 ESL Practicum	3
EDUC 490 Capstone Experience	3
ENG 231 Studies in the English Language or EDUC 323 Linguistics for Educators	3
SOC 201 Cultural Anthropology	3
Modern Languages: Spanish, Mandarin or ASL	6

Total Hours: 38

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

The Department of Health and Human Performance mentors and leads students in the advancement of knowledge, abilities, and attitudes through the pursuit of a Christ-centered education in health and wellness.

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

Related options within Teacher Education include the Coaching endorsement (Elementary), Coaching supplemental endorsement Physical Education concentration (Elementary), Health and Physical Education content teaching area (Middle Level), Physical Education (PK-12) and Secondary Physical Education. (All requirements for the Bachelor of Science in Education and teacher certification must also be completed.)

DEGREES

Bachelor of Arts Bachelor of Science

MAJORS

Exercise Science

Public Health and Fitness

Recreation and Sport Studies

MINORS

Coaching

Parish Health

Public Health

Recreation

Recreation and Sport Management

Senior Adult Fitness

Sport Ministry

Sport Psychology

BACHELOR'S TO MASTER'S PROGRAM

PUBLIC HEALTH

Students in the B.S. Public Health and Fitness 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.

Public Health Course/UG course replaced

MPH 500
MPH 510 – HHP 482
MPH 515
MPH 520
MPH 525 – HHP 425
MPH 560 – HHP 486
MPH 583 – HHP 489
MPH 584 – HHP 484
MPH 585 – HHP 488

Contact the Health and Human Performance Department for more information. For complete requirements in the Master of Public Health see the Graduate and Adult Education academic catalog.

BACHELOR OF ARTS

Recreation and Sport Studies

Core Requirements (16 hours)

Course Number/Title	Credit Hours
HHP 291 Foundations of Health and Human Performance	2
HHP 298 Theory of Coaching	2
HHP/SOC 337 Sociology of Recreation and Sport	3
HHP 462 Sport Ethics	3
HHP 495 Legal Aspects of Exercise, Recreation and Sport	3
BUS 281 Business Communication	3

Choose one Emphasis:

Sport Business Emphasis (46 hours)

Course Number/Title	Credit Hours
HHP 231 Sports Finance	3
HHP 394 Internship in Sport Business	3
HHP 399 Senior Seminar in Health & Human Performance	1
HHP 441 Sales in Professional and Amateur Sports	3
HHP 443 Sports Marketing	3
BUS 121 Financial Accounting	3
BUS 261 Marketing	3
BUS 351 Human Resources Management	3
BUS 362 Advertising & Integrated Marketing Comm	3
BUS 363 Sales and Sales Management	3
BUS 364 Consumer Behavior	3
BUS 368 Digital Marketing	3
BUS 443 Organizational Behavior	3
CTA 285 Social Media	3

CTA 301 Public Relations	3
PSY 341 Group Techniques	3

Total Hours: 62

Recreation and Sport Management Emphasis (44 hours)

Course Number/Title	Credit Hours
HHP 144 Recreational Sports	0.5
Choose one Activity courses from:	0.5
HHP 111-172	
HHP 228 Programs in Sports	3
HHP 367 Recreational Programming	3
HHP 396 Internship in Recreation and Sport Management	3
HHP 399 Senior Seminar in Health & Human Performance	1
HHP 491 Management of Recreation and Sports	3
HHP 496 Recreation and Sport Facility Management	3
ECON 101 Principles of Macroeconomics	3
BUS 121 Financial Accounting	3
BUS 261 Marketing	3
BUS 351 Human Resources Management	3
BUS 362 Advertising and Integrated Marketing Comm.	3
BUS 443 Organizational Behavior	3
or CTA 309 Small Group Theory	
GEOG 291 Geography of Sports and Outdoor Recreation	3
Select two courses from:	6
BUS 122 Managerial Accounting (3)	
BUS 443 Organizational Behavior (3) (if not taken above)	
BUS 446 Strategic Management (3)	
CTA 285 Social Media (3)	
CTA 301 Public Relations (3)	
CTA 309 Small Group Theory (3) (if not taken above)	
HHP 231 Sports Finance (3)	
HHP 463 Psychology of Coaching (3)	
MATH 122 Introduction to Statistics (3)	

Total Hours: 60

BACHELOR OF SCIENCE

Exercise Science

Course Number/Title	Credit Hours
Two Fitness Activity courses (HHP 161-172)	1
Two Activity courses (HHP 111-172)	1
HHP 182 First Aid and CPR	1
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 270 Human Performance Laboratory Techniques	2
HHP 273 Motor Learning and Development	3
One Health Topics course from:	1
HHP 281 Drug Education (1)	
HHP 282 Health Topics: Mental Health (1)	
HHP 284 Stress Management (1)	
HHP 286 Men's Health (1)	
HHP 287 Women's Health (1)	
HHP 291 Foundations of Health & Human Performance	2
HHP/PSY 295 Psychology of Exercise	3
HHP 312 Exercise Prescription	3
HHP/BIO 385 Physiology of Exercise	3
HHP 395 Biomechanics	3
HHP 397 Internship in Exercise Science	3
HHP 399 Senior Seminar in Health & Human Performance	1
HHP 494 Measurement & Evaluation in Human Performance	3
HHP 495 Legal Aspects of Exercise, Recreation and Sports	3
BIO 111 or 112 General Biology I or II	4
BIO 244 Nutrition	3
BIO 253 or 343* Human Anatomy and Physiology I	4
BIO 254 of 344* Human Anatomy and Physiology II	4
CHEM 115 General Chemistry I	4
PHYS 111 General Physics I	4
+Electives from:	11-12
HHP 268 Programs in Strength & Conditioning (2)	
HHP 275 Introduction to Public Health (2)	
HHP 410 Essentials of Strength and Conditioning (3)	
HHP 411 Essentials of Sports Science (3)	
HHP/BIO 465 Human Diseases (3)	
HHP 482 Applied Epidemiology (3)	
BIO 111 or 112 General Biology I or II (4) **	
BIO 350 Gross Anatomy (2)	
BIO 371 The Biology of the Brain (3)	
BIO 450 Advanced Human Dissection (3)	
CHEM 116 General Chemistry II (4) **	
CHEM 231 Organic Chemistry I (4)	
MATH 322 Foundations of Statistics (3)	
PHYS 112 General Physics II (4) **	

Total Hours: 69-70

*Pre-Physical Therapy students must take BIO 343/344.
**Pre-Physical Therapy students will take these electives to fulfill professional school admission requirements.
+If pursuing graduate or professional school, check specific admission requirements.

Public Health and Fitness

Course Number/Title	Credit Hours
One Fitness course from: HHP 161-172	0.5
One additional activity class	0.5
HHP 182 First Aid and CPR	1
HHP 270 Human Performance Laboratory Techniques	2
HHP 275 Introduction to Public Health	2
HHP 281 Health Topics: Drug Education	1
HHP 282 Health Topics: Mental Health	1
HHP 284 Health Topics: Stress Management	1
One course from:	3
HHP/PSY 290 Health Psychology (3)	
HHP/PSY 295 Psychology of Exercise (3)	
One course from:	3
HHP 312 Exercise Prescription (3)	
HHP 410 Essentials of Strength and Conditioning (3)	
HHP 411 Essentials Sports Science (3)	
HHP/BIO 385 Physiology of Exercise	3
HHP 386 Adult and Senior Health	3
HHP 399 Senior Seminar in Health & Human Performance	1
HHP 395 Biomechanics	3
HHP 398 Internship in Public Health and Fitness	3

HHP 425 Health Policy	2
HHP/BIO 465 Human Diseases	3
HHP 480 Health and Human Sexuality	3
HHP 482 Applied Epidemiology	3
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	3
HHP 488 Health Promotion Programming	3
HHP 489 Global Health	2-3
HHP 495 Legal Aspects of Exercise, Recreation and Sports	3
BIO 243 Elements of Human Anatomy and Physiology	3
BIO 244 Nutrition	3
One course from:	3

CTA/BUS 281 Business Communication (3)
CTA 285 Social Media (3)
CTA 333 Intercultural Communication (3)

Total Hours: 62-63

MINORS

Coaching

Recommended for non-teachers.

Course Number/Title	Credit Hours
HHP 182 First Aid and CPR	1
HHP 261 Care and Prevention of Athletic Injuries	2
HHP 298 Theory of Coaching	2
HHP 362 Internship in Coaching	2-3
HHP/BIO 385 Physiology of Exercise	3
HHP 463 Psychology of Coaching	3
HHP 491 Management of Recreation and Sports	3
One course from:	2

HHP 268 Programs in Strength & Conditioning (2)
HHP 320 Sport Officiating (2)
HHP 321 Coaching of Football (2)
HHP 322 Coaching of Basketball (2)
HHP 323 Coaching of Softball/Baseball (2)
HHP 324 Coaching of Wrestling (2)
HHP 325 Coaching of Track and Field (2)
HHP 326 Coaching of Soccer (2)
HHP 327 Coaching of Volleyball (2)

*BIO 243 can serve as the prerequisite for HHP/BIO 385 and fulfill the Living Stones Life Sciences General Education Curriculum requirement.

Total Hours: 18-19

Parish Health

Course Number/Title	Credit Hours
HHP 282 Health Topics: Mental health	1
HHP 284 Health Topics: Stress Management	1
HHP 285 Health Topics: Nutrition	1
HHP/PSY 290 Health Psychology	3
HHP 385 Adult and Senior Health	3
HHP 484 Community Health	3
HHP 488 Health Promotion Programming	3
SOC 331 The Family	3
PSY 442 Introduction to Counseling	3

Total Hours: 21

Public Health

Course Number/Title	Credit Hours
HHP 275 Introduction to Public Health	2
HHP 425 Health Policy	2
HHP 482 Applied Epidemiology	3
HHP 484 Community Health	3
HHP 486 Critical Issues in Health	3
HHP 488 Health Promotion Programming	3
A minimum of 2 credit hours from the following	2-3

HHP 281 Health Topics: Drug Education (1)
HHP 282 Health Topics: Mental Health (1)
HHP 285 Health Topics: Nutrition (1)
HHP 386 Adult and Senior Health (3)
HHP 480 Health and Human Sexuality (3)
HHP 489 Global Health (2-3)

Total Hours: 18-19

Recreation

Course Number/Title	Credit Hours
HHP 144 Recreational Sports	0.5
HHP 1__ Selected Activity course	0.5
HHP 248 Programs Leisure/Adventure Activities	2
HHP 298 Theory of Coaching	2
HHP/SOC 337 Sociology of Recreation and Sport	3
HHP 367 Recreational Programming	3
HHP 491 Management of Recreation and Sports	3
HHP 495 Legal Aspects of Exercise, Recreation and Sports	3

Total Hours: 17

Recreation and Sport Management

Course Number/Title	Credit Hours
HHP 228 Programs in Sports	3
Or HHP 367 Recreational Programming	
HHP 298 Theory of Coaching	2
HHP 462 Sport Ethics	3
HHP 491 Management of Recreation and Sports	3
HHP 495 Legal Aspects of Exercise Recreation and Sports	3
HHP 496 Recreation and Sport Facility Management	3

Total Hours: 17

Senior Adult Fitness

Course Number/Title	Credit Hours
BIO 244 Nutrition	3
HHP 386 Adult and Senior Health	3
HHP 268 Programs in Strength & Conditioning	
Or HHP 410 Essentials of Strength Training & Conditioning	2-3
HHP 488 Health Promotion Programming	3
HHP/PSY 295 Psychology of Exercising	3
Three hours from:	3

BIO 371 The Biology of the Brain (3)
HHP 312 Exercise Prescription (3)
HHP/PSY 290 Health Psychology (3)
PSY 205 Adult Development & Aging (3)

PSY 403 Mental Health and Aging (3)

Total Hours: 17-18

Sport Psychology

Course Number/Title	Credit Hours
HHP 273 Motor Learning and Development	3
HHP/PSY 295 Psychology of Exercise	3
HHP/SOC 337 Sociology of Recreation and Sport	3
HHP 463 Psychology of Coaching	3
PSY 221 Lifespan Development	3
Choose two courses from:	6
PSY/HHP 290 Health Psychology (3) PSY/SOC 345 Social Psychology (3) PSY 442 Introduction to Counseling (3) PSY 445 Abnormal Psychology (3)	

Total Hours: 21

Sport Ministry

Course Number/Title	Credit Hours
HHP 228 Programs in Sports	3
HHP 462 Sport Ethics	3
HHP 491 Management of Recreation and Sports	3
THEO 375 Christian Denominations & Religious Movements or THEO 390 World Religions	3
Electives (to bring total to 21 hours) from:	5
HHP 248 Programs Leisure/Adventure Activities (2) HHP 298 Theory of Coaching (2) HHP 471 Adapted Physical Activity (3) PSY 341 Group Techniques (3)	

Total Hours: 17

DEPARTMENT OF HUMAN AND SOCIAL SCIENCES

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

Related options within teacher education include the Psychology secondary subject, Social Sciences elementary concentration, Social Sciences Content Teaching Area (Middle Level), and Social Sciences Field (Secondary) (All requirements for the Bachelor of Science in Education and teacher certification must also be completed.) The Christian Educational Leadership major and Director of Christian Education certification may also be completed as part of the Bachelor of Science in Education degree.

DEGREES

Bachelor of Arts Bachelor of Science

MAJORS

Behavioral Science (BA)

Christian Educational Leadership (BA)

Criminal Justice (BA)

Psychology (BA & BS)

MINORS

Christian Education Leadership

Criminal Justice

Gerontology

Psychology

Pre-Law

Sociology

BACHELOR OF ARTS

Behavioral Science

Course Number/Title	Credit Hours
PSY 419 Death & Dying & Trauma	3
PSY 445 Abnormal Psychology	3
PSY 451 Personality Theory	3
SW 201 Introduction to Social Work	3
SOC 101 Introduction to Sociology	3
SOC 201 Cultural Anthropology	3
SOC 221 Social Problems	3
SOC/PSY 306 Introduction to Psychological/Social Research	3
SOC 345 Social Psychology	3
SOC 361 Social Theory	3
SOC 414 Social Policy, Programs & Services	3
Three hours from Capstone courses:	3
SOC 406 Applied Research (3) SOC 481 Internship in Sociology (3) SOC 490 Capstone Seminar (3)	
Electives from:	9
CTA 203 Communication Theory (3) CTA 309 Small Group Theory (3) CTA 333 Intercultural Communication (3) SOC 260 Criminology (3) SOC 322 Criminal Justice (3) SOC 331 The Family (3) PSY 221 Lifespan Development (3) PSY 241 Child Psychology (3) PSY 385 Psychological/Sociological Analysis Modern Lit. (3) PSY 421 Adolescent Psychology and Development (3) PSY 442 Introduction to Counseling (3)	

Note: PSY 101 is a prerequisite for many courses in the Behavioral Science (Sociology) major.

Total Hours: 45

Criminal Justice

Course Number/Title	Credit Hours
CJ 101 Introduction to Criminal Justice	3
CJ 200 Introduction to Law Enforcement	3
CJ 210 Juvenile Justice System & Delinquency	3
CJ 220 Criminal Law	3
CJ 225 Probation, Parole and Community Corrections	3
CJ 300 Criminal Investigations	3
CJ 310 Corrections	3
CJ/SOC 260 Criminology	3
CJ 350 Overview of the American Legal System	3
CJ 400 Ethics in Criminal Justice	3
CJ 420 Criminal Evidence, Procedures, Courts	3
CJ 481 Criminal Justice Internship	3
Electives—Select from the following:	9
ART 235 Digital Photography (3) SCI 230 Introduction to Forensic Science (3) SCI 231 Introduction to Forensic Science Lab (1) CJ/SOC 325 Special Topics in Criminal Justice (3) CJ 341 Drugs and the Criminal Justice System (3)	

CTA 333 Intercultural Communication (3)
GEOG 361 Intro to Geographic Information Systems (3)
HIST 487 U. S. Constitutional History (3)
PSY 421 Adolescent Psych. & Development (3)
PSY 445 Abnormal Psychology (3)
SOC 221 Social Problems (3)

Total Hours: 45

Psychology (Bachelor of Arts)

Course Number/Title	Credit Hours
PSY 101 Introduction to Psychology	3
PSY 221 Lifespan Development	3
PSY 222 Statistics in the Social Sciences	3
PSY 306 Introduction to Psychological/Social Research	3
PSY 341 Group Techniques	3
PSY 345 Social Psychology	3
PSY 442 Introduction to Counseling	3
PSY 445 Abnormal Psychology	3
PSY 451 Personality Theory	3
One Developmental course:	3
PSY 205 Adult Development and Aging (3)	
PSY 241 Child Psychology (3)	
PSY 421 Adolescent Psychology and Development (3)	
Three hours from Capstone courses:	3
PSY 406 Applied Research (3)	
PSY 481 Internship in Psychology (3)	
PSY 490 Capstone Seminar (3)	
Psychology Electives (for the BA in Psychology):	9
Choose from the following:	
300/400-Level Psychology courses (3-9)	
BIO 207 Human Genetics: Applications and Issues (3)	
BIO 243 Elements Human Anatomy and Physiology (3)	
BIO 244 Nutrition (3)	
BUS 364 Consumer Behavior (3)	
BUS 443 Organizational Behavior (3)	
CTA 224 Listening (3)	
CTA 306 Interpersonal Communication (3)	
CTA 333 Intercultural Communication (3)	
HHP 290 Health Psychology (3)	
HHP 295 Psychology of Exercise (3)	
SOC/CJ 260 Criminology (3)	
SOC 331 The Family (3)	
THEO 483 Sexuality and the Family (3)	

Total Hours: 42

BACHELOR OF SCIENCE

Psychology (Bachelor of Science)

Course Number/Title	Credit Hours
PSY 101 Introduction to Psychology	3
PSY 221 Lifespan Development	3
PSY 222 Statistics in the Social Sciences	3
PSY 306 Introduction to Psychological/Social Research	3
PSY 341 Group Techniques	3
PSY 345 Social Psychology	3
PSY 365 Memory and Cognition	3
PSY 375 Sensation and Perception	3
PSY 406 Applied Research	3
PSY 442 Introduction to Counseling	3
PSY 445 Abnormal Psychology	3
PSY 451 Personality Theory	3
PSY 471 Intro to Neuroscience	3
PSY 481 Internship in Psychology	3
PSY 490 Capstone Seminar	3
One Developmental course:	3
PSY 205 Adult Development and Aging (3)	
PSY 241 Child Psychology (3)	
PSY 421 Adolescent Psychology and Development (3)	
Psychology Electives (for the BS in Psychology):	9
300/400-Level Psychology courses (3-9)	
BIO 207 Human Genetics: Applications and Issues (3)	
BIO 243 Elements Human Anatomy and Physiology (3)	
BIO 244 Nutrition (3)	
BUS 364 Consumer Behavior (3)	
BUS 443 Organizational Behavior (3)	
CTA 224 Listening (3)	
CTA 306 Interpersonal Communication (3)	
CTA 333 Intercultural Communication (3)	
HHP 290 Health Psychology (3)	
HHP 295 Psychology of Exercise (3)	
PSY 402/SOC 333 Social Gerontology (3)	
PSY 403 Mental Health and Aging (3)	
SOC/CJ 260 Criminology (3)	
SOC 331 The Family (3)	
THEO 483 Sexuality and the Family (3)	

Total Hours: 57

MINORS

Christian Education Leadership

*See Christian Education Leadership section

Criminal Justice

Course Number/Title	Credit Hours
CJ 101 Introduction to Criminal Justice	3
CJ 220 Criminal Law	3
CJ 350 Overview of the American Legal System	3
Nine hours from:	9
CJ 200 Introduction to Law Enforcement (3)	
CJ 210 Juvenile Justice Syst & Delinquency (3)	
CJ 300 Criminal Investigations (3)	
CJ 310 Corrections (3)	
CJ/SOC 260 Criminology (3)	
CJ/SOC 325 Special Topics in Criminal Justice (3)	
CJ 400 Ethics in Criminal Justice (3)	
CJ 481 Criminal Justice Internship (3)	
Three hours (recommended) from:	3
ART 235 Digital Photography (3)	
PSY 421 Adolescent Psychology and Development (3)	
PSY 445 Abnormal Psychology (3)	
PSY/SOC 490 Capstone Seminar (3)	
SCI 230 Introduction to Forensic Science (3)	

SCI 231 Introduction to Forensic Science Lab (1)
SOC 221 Social Problems (3)
SOC 331 The Family (3)
Any course from required list not already taken (3)

Note: Internship and Capstone Seminar must be related to criminology or criminal justice.

Total Hours: 21

Gerontology

Course Number/Title	Credit Hours
PSY 205 Adult Development and Aging	3
PSY 402/SOC 333 Social Gerontology	3
PSY 403 Mental Health and Aging	3
PSY 404 Health Aspects of Aging	3
PSY 419 Death, Dying and Trauma	3
GERO 481 Internship in Gerontology	3

Total Hours: 18

Psychology

Select either the basic or one of the more specialized tracks, for a total of 18 hours.

Course Number/Title	Credit Hours
PSY 101 Introduction to Psychology	3
Three hours from:	3
PSY 221 Lifespan Development (3)	
PSY 241 Child Psychology (3)	
PSY 421 Adolescent Psychology and Development (3)	
Three hours from:	3
PSY 341 Group Techniques (3)	
PSY 442 Introduction to Counseling (3)	
PSY 445 Abnormal Psychology (3)	
Nine hours of Psychology electives	9
(300 or 400 level PSY courses)	

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

Art Therapy Track

Course Number/Title	Credit Hours
PSY 101 Introduction to Psychology	3
PSY 221 Lifespan Development	3
PSY 442 Introduction to Counseling	3
PSY 445 Abnormal Psychology	3
Six hours of Psychology electives	6

Health Professional Track

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

Course Number/Title	Credit Hours
PSY 101 Introduction to Psychology	3
PSY 221 Lifespan Development	3
PSY 365 Memory and Cognition	3
PSY 375 Sensation and Perception	3
PSY 445 Abnormal Psychology	3
PSY 471 Intro to Neuroscience	3

Helping Professional Track

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

Course Number/Title	Credit Hours
PSY 101 Introduction to Psychology	3
PSY 341 Group Techniques	3
PSY 442 Introduction to Counseling	3
PSY 445 Abnormal Psychology	3
Six hours of Psychology electives	6

Total Hours: 18

Pre-Law

Course Number/Title	Credit Hours
Exposure to Law	6
CJ 420 Criminal Evidence, Procedure and the Courts (3)	
BUS 300 Business Law (3)	
Writing, Editing and Critical Reading – two courses from:	6
CTA 225 News, Writing and Reporting (3)	
CJ 350 Overview of the American Legal System (3)	
HIST 487 United States Constitutional History (3)	
HIST 420 The American Immigrant (3)	
Oral Communication/Listening – one course from:	3
CTA/BUS 281 Business Communication (3)	
CTA 311 Persuasion, Argument and Debate (3)	
CTA 333 Intercultural Communication (3)	
Critical Thinking/Research/Problem Solving – one course from:	3
PSY/SOC 306 Intro to Psych and Social Research (3)	
SCI 230 Introduction to Forensic Science (3)	
PHIL 301 Concepts in Philosophy (3)	

Total Hours: 18

All students in this minor that are interested in attending law school are strongly encouraged to take the LSAT seminar and are strongly encouraged to secure a law- related internship and to participate in law-related extracurricular activities. Information regarding these and other activities is available from the pre-law advisors.

Social Work

The social work minor is designed around courses that are recommended for entrance into graduate school in social work or entry level employment in human services.

Course Number/Title	Credit Hours
SOC 101 Introduction to Sociology	3
SW 201 Introduction to Social Work	3
SW 311 Social Work Internship	3
SOC 221 Social Problems	3
SOC 414 Social Policy, Programs & Services	3
PSY 205 Adult Development & Aging	3
PSY 221 Lifespan Development	3
PSY 419 Death, Dying and Trauma	3

Total Hours: 24

Sociology

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

Total Hours: 18

CHRISTIAN EDUCATIONAL LEADERSHIP

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. Director of Christian Education (DCE) certification is an option for individuals who are members of an LCMS congregation and seeking designation as a DCE within the LCMS.

ADMISSION INTO DCE PROGRAM

Students with sophomore or junior standing are provisionally admitted into the DCE program after meeting the following requirements:

1. Completion of an application form, recommendations, and personality instruments
2. Minimum cumulative grade point average of 2.50
3. Successful completion of an interview with a faculty screening committee
4. Minimum theology and CEL major grade point average of 2.75.

APPROVAL FOR DCE INTERNSHIP

Students who have been provisionally admitted and have junior or senior standing are fully admitted into the program and approved for the DCE internship after successful completion of the following:

1. Minimum cumulative grade point average of 2.50
2. Minimum cumulative grade point average of 2.75 in CEL major and theology course work
3. Successful completion of at least a semester of CEL 480, Practicum in DCE Ministries
4. Interview with the director of DCE Ministries and successful completion of assigned learning goals.

APPEAL PROCESS

If a student wishes to appeal the decision relative to admission to the program or approval for internship, a written appeal may be addressed to the Commissioned Ministers and Education Programs Appeal Committee through the Undergraduate Council within three months of the decision to deny admission. Any student who is not satisfied with the decision of the appeal committee may appeal directly to the president of Concordia University.

RECOMMENDATION FOR PLACEMENT AS A DCE

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

1. Maintained a 2.50 GPA in all courses counted toward graduation
2. Maintained a 2.75 GPA in the CEL major/theology courses
3. Successfully completed CEL 481 DCE Internship
4. Obtained their advisor's recommendation on the placement form.

CEL CURRICULAR OPTIONS

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

Students must choose one of the following options:

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

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

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

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

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

1. General Education

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

2. CEL Major

24-hour Internship is Optional

Course Number/Title	Credit Hours
CEL 235 Field Experiences I	1
CEL 329 DCE Ministries II: The Emerging DCE	3
CEL 358 Religious Education and Innovative Technology	1
CEL 382 Congregational Children's Ministry	2
CEL 388 Youth Ministry Theory and Methods	3
CEL 389 Congregational Care-Action Ministry	2
CEL 480 Practicum in DCE Ministries	3
CEL 481 DCE Internship (Optional)	24
CEL 483 Enabling Others to Lead and Teach	3
CEL 485 Parish Education Program Administration	3
EDPS 210 Educational Psych. & Child Development	2
PSY 341 Group Techniques	3
PSY 442 Introduction to Counseling	3
REL 121 History and Literature of Old Testament*	3
REL 131 History and Literature of New Testament*	3
THEO 210 Faith and Life*	3
THEO 241/242/251/252 Biblical Interpretation	3
CEL 486 Family Life Ministry	3
CEL 487 Planning Adult Education in the Parish	3

*Also required in General Education

Total Hours: 47-71

3. Foundational Major

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

4. DCE Certification Requirements

For LCMS students seeking a DCE certificate.

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

Total Hours: 34

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

5. DCE Emphases (Optional)

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

Adult Ministry (12 hours)

Course Number/Title	Credit Hours
PSY 451 Personality Theory	3
SOC 221 Social Problems	3
SOC 333/PSY 402 Social Gerontology	3
THEO 483 Sexuality and the Family	3

Biblical Languages (16 hours)

Options for those planning on a seminary education.

Course Number/Title	Credit Hours
Greek	8
Hebrew	8

Child's Ministry (14 hours)

Course Number/Title	Credit Hours
CEL 300 Outdoor Christian Education	2
EDUC 332 Early Childhood Curriculum & Methods	3
EDUC 430 Families, Schools, and Communities	1
PSY 211 Child Development and Psychology	2
PSY 212 Child Development and Psychology: Young Children	1
PSY 422 Psychology and Development of Young Adolescent	2

Family Life Ministry (12-13 hours)

Course Number/Title	Credit Hours
PSY 211 Child Development and Psychology	2
PSY 212 Child Development & Psychology: Young Children or PSY 422 Psychology & Develop. of Young Adolescent	1-2
PSY 421 Adolescent Psychology and Development	3
THEO 483 Sexuality and the Family	3

Outreach Ministry (10 hours)

Course Number/Title	Credit Hours
THEO 375 Christian Denominations & Religious Movements or THEO 390 World Religions	3
THEO 399 Independent Study Evangelism Visitation	1

Parish Music (19-20 hours)

Course Number/Title	Credit Hours
CHMU313 Christian Hymnody or CHMU 411 Christian Liturgy (3)	2
MU 102 Aural Skills I	1
MU 103 Music Theory I	3
MU 104 Aural Skills II	1
MU 105 Music Theory II	3
MU 251 Conducting I	2
CHMU 221 Intro to Church Music	2
Ensemble or Applied Music	5

Youth Ministry (11 hours)

Course Number/Title	Credit Hours
CEL 300 Outdoor Christian Education	2
EDUC 379 Methods in Secondary Religion	2
PSY 211 Child Development and Psychology	2
PSY 421 Adolescent Psychology and Development	3
PSY 422 Psychology and Development of Young Adolescent	2

Self-Designed (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

Christian Education Leadership

Course Number/Title	Credit Hours
CEL 382 Congregational Children's Ministry	2
CEL 388 Youth Ministry Theory and Methods	3
CEL 483 Enabling Others to Lead and Teach	3
CEL 484 Confirmation Planning & Implementation	2

CEL 485 Parish Education Program Administration	3
CEL 486 Family Life Ministry	3
CEL 487 Planning Adult Education in the Parish	3

Total Hours: 19

DCE SPECIALIST DIPLOMA PROGRAM

ADMISSION

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

PURPOSE

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

GENERAL REQUIREMENTS

A. Admission to the Program

1. Students must have a bachelor's degree. (Persons without an education degree may need additional education courses.)
    2. Students must submit the following admissions materials:
        a. Undergraduate transcript of grades
        b. DCE Specialist application form
        c. Three recommendations (one from home pastor or DCE)
        d. 1,000-word autobiographical statement
        e. Qualifying interview approval letter
    3. After the admission materials are submitted, students will complete an admission interview on the Concordia campus. Following the interview, students will be given several learning goals, and the proposed plan of study will be developed.

B. Course Requirements

1. Must have completed a minimum of 27 hours of theology or their equivalent in the following areas: Biblical—12 hours (REL 121, 131, an interpretation course, Theo 450); Doctrine—9 hours (THEO 361, 362, 489); Practical—6 hours (THEO 385, 482; CEL 487).
2. Must complete other course requirements as outlined in the proposed plan of study. It is likely that the remaining courses will not exceed 21 hours beyond those required in No. 1.
3. Internship in a parish for one year (unless extensive prior experience suggests a shorter internship) for 30 credit hours or equivalent parish experience.

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

COLLEGE OF ARTS AND SCIENCES

The programs of the College of Arts and Sciences seek to provide students with a broad and integrated foundation for faithful service to God and neighbor. Through study in the humanities, social sciences, natural sciences, mathematics, business, and computing, students are prepared to make thoughtful vocational choices; to engage in effective Christian citizenship across all areas of life; and to develop the intellectual, ethical, and relational capacities required for leadership, community engagement, and responsible participation in a global society.

The College of Arts and Sciences emphasizes critical thinking, effective communication, quantitative reasoning, scientific inquiry, and ethical discernment, grounded in a Christian worldview. These programs equip students both for immediate professional pathways and for lifelong learning in a rapidly changing world.

All College of Arts and Sciences students, regardless of major, must earn at least a 2.00 grade point average in the courses required for their major to graduate with that major.

The undergraduate program in the College of Arts and Sciences consists of, at a minimum, general education requirements, a major, and selected electives totaling 120 semester hours. Concordia requires an additional 30 credit hours (150 total hours) for completion of a second bachelor's degree.

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

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

A related option offered by the Department of Education is the secondary field endorsement: Business, Marketing, and Information Technology.

Students in the College of Arts and Sciences select a degree objective—Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, or Bachelor of Science. Only one degree of each type may be earned. Within the chosen degree, students select one or more majors from the lists below.

DEGREES

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

MAJORS

Accountancy

Agricultural Science

Applied Communication

Art Studio

Art Education

Art Therapy

Biology

Business Administration

Business Communication

Chemistry

Church Music

Classical Liberal Arts

Computer Science

Data Science

English

Environmental Science

Environmental Studies

Geography

Graphic Design

History

Journalism and Public Relations

Marketing

Mathematics

Music

Music Education

Physical Science

Physical Science (Comprehensive)

Physical Science Studies

Physics

Spanish

Strategic Communication

Theatre

Theology

World and Intercultural Studies

MINORS

Accounting

Agricultural Science

Art

Art History

American Sign Language

Biblical Languages

Biology

Biochemistry

Business

Chemistry

Church Music

Classical Liberal Arts

Communication

Composition and Rhetoric

Computer Science

Cyber Security

Digital Media

English as a Second Language

English

Environmental Studies

Geography

Geospatial Technology

Graphic Design

History

Interpersonal Communication

Journalism and Public Relations

Leadership

Literature

Mandarin

Marketing

Mathematics

Missional Leadership

Music

Philosophy

Physical Science

Physics

Religious Education

Self-Directed*

Spanish

Theatre

Theology

Urban Ministry

Vocational Leadership

World and Intercultural Studies

Writing

Youth Ministry

*Students may select 18 hours of courses. Must submit a written rationale for course selection to the chair of major department and/or department most represented by minor; must be approved by advisor, appropriate department chair, and dean. At least 9 of the hours must be 300 level or higher. A maximum of 6 hours may be used from general education or major areas. 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.

Minors are available to all students. Minors are not available in an area like student's major. The College of Education, Health and Human Sciences r additional minors.

DEPARTMENT OF ART

The art program offers four areas of study leading to four areas of specialization: art education, art therapy, ecclesiastical art, graphic design and studio art. The art education program prepares students to teach art at the elementary and/or secondary levels and equips them to be leaders in the classroom, in the congregation and in the community. Concordia offers a Bachelor of Science in Education (BSED). (Related options within Teacher Education include the Art concentration (Elementary) and Art (K-12) field endorsement. All requirements for the BSED and teacher certification must also be completed.)

The art therapy program prepares students seeking to apply to graduate school in art therapy and provides a quality foundation for students to use the creative process to help people of all ages improve their health and emotional well-being. Concordia offers a B.A. in art therapy. The graphic design program prepares students for a career or further study in the field of graphic design involving skills in conceptualization, visualization, communication, layout, illustration, typography, and digital imaging. Concordia offers a B.A. and a B.F.A. in graphic design. The studio art program prepares students seeking to apply to graduate school in studio art and provides a quality foundation for students pursuing careers as fine artists or in related fields such as museum work or post-secondary teaching. Concordia offers a B.A. and a B.F.A. in studio art.

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

DEGREES

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science in Education – Art

MAJORS

Art Education

Art Therapy

Graphic Design

Studio Art

MINORS

Art History

Graphic Design

Self-Directed

Studio Art

BACHELOR OF ARTS

Studio Art (Bachelor of Arts)

Course Number/Title	Credit Hours
ART 103 Studio I – Observational Drawing	3
ART 145 Digital Imaging	3
ART 161 Visual Studies	3
ART 190 Graphic Design	3
ART 203 Two-Dimensional Design	3
ART 205 Three-Dimensional Design	3
ART 213 Studio II – Integrated Materials	3
ART 214 Studio III – Figure and Time	3
ART 215 Studio IV – Studies in Monochrome Surface	3
ART 223 Water Based Media	3
ART 235 Digital Photography	3
ART 242 Ceramics – Hand Building and Slip Casting	3
ART 243 Ceramics – Wheel Throwing	3
ART 271 Art History I	3
ART 272 Art History II	3
ART 273 Art History III	3
ART 315 Printmaking	3
ART 325 Painting	3
ART 345 Sculpture	3
ART 425 Inter-Media	3
ART 489 Portfolio and the Art Vocation	3
Advanced Studio – choose three:	9
ART 216 Advanced Drawing (3)	
ART 224 Advanced Water Based Media (3)	
ART 244 Advanced Ceramics (3)	
ART 316 Advanced Printmaking (3)	
ART 326 Advanced Painting (3)	
ART 335 Advanced Digital Photography (3)	
ART 346 Advanced Sculpture (3)	
ART 426 Advanced Inter-Media (3)	
ART 450 Advanced Studio (3)	

Total Hours: 72

Art Therapy (Bachelor of Arts)

Course Number/Title	Credit Hours
ART 103 Studio I – Observational Drawing	3
ART 145 Digital Imaging	3
ART 161 Visual Studies	3
ART 200 Art Therapy	3
ART 203 Two-Dimensional Design	3
ART 205 Three-Dimensional Design	3
ART 213 Studio II – Integrated Materials	3
ART 214 Studio III – Figure and Time	3
ART 223 Water Based Media	3
ART 235 Digital Photography	3
ART 243 Ceramics – Wheel Throwing	3
ART 271 Art History I	3
ART 272 Art History II	3
ART 273 Art History III	3
ART 301 Methods of Art Education	2
ART 315 Printmaking	3
ART 325 Painting	3

ART 425 Inter-Media	3
ART 489 Portfolio and the Art Vocation	3
MATH 122 Introduction to Statistics	3
PSY 101 Introduction to Psychology	3
PSY 221 Lifespan Development	3
PSY 341 Group Techniques	3
PSY 345 Social Psychology	3
PSY 442 Introduction to Counseling	3
PSY 445 Abnormal Psychology	3
PSY 451 Personality Theory	3

Total Hours: 80

Graphic Design (Bachelor of Arts)

Course Number/Title	Credit Hours
ART 103 Studio I – Observational Drawing	3
ART 145 Digital Imaging	3
ART 161 Visual Studies	3
ART 190 Graphic Design	3
ART 203 Two-Dimensional Design	3
ART 205 Three-Dimensional Design	3
ART 235 Digital Photography	3
ART 240 Video Production	3
ART 271 Art History I	3
ART 272 Art History II	3
ART 273 Art History III	3
ART 280 Typography	3
ART 303 Layout and Design	3
ART 351 Illustration	3
ART 365 Interactive Design	3
ART 390 Graphic Design Internship	3
ART 403 Brand Development	3
ART 407 Design Systems	3
ART 489 Portfolio and the Art Vocation	3
ART 490 Cross Platform Narrative Design	3
Electives (choose 4)	12
ART 241 Advanced Video Production (3)	
ART 315 Printmaking (3)	
ART 335 Advanced Digital Photography (3)	
ART 352 Advanced Illustration (3)	
ART 366 Advanced Interactive Design (3)	

Total Hours: 72

BACHELOR OF FINE ARTS

Concordia University offers the Bachelor of Fine Arts (B.F.A.) degree in studio art and graphic design or illustration. The B.F.A. is the preferred undergraduate degree for those intending to enter professions in art and design. Its emphasis is on the development of skills, concepts, and sensibilities essential to professional artists and designers. The purpose of the program is to prepare professional artists and designers, whether in the role of commercial artist or studio artist. 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 people's lives.

To enter the BFA program in 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.

Art students interested in pursuing a Bachelor of Fine Arts degree will apply the fall semester of their junior year during the Foundation Portfolio Review which serves as the formal application process. To be admitted to the BFA program in graphic design or studio art, the student must complete the foundations sequence of the art curriculum, earn a minimum cumulative grade point average of 3.1, participate in the Annual Student Art Exhibition and pass the review by scoring an average of 4 or above on the assessment rubric.

On admission to the BFA program, the Chairman of the Department of Art will submit names of the BFA candidates to the registrar's office and direct the BFA candidates to update their degree via the Academic Program Declaration located on the Academic Forms Portal.

A. Foundations (24 hours)

Course Number/Title	Credit Hours
ART 103 Studio I – Observational Drawing	3
ART 145 Digital Imaging	3
ART 190 Graphic Design	3
ART 203 Two-Dimensional Design	3
ART 205 Three-Dimensional Design	3
ART 213 Studio II – Integrated Materials*	3
ART 214 Studio III – Figure and Time*	3
ART 215 Studio IV – Studies in Monochrome Surface*	3

*BFA Graphic Design majors are not required to take ART 213, ART 214 or ART 215, for a total of 15 Foundation hours.

B. Art History and Theory (12 hours)

Course Number/Title	Credit Hours
ART 161 Visual Studies	3
ART 271 Art History I	3
ART 272 Art History II	3
ART 273 Art History III	3

C. Art Theory (3 hours) *

Course Number/Title	Credit Hours
ART 370 Studies in Art	3

*BFA Graphic Design majors are not required to take ART 370.

D. Major: Choose one of the following majors:

Studio Art (Bachelor of Fine Arts)

Course Number/Title	Credit Hours
ART 223 Water Based Media	3
ART 235 Digital Photography	3
ART 242 Ceramics – Hand Building and Slip Casting	3
ART 243 Ceramics – Wheel Throwing	3
ART 315 Printmaking	3
ART 325 Painting	3
ART 345 Sculpture	3
ART 425 Inter-Media	3
ART 489 Portfolio and the Art Vocation	3
ART 499 BFA Honors Thesis Capstone	3

Advanced Studio (choose three–students can repeat an advanced course)	9
ART 216 Advanced Drawing (3)	
ART 224 Advanced Water Based Media (3)	
ART 244 Advanced Ceramics (3)	
ART 316 Advanced Printmaking (3)	
ART 326 Advanced Painting (3)	
ART 335 Advanced Digital Photography (3)	
ART 346 Advanced Sculpture (3)	
ART 426 Advanced Inter-Media (3)	

Total Hours: 75

Graphic Design (Bachelor of Fine Arts)

Course Number/Title	Credit Hours
ART 235 Digital Photography	3
ART 240 Video Production	3
ART 280 Typography	3
ART 303 Layout and Design	3
ART 315 Printmaking	3
ART 351 Illustration	3
ART 365 Interactive Design	3
ART 390 Graphic Design Internship	3
ART 403 Brand Development	3
ART 407 Design Systems	3
ART 489 Portfolio and the Art Vocation	3
ART 490 Cross Platform Narrative Design	3
ART 499 BFA Honors Thesis Capstone	3
Electives (choose four):	12
ART 214 Figure and Time (3)	
ART 223 Water Based Media (3)	
ART 241 Advanced Video Production (3)	
ART 316 Advanced Printmaking (3)	
ART 335 Advanced Digital Photography (3)	
ART 352 Advanced Illustration (3)	
ART 366 Advanced Interactive Design (3)	

Total Hours: 78

MINORS

Studio Art

Course Number/Title	Credit Hours
ART 103 Studio I – Observational Drawing	3
ART 203 Two-Dimensional Design	3
ART 205 Three-Dimensional Design	3
ART 243 Ceramics – Wheel Throwing	3
ART 325 Painting	3
ART 345 Sculpture	3

Total Hours: 18

Art History

Course Number/Title	Credit Hours
ART 161 Visual Studies	3
ART 260 Christian Faith in Art and Architecture	3
ART 271 Art History I	3
ART 272 Art History II	3
ART 273 Art History III	3
ART 370 Studies in Art	3

Total Hours: 18

Graphic Design

Course Number/Title	Credit Hours
ART 145 Digital Imaging	3
ART 190 Graphic Design	3
ART 280 Typography	3
ART 303 Layout and Design	3
ART 365 Interactive Design	3
ART 403 Brand Development	3

Total Hours: 18

BACHELOR OF SCIENCE IN EDUCATION – ART

Art K-12 Certification (BSED)

Course Number/Title	Credit Hours
ART 103 Studio I – Observational Drawing	3
ART 145 Digital Imaging	3
ART 161 Visual Studies	3
ART 190 Graphic Design	3
ART 203 Two-Dimensional Design	3
ART 205 Three-Dimensional Design	3
ART 223 Water Based Media	3
ART 235 Digital Photography	3
ART 242 Ceramics – Hand Building and Slip Casting	3
ART 271 Art History I	3
ART 272 Art History II	3
ART 273 Art History III	3
ART 301 Methods of Art Education	2
ART 315 Printmaking	3
ART 325 Painting	3
ART 345 Sculpture	3
ART 489 Portfolio and the Art Vocation	3
EDUC 377 is the methods course for this endorsement. +	3

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

Total Hours: 53

PAUL H. & MARY ANN KOEHLER DEPARTMENT OF BUSINESS

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

The 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 business communication major is designed for students who are interested in careers in business writing, media relations and management, advertising, and organizational interaction.

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

A related option offered by the Department of Education is the secondary field endorsement: Business, Marketing, and Information Technology.

DEGREES

Bachelor of Arts

Bachelor of Science

MAJORS

Accountancy

Business Administration

Business Communication

Marketing

MINORS

Accounting

Business

Leadership

Marketing

Vocational Leadership

BACHELOR'S TO MASTER'S PROGRAM

MASTER'S OF BUSINESS ADMINISTRATION

The Bachelor's to Master's in Business Administration program is established for those undergraduates pursuing majors offered by the Department of Business who desire to begin a Master of Business Administration while completing a Bachelor's degree. Students should work with advisors to complete the application and registration forms. Admitted students may enroll in the following master's courses while an undergraduate:

MBA Administration Course/UG course replaced

MBA 505 – BUS 300 Business Law
MBA 525 – BUS 443 Organizational Behavior
MBA 530 – BUS 331 Finance
MBA 531 – CTA 203 Communication Theory
MBA 551 – BUS 343 Operations Management
MBA 610 – BUS 351 Human Resources Management

See graduate catalog for course descriptions

Accountancy (Bachelor of Science)

Course Number/Title	Credit Hours
BUS 121 Financial Accounting	3
BUS 122 Managerial Accounting	3
BUS 221 Intermediate Accounting I	4
BUS 222 Intermediate Accounting II	4
BUS 261 Marketing	3
BUS 281 Business Communication	3
BUS 300 Business Law	3
BUS 321 Cost Accounting	3
BUS 322 Advanced Accounting	3
BUS 323 Financial Statement Analysis and Decision Making	3
BUS 325 Accounting and Information Systems	4
BUS 331 Finance	3
BUS 343 Operations Management	3
BUS 345 Management Science	3
BUS 399 Internship	3
BUS 400 Business Ethics	3
BUS 421 Tax Accounting	3
BUS 422 Auditing	3
BUS 443 Organizational Behavior	3
BUS 446 Strategic Management	3
ECON 101 Principles of Macroeconomics	3
ECON 102 Principles of Microeconomics	3
MATH 122 Introduction to Statistics or MATH 128 Introduction to Data Science	3

Total Hours: 72

Business Administration (Bachelor of Arts)

Course Number/Title	Credit Hours
BUS 121 Financial Accounting	3
BUS 122 Managerial Accounting	3
BUS 261 Marketing	3
BUS 281 Business Communication	3
BUS 300 Business Law	3

or AGRI 300 Agricultural Law	
BUS 331 Finance	3
BUS 343 Operations Management	3
BUS 351 Human Resources Management	3
BUS 371 Information Systems	3
BUS 399 Internship	3
BUS 400 Business Ethics	3
BUS 443 Organizational Behavior	3
BUS 446 Strategic Management	3
ECON 101 Principles of Macroeconomics	3
ECON 102 Principles of Microeconomics	3
MATH 122 Introduction to Statistics	3
or MATH 128 Introduction to Data Science	

Total Hours: 48

Business Administration (Bachelor of Science)

Course Number/Title	Credit Hours
BUS 121 Financial Accounting	3
BUS 122 Managerial Accounting	3
BUS 261 Marketing	3
BUS 281 Business Communication	3
BUS 300 Business Law	3
Or AGRI 300 Agricultural Law	
BUS 331 Finance	3
BUS 343 Operations Management	3
BUS 345 Management Science*	3
BUS 351 Human Resources Management	3
BUS 371 Information Systems	3
BUS 399 Internship	3
BUS 400 Business Ethics	3
BUS 443 Organizational Behavior	3
BUS 446 Strategic Management	3
ECON 101 Principles of Macroeconomics	3
ECON 102 Principles of Microeconomics	3
MATH 122 Introduction to Statistics	3
or MATH 128 Introduction to Data Science	

*BUS 345 is not required for the Agribusiness concentration.

Business Concentration (12-16 Hours)

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

Students completing the B.S. degree with the Business Administration major may complete and list more than one concentration. However,

- Students completing the B.S. degree with the Business Administration major and the Accounting concentration cannot also list a minor in Accounting.
- Students completing the B.S. degree with the Business Administration major and the Leadership concentration cannot also list a minor in Leadership.
- Students completing the B.S. degree with the Business Administration major and the Marketing concentration cannot also list a minor in Marketing.

Accounting Concentration (13-14 hours)

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

Agribusiness Concentration (16 hours)

Course Number/Title	Credit Hours
AGRI 230 Fundamentals of Farm & Ranch Management	4
or AECN 201 Farm & Ranch Management	
AGRI 316 Agribusiness Management	3
or AECN 316 Agribusiness Management	3
AGRI 235 Fundamentals of Agricultural Marketing	3
or AECN 235 Introduction to Commodity Marketing	
Two courses from:	6
AGRI 238 Domestic and International Ag Issues (3)	
AGRI 300 Agricultural Law (3)	
AGRI 315 Farm Accounting, Analysis, and Tax Mgmt. (3)	
AGRI 335 Advanced Commodity Marketing (3)	
AECN 225 Agribusiness Entrepreneurship in food (3)	
AECN 256 Legal Aspects in Agriculture (3)	
AECN 301 Farm Records/Tax Management (3)	
AECN 325 Marketing Agricultural Commodities (3)	
AECN 416 Advanced Agribusiness Management (3)	
AECN 452 Agricultural Finance (3)	
AECN 453 Agricultural Property Appraisal (3)	

AECN courses are taken through consortium agreement at UNL.

Communication Concentration (12 hours)

Course Number/Title	Credit Hour
CTA 203 Communication Theory	3
CTA 301 Public Relations	3
Two courses from:	6
CTA 241 Media Literacy (3)	
CTA 306 Interpersonal Communication (3)	
PSY 341 Group Techniques (3)	

Entrepreneurship Concentration (12 hours)

Course Number/Title	Credit Hours
BUS 111 Entrepreneurship Foundations	3
BUS 211 Identifying and Exploring Entr. Opportunities	3
BUS 311 Business Plan Development & Decision Making	3
BUS 411 Entrepreneurship – Venture Mgmt. Tools & Tech.	3

Finance Concentration (12-13 hours)

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

Leadership Concentration (15 hours)

Course Number/Title	Credit Hours
BUS 195 Leadership Foundations	3
BUS 295 Servant Leadership	3
BUS 395 Leadership Skills Development	3
BUS 396 Coaching Leadership Development	3
BUS 480 Business as Mission	3
or BUS 495 Senior Seminar in Leadership and Ethics	

Marketing Concentration (12 hours)

Course Number/Title	Credit Hours
BUS 362 Advertising/Integrated Marketing Communication	3
BUS 363 Sales and Sales Management	3
Two courses from:	6
BUS 364 Consumer Behavior (3)	
BUS 366 Marketing Research (3)	
BUS 368 Digital Marketing (3)	
CTA 203 Communication Theory (3)	
CTA 301 Public Relations (3)	

Total Hours: 63-66

Business Communication (Bachelor of Science)

Course Number/Title	Credit Hours
BUS 121 Financial Accounting	3
BUS 261 Marketing	3
BUS 281 Business Communication	3
BUS 331 Finance	3
BUS 351 Human Resources Management	3
BUS 362 Advertising/Integrated Marketing Communication	3
BUS 371 Information Systems	3
BUS 399/CTA 499 Internship	3
BUS 400 Business Ethics	3
BUS 443 Organizational Behavior	3
BUS 446 Strategic Management	3
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 225 Writing and Reporting	3
or CTA 242 Introduction to Broadcast Journalism	
CTA 241 Media Literacy	3
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	3
or CTA 333 Intercultural Communication	
ECON 102 Principles of Microeconomics	3
MATH 122 Introduction to Statistics	3
or MATH 128 Introduction to Data Science	
PSY 341 Group Techniques	3

Total Hours: 60

Marketing (Bachelor of Science)

Course Number/Title	Credit Hours
ART 145 Digital Imaging	3
BUS 121 Financial Accounting	3
BUS 261 Marketing	3
BUS 281 Business Communication	3
BUS 331 Finance	3
BUS 362 Advertising/Integrated Marketing Communication	3
BUS 363 Sales and Sales Management	3
BUS 364 Consumer Behavior	3
BUS 366 Marketing Research	3
BUS 368 Digital Marketing	3
BUS 371 Information Systems	3
BUS 400 Business Ethics	3
BUS 446 Strategic Management	3
CTA 203 Communication Theory	3
CTA 226 Journalistic Editing and Design	3
or ART 190 Graphic Design*	
CTA 241 Media Literacy	3
or CTA 242 Introduction to Broadcast Journalism	
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	3
or CTA 333 Intercultural Communication	
CTA 499/BUS 399 Internship	3
ECON 102 Principles of Microeconomics	3
MATH 122 Introduction to Statistics	3
or MATH 128 Introduction to Data Science	

*ART 190 has prerequisites of ART 103, 145, and 203.

Total Hours: 63

MINORS

Accounting

Course Number/Title	Credit Hours
BUS 121 Financial Accounting	3
BUS 122 Managerial Accounting	3
BUS 221 Intermediate Accounting I	4
BUS 222 Intermediate Accounting II	4
Two courses from:	6
BUS 321 Cost Accounting (3)	
BUS 322 Advanced Accounting (3)	
BUS 421 Tax Accounting (3)	
BUS 422 Auditing (3)	

Total Hours: 20

Business

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

Total Hours: 18

Leadership

Course Number/Title	Credit Hours
BUS 195 Leadership Foundations	3
BUS 295 Servant Leadership	3
BUS 395 Leadership Skills Development	3

BUS 396 Coaching Leadership Development	3
or PSY 341 Group Techniques	
BUS 400 Business Ethics	3
BUS 480 Business as Mission	3
or BUS 495 Senior Seminar in Leadership and Ethics	

Total Hours: 18

Marketing

Course Number/Title	Credit Hours
BUS 261 Marketing	3
BUS 362 Advertising & Integrated Marketing Communication	3
CTA 301 Public Relations	3
Three marketing electives from:	9

BUS 363 Sales and Sales Management (3)
BUS 364 Consumer Behavior (3)
BUS 366 Marketing Research (3)
BUS 368 Digital Marketing (3)

Total Hours: 18

Vocational Leadership*

Course Number/Title	Credit Hours
VCLD 101 Becoming a Vocational Leader	3
VCLD 102 A Biblical View of Work, Vocation, and Faith	3
VCLD 201 Vocational Followership 1	3
VCLD 202 Vocational Followership 2	3
VCLD 301 Vocational Leadership 1	3
VCLD 401 Vocational Leadership 2	3

Total Hours: 18

* Available only to students who are members of the Paul Scholars program.

DEPARTMENT OF COMPUTER SCIENCE AND MATHEMATICS

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.

Related options within Teacher Education include the Information Technology Elementary Endorsement and the Information Technology Supplemental Secondary Endorsement. All requirements for the Bachelor of Science in Education and teacher certification must also be completed.

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.

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

Related options within Teacher Education include the Mathematics concentration (Elementary), Mathematics content teaching area (Middle Level), and the Mathematics field endorsement (Secondary). All requirements for the Bachelor of Science in Education and teacher certification must also be completed.

DEGREES

Bachelor of Arts

Bachelor of Science

MAJORS

Computer Science

Data Science

Mathematics

MINORS

Computer Science

Cybersecurity

Mathematics

Computer Science (Bachelor of Arts)

Course Number/Title	Credit Hours
Computer Science Core (29 hours)	
CS 131 Computer Science I	4
CS 141 Computer Science II	3
CS 231 Computer Systems	4
CS 241 Computer Organization	3
CS 331 Software Engineering	3
CS 334 Organization of Programming Languages	3
CS 344 Data Structures and Algorithm Analysis	3
CS 360 Operating Systems & Computer Arch.	3
CS 391 Computer Science Senior Project	3
or CS 399 Computer Science Internship	
Electives: select 4 courses	12
(any 300-level course in Computer Science)	
MATH 252 Mathematical Structures	3
MATH 182 Calculus with Applications (3)	3-4
or MATH 184 Calculus I (4)	

Total Hours: 47-48

Computer Science (Bachelor of Science)

Course Number/Title	Credit Hours
Computer Science Core – See B.A.	29
Electives: select 4 courses	12
(any 300-level course in Computer Science)	
CS 348 Discrete Structures	3
MATH 184 Calculus I	4
MATH 186 Calculus II	4
MATH 252 Mathematical Structures	3
MATH 322 Foundations of Statistics	3
MATH 333 Linear Algebra	3

Total Hours: 61

Data Science (Bachelor of Science)

Course Number/Title	Credit Hours
CS 131 Computer Science I	4
CS 141 Computer Science II	3
CS 322 Foundations of Data Science	3
CS 323 Machine Learning	3
CS 331 Software Engineering	3
CS 344 Data Structures and Algorithm Analysis	3
CS 348 Discrete Structures	3
CS 351 Database Design and Management	3
MATH 128 Introduction to Data Science	3
MATH 184 Calculus I	4
MATH 186 Calculus II	4

MATH 252 Mathematical Structures	3
MATH 322 Foundations of Statistics	3
MATH 333 Linear Algebra	3
MATH 475 Mathematical Modeling	3
MATH 491 Data Science Senior Project	3

Applications Courses (6 credits) Students must take 6 credits of department approved coursework in a discipline where data science is applicable. An example of a two-course sequence to satisfy this requirement is GEOG 361 Introduction to Geographic Information Systems and GEOG 461 Advanced Geographic Information Systems.

Total Hours: 57

Mathematics (Bachelor of Science)

Course Number/Title	Credit Hours
Mathematics Core (33 hours)	
MATH 184 Calculus I	4
MATH 186 Calculus II	4
MATH 252 Mathematical Structures	3
MATH 284 Calculus III	4
MATH 322 Foundations of Statistics	3
MATH 332 Abstract Algebra	3
or MATH 382 Real Analysis	
MATH 333 Linear Algebra	3
MATH 384 Differential Equations	3
MATH 475 Mathematical Modeling	3
CS 131 Computer Science I	4
Choose four electives	12
MATH 318 Seminar in Mathematics (3)	
MATH 321 Numerical Analysis (3)	
MATH 332 Abstract Algebra (3)	
MATH 335 Number Theory (3)	
MATH 348 Discrete Mathematics (3)	
MATH 365 Foundations of Geometry (3)	
MATH 382 Real Analysis I (3)	
CS 141 Computer Science II (3)	

Total Hours: 46

MINORS

Computer Science

Course Number/Title	Credit Hours
CS 131 Computer Science I	4
CS 141 Computer Science II	3
Elective: Select 12 hours CS 200+ level	12

Total Hours: 19

Cybersecurity

Course Number/Title	Credit Hours
CS 131 Computer Science I	4
CS 211 Seminar in Information Technology (3)	3-4
or CS 231 Computer Systems (4)	
CS 311 Cybersecurity	3
CS 312 Digital Forensics	3
CS 341 Computer Networks	3
CJ 101 Introduction to Criminal Justice	3
CJ 220 Criminal Law	3
CJ 260 Criminology	3
or CJ 400 Ethics in Criminal Justice	

Total Hours: 25-26

Mathematics

Course Number/Title	Credit Hours
MATH 184 Calculus I	4
MATH 186 Calculus II	4
MATH 252 Mathematical Structures	3
MATH 322 Foundations of Statistics	3
Select two courses from:	6-7
MATH 284 Calculus III (4)	
MATH 321 Numerical Analysis (3)	
MATH 332 Abstract Algebra I (3)	
MATH 333 Linear Algebra (3)	
MATH 335 Number Theory (3)	
MATH 348 Discrete Mathematics (3)	
MATH 382 Real Analysis (3)	
MATH 384 Differential Equations (3)	

Total Hours: 20-21

DEPARTMENT OF ENGLISH, COMMUNICATION AND THEATRE ARTS

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

Related options within Teacher Education include the Language Arts concentration (Elementary), English Language Arts content teaching area (Middle Level), English Language Arts field endorsement (Secondary), Secondary English Subject, Speech supplemental endorsement, Theatre supplemental endorsement, and Journalism and Media Education supplemental endorsement. (All requirements for the Bachelor of Science in Education and teacher certification must also be completed.)

DEGREES

Bachelor of Arts

MAJORS

Applied Communication

English

Journalism and Public Relations

Strategic Communication

Theatre

MINORS

Communication

Composition and Rhetoric

English

Interpersonal Communication

Journalism and Public Relations

Literature

Theatre

Writing

Applied Communication (Bachelor of Arts)

Course Number/Title	Credit Hours
CTA 103 Experiences in Human Communication	3
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 224 Listening	3
CTA 241 Media Literacy or CTA 285 Social Media	3
CTA 300 Placement Seminar	1
CTA 306 Interpersonal Communication	3
CTA 309 Small Group Theory or PSY 341 Group Techniques	3
CTA 333 Intercultural Communication	3
CTA 399 Independent Study or CTA 499 Internship	3
CTA 400 Communication Research	3
ECTA 499 Capstone	3
Electives-Choices in allied fields as approved by advisor	6

Total Hours: 40

English (Bachelor of Arts)

Course Number/Title	Credit Hours
ENG 221 Intermediate Writing	3
ENG 231 Studies in the English Language	3
ENG 300 Placement Seminar	1
Two courses from: ENG 229 Writing for the Stage (3) ENG 326 Poetry Writing (3) ENG 327 Fiction Writing (3) ENG 328 Creative Nonfiction Writing (3)	6
One course from: ENG 341 American Literature I (3) ENG 342 American Literature II (3) ENG 343 American Literature III (3)	3
One course from: ENG 362 British Literature I (3) ENG 363 British Literature II (3) ENG 364 British Literature III (3)	3
ENG 366 Shakespeare	3
One course from: ENG 381 World Literature I (3) ENG 382 World Literature II (3) ENG 384 World Literature III (3)	3
One course from: ENG 383 Modern Poetry (3) ENG 385 Mythmaking and the Modern Novel (3) ENG 387 Modern and Postmodern Drama (3)	3
ENG 431 English Language and Linguistics	3
ECTA 499 Capstone	3
Six hours from the preceding options and/or: ENG 391 Children's Literature (3) ENG 392 Reading Interests of Adolescents (3)	6

Note: ENG 324 The Writing of Place or The New England Study Tour may be substituted for any English course, preferably American Literature. ENG 361 The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare.

Total Hours: 40

Journalism and Public Relations (Bachelor of Arts)

Course Number/Title	Credit Hours
ART 235 Digital Photography	3
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 225 Writing and Reporting	3
CTA 226 Journalistic Editing and Design	3
CTA 241 Media Literacy	3
CTA 242 Introduction to Broadcast Journalism	3

CTA 281 Business Communication	3
CTA 296 Journalism Practicum	1
CTA 300 Placement Seminar	1
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	3
CTA 327 Advanced Writing and Reporting	3
CTA 400 Communication Research	3
CTA 399 Independent Study or CTA 499 Internship	3
ECTA 499 Capstone: Special Topics in the Study of Language	3

Total Hours: 44

Strategic Communication (Bachelor of Arts)

Course Number/Title	Credit Hours
CTA 103 Experiences in Human Communication	3
CTA 203 Communication Theory	3
CTA 211 Public Speaking	3
CTA 241 Media Literacy	3
CTA/BUS 281 Business Communication	3
CTA 285 Social Media	3
CTA 300 Placement Seminar	1
CTA 301 Public Relations	3
CTA 302 Rhetorical Theory	3
CTA 306 Interpersonal Communication	3
CTA 311 Argumentation and Persuasion	3
CTA 400 Communication Research	3
ECTA 499 Capstone: Special Topics in the Study of Language	3
Electives-Choices in allied fields as approved by advisor	3

Total Hours: 40

Theatre (Bachelor of Arts)

Course Number/Title	Credit Hours
CTA 152 Basic Acting Technique	3
CTA 153 Theatre History	3
CTA 154 Creative Drama	3
CTA 211 Public Speaking	3
CTA 232 Costume and Make-Up Design	3
CTA 233 Stage Scenery, Lighting, and Sound	3
CTA 252 Theatre Production Workshop	3
CTA 300 Placement Seminar	1
CTA 373 Play Production	3
CTA 390 Dramaturgy	3
ENG 229 Writing for the Stage	3
ENG 387 Modern and Postmodern Drama	3
ECTA 499 Capstone: Special Topics in the Study of Language	3
Six hours from:	6
CTA 200 Forensics (3)	
CTA 231 Oral Interpretation (3)	
CTA 241 Media Literacy (3)	
CTA 242 Introduction to Broadcast Journalism (3)	
CTA 254 Improvisation as Outreach (3)	
CTA 270 Theatre Study Tour (1-3)	
CTA 298 Forensics Practicum (1)	
CTA 299 Theatre Practicum (1)	
CTA 333 Intercultural Communication (3)	
CTA 385 Arts Administration (3)	
CTA 399 Independent Study (1-3)	
CTA 499 Internship (1-3)	
ECTA 350 Special Topics in ECTA (2-3)	

Total Hours: 43

MINORS

Communication

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

Total Hours: 18

Composition and Rhetoric

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

Total Hours: 21

English

Course Number/Title	Credit Hours
One course from:	3
ENG 341 American Literature I (3)	
ENG 342 American Literature II (3)	
ENG 343 American Literature III (3)	
One course from:	3
ENG 362 British Literature I (3)	
ENG 363 British Literature II (3)	
ENG 364 British Literature III (3)	
One course from:	3

ENG 366 Shakespeare (3)
ENG 381 World Literature I (3)
ENG 382 World Literature II (3)
ENG 384 World Literature III (3)

One course from: 3

ENG 221 Intermediate Writing (3)
ENG 229 Writing for the Stage (3)
ENG 326 Poetry Writing (3)
ENG 327 Fiction Writing (3)
ENG 328 Creative Nonfiction Writing (3)

ENG 231 Studies in the English Language 3

Six additional hours of English above ENG 201 6

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Total Hours: 21

Interpersonal Communication

Course Number/Title	Credit Hours
CTA 203 Communication Theory	3
CTA 306 Interpersonal Communication	3
CTA 309 Small Group Theory	3
CTA 333 Intercultural Communication	3
Six hours from:	6

BUS 351 Human Resources Management (3)
BUS 443 Organizational Behavior (3)
CEL 486 Family Life Ministry (3)
CTA 200 Forensics (3)
CTA 301 Public Relations (3)
CTA 400 Communication Research (3)
ECTA 350 Special Topics in ECTA (2-3)
PSY/SOC 306 Intro to Psychological/Social Research (3)
SOC 201 Cultural Anthropology (3)
SOC 331 The Family (3)
SOC 333/PSY 402 Social Gerontology (3)
SOC 361 Social Theory (3)
SW 201 Introduction to Social Work (3)
PSY 341 Group Techniques (3)
PSY 421 Adolescent Psychology and Development (3)
PSY 442 Introduction to Counseling (3)
PSY 445 Abnormal Psychology (3)
PSY 451 Personality Theory (3)

Total Hours: 18

Journalism and Public Relations

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

Total Hours: 18

Literature

Course Number/Title	Credit Hours
One course from:	3

ENG 341 American Literature I (3)
ENG 342 American Literature II (3)
ENG 343 American Literature III (3)

One course from: 3

ENG 362 British Literature I (3)
ENG 363 British Literature II (3)
ENG 364 British Literature III (3)
ENG 366 Shakespeare (3)

One course from: 3

ENG 381 World Literature I (3)
ENG 382 World Literature II (3)
ENG 384 World Literature III (3)

One course from: 3

ENG 383 Modern Poetry (3)
ENG 385 Mythmaking and the Modern Novel (3)
ENG 387 Modern and Postmodern Drama (3)

Six hours from the preceding courses or: 6

ENG 391 Children's Literature (3)
ENG 392 Reading Interests of Adolescents (3)
ENG 399 Independent Study (1-3)
ENG 499 Internship (1-3)
GRK 410 Acts (3)
GRK 420 Pauline Epistles (3)
GRK 430/HEB 440 Textual Criticism/Intertest. Rel. (3)
HEB 410 Latter Prophets Exodus and Deuteronomy (3)
HEB 420 Exodus and Deuteronomy (3)
HEB 430 Psalms & Wisdom Literature (3)
THEO 242 Interpretation of Selected Psalms (3)
THEO 251 Interpretation of Selected Pauline Epistles (3)
THEO 252 Interpretation of the Gospels (3)
SPAN 341 Introduction to Hispanic Literature (3)
SPAN 342 Intro to Analysis of Hispanic Literature (3)

Note: ENG 324 The Writing of Place or The New England Study Tour may be substituted for any English course, preferably American Literature ENG 361 The London Literary Tour may be substituted for any English course, preferably British Literature or Shakespeare.

Total Hours: 18

Theatre

Course Number/Title	Credit Hours
CTA 152 Basic Acting Technique	3
CTA 153 Theatre History	3
CTA 154 Creative Drama	3
CTA 373 Play Production	3
Nine hours from:	9

CTA 231 Oral Interpretation (3)
CTA 232 Costume and Makeup Design (3)
CTA 233 Stage Scenery, Lighting and Sound (3)
CTA 252 Theatre Production Workshop (3)
CTA 390 Dramaturgy (3)
ENG 229 Writing for the Stage (3)

Total Hours: 21

Writing

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

- ENG 221 Intermediate Writing (3)
- ENG 229 Writing for the Stage (3)
- ENG 324 The Writing of Place (3)
- ENG 326 Poetry Writing (3)
- ENG 327 Fiction Writing (3)
- ENG 328 Creative Nonfiction Writing (3)
- ENG 399 Independent Study* (3)
- ENG 499 Internship (3)

*Only three hours may be Independent Study.

Total Hours 18

DEPARTMENT OF HISTORY, GEOGRAPHY, INTERCULTURAL STUDIES AND MODERN LANGUAGES

The Spanish major builds a student's verbal and written Spanish communication through language and grammar practice. Students will receive an overview of Spanish-speaking cultures through study of literature and history. This major is designed for the student who wishes to pursue ministry or a career in a Spanish-speaking country or with Spanish speakers in the United States. See the Bachelor of Science in Education (BSED) program for information on the Modern Language elementary concentration, Spanish content teaching area (Middle Level), and Spanish secondary subject.

The World and Intercultural Studies major is a cross-disciplinary degree that gives students a unique perspective on the world. Students are equipped with foundational core courses – plus courses chosen from a concentration to focus on interests, ideas, and issues that are most important or relevant to the student. An experiential capstone course rounds out this program.

- World and Intercultural Studies core 27 hours
- Concentration area 12 hours
- Concentration electives 6 hours
- Capstone experience 3 hours

This 48-credit hour major is designed for students with interests in international service, communication, world or domestic missions, language, or cultural studies. This major reinforces Concordia's mission to serve diverse populations in the church and world.

For additional options related to Modern Languages see the Bachelor of Science in Education program for the American Sign Language elementary endorsement, American Sign Language supplemental endorsement, and the Mandarin/Chinese secondary subject endorsement.

The Modern Language requirement can be fulfilled by participating in a Concordia approved study abroad program. Languages other than those offered at Concordia can be taken abroad to fulfill general education global multicultural course credits. See the Director of Global Opportunities for details on the campus study abroad process and approved study abroad program offerings.

For Teacher Education options related to History, see the History secondary subject endorsement. (All requirements for the BSED and teacher certification must also be completed.)

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

DEGREES

Bachelor of Arts

MAJORS

Geography

History

Spanish

MINORS

American Sign Language

English as a Second Language

Geography

Geospatial Technology

History

Mandarin

Missional Leadership

Spanish

World and Intercultural Studies

BACHELOR OF ARTS

Geography

Course Number/Title	Credit Hours
GEOG 101 Introduction to Geography	3
GEOG 202 World Regional Geography	3
GEOG 281 Physical Geography	4
GEOG 311 Geography of North America	3
GEOG 361 Intro to Geographic Info Systems	3
GEOG 385 Drone Tech and the Global Position System	3
GEOG 461 Advanced Geographic Info Systems	3
Upper-level Geography courses*	9

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

Total Hours: 31

History

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

Total Hours: 36

Spanish

30 hours of an approved specific sequence of courses in Spanish. Specific courses will vary, depending on the student's prior

studies of Spanish. For example, students with 3 - 4 years of Spanish in high school may be able to enroll directly in SPAN 201.

Course Number/Title	Credit Hours
Courses available to complete this major include:	30
SPAN 101 Beginning Spanish I (3)	
SPAN 102 Beginning Spanish II (3)	
SPAN 201 Intermediate Spanish I (3)	
SPAN 202 Intermediate Spanish II (3)	
SPAN 203 Intensive Conversation (3)	
SPAN 204 Intensive Composition (3)	
SPAN 305 Advanced Spanish Grammar and Comm (3)	
SPAN 307 Spanish Intensive Language Seminar (3)	
SPAN 321 Spanish Civilization and Culture (3)	
SPAN 331 Latin American Culture (3)	
SPAN 341 Introduction to Hispanic Literature (3)	
SPAN 342 Introduction to the Analysis of Hispanic Lit (3)	
SPAN 397 Special Topics in Spanish (1-3)	
SPAN 399 Independent Study (3)	

Total Hours: 30

MINORS

American Sign Language

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

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

Total Hours: 18

English as a Second Language

Course Number/Title	Credit Hours
CTA 333 Intercultural Communication (3)	3
or EDUC 326 Language and Culture (3)	
EDUC 225 Diverse Classrooms & Human Relations	3
EDUC 398 ESL Practicum	3
EDUC 425 ESL Instruction, Curriculum and Assessment	3
ENG 231 Studies in the English Language	3
or EDUC 323 Linguistics for Educators	
Modern Language choice	6

Total Hours: 21

Geography

Course Number/Title	Credit Hours
GEOG 101 Introduction to Geography	3
GEOG 202 World Regional Geography	3
GEOG 361 Intro to Geographic info System	3
GEOG 385 Drone Tech and Global Position System	3
Geography electives	6

Total Hours: 18

Geospatial Technology

Course Number/Title	Credit Hours
One course from:	3
GEOG 101 Introduction to Geography (3)	
GEOG 202 World Regional Geography (3)	
GEOG 311 Geography of North America (3)	
GEOG 361 Introduction to Geographic Information Systems	3
GEOG 385 Drone Technology and Global Positioning Sys	3
GEOG 461 Advanced Geographic Information Systems*	3
CS 131 Computer Science I	4
CS 211 Seminar in Information Technology	3
One course from:	3
CS 141 Computer Science II (3)	
BUS 371 Information Systems (3)	
CS 314 Applications Development (3)	

*Or an advisor-approved geospatial course by consortium at University of Nebraska – Lincoln.

History

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

Total Hours: 18

Mandarin

Course Number/Title	Credit Hours
CHNS 101 Beginning Mandarin I	3
CHNS 102 Beginning Mandarin II	3
CHNS 201 Intermediate Mandarin I	3
CHNS 202 Intermediate Mandarin II	3
Six hours from these choices (as needed): *	6
GEOG 341 Geography of Asia (3)	
HIST 303 Modern China (3)	
Mandarin language or topics coursework completed in Study Abroad	

*Students who have prior coursework in Mandarin may start with CHNS 102 or higher and will need additional courses to reach the 18 hours required for the minor.

Total Hours: 18

Missional Leadership

Course Number/Title	Credit Hours
GMC 270 Mission of God	3
GMC 280 Missional Leadership	3
One course from:	3
GMC 290 Cross-Cultural Perspectives (with trip) (3) GMC 470 Self-Directed Study in Missions (3)	
THEO 390 World Religions	3
Two courses from:	6
EDUC 326 Language and Culture (3) or CTA 333 Intercultural Communication (3) GEOG 202 World Regional Geography (3) or HIST 303 Modern China (3) or HIST 421 Latin America (3) HHP 489 Global Health (3) HIST 313 Religion and Society in the U.S. (3) PS 211 Global Issues (3) SOC 201 Cultural Anthropology (3)	

Total Hours: 18

Spanish

18 hours of an approved, specific sequence of courses. Courses will vary, depending upon the students' preparation. Students with little or no Spanish background will begin with SPAN 101. Those with two or more years of high school Spanish will begin with SPAN 102 or SPAN 201.

Total Hours: 18

World and Intercultural Studies

Course Number/Title	Credit Hours
EDUC 326 Language and Culture (3) or CTA 333 Intercultural Communication (3)	3
GEOG 202 World Regional Geography	3
SOC 201 Cultural Anthropology	3
THEO 390 World Religions	3
Two courses from:	6
GMC 270 Mission of God (3) GMC 280 Missional Leadership (3) GMC 290 Cross-Cultural Perspectives (3) PS 211 Global Issues (3) SOC 221 Social Problems (3)	

Total Hours: 18

DEPARTMENT OF MUSIC

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

DEGREES

Bachelor of Arts

Bachelor of Music

MAJORS

Church Music

Music

Music Education

MINORS

Church Music

Music

BACHELOR OF ARTS

Music

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

Course Number/Title	Credit Hours
MU 102 Aural Skills I	1
MU 103 Music Theory I	3
MU 104 Aural Skills II	1
MU 105 Music Theory II	3
MU 202 Aural Skills III	1
MU 203 Music Theory III	3
MU 204 Aural Skills IV	1
MU 205 Music Theory IV	3
MU 211 Music History to 1750	3
MU 212 Music History since 1750	3
MU 213 World Music	3
MU 320 Seminar in Music	3
MU 493 Senior Project*	1-2
Electives in Music**	5 or 6
Principal Instrument	8
Ensembles (may take for zero hours)	4
Keyboard proficiency: Pass keyboard skills test.	
Recital attendance: See *Music Student Handbook*.	

*Performance concentration requires 2 credit hours. Other tracks require 1 credit hour.

**MU 111 may not be applied to this degree.

Concentration – Select from one of the following:

Church Music

Course Number/Title	Credit Hours
CHMU 411 Christian Liturgy	3
Select from:	4
CHMU 221 Introduction to Church Music (2) CHMU 313 Christian Hymnody (2) CHMU 320 Church Choral Methods (2) CHMU 421 Church Music Administration (2)	

Conducting

Course Number/Title	Credit Hours
MU 251 Conducting I	2
MU 253 Conducting II	2
MU 399 Independent Study in Conducting	2-3
May choose either Choral or Instrumental	

General Music

Course Number/Title	Credit Hours
Select six hours from:	6
Additional music courses with prefixes MU, CHMU or MUED. MU 111, MUAP courses and Ensembles may not be used for these electives.	

Performance

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

Composition

Course Number/Title	Credit Hours
Select six hours from:	6
MU 303 Arranging (2)	
MUAP 291 Composition (1-2)	
MUAP 391 Composition (1-2)	
MUAP 491 Composition (1-2)	

Total Hours: 52-55

BACHELOR OF MUSIC

The requirements for each Bachelor of Music program include the general education requirements and the following. All Bachelor of Music programs require a 2.75 average in the courses listed below, under the student's particular program. For specific questions refer to the Music Student 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.

Church Music

Course Number/Title	Credit Hours
MU 102 Aural Skills I	1
MU 103 Music Theory I	3
MU 104 Aural Skills II	1
MU 105 Music Theory II	3
MU 202 Aural Skills III	1
MU 203 Music Theory III	3
MU 204 Aural Skills IV	1
MU 205 Music Theory IV	3
MU 211 Music History to 1750	3
MU 212 Music History since 1750	3
MU 213 World Music	3
MU 251 Conducting I	2
MU 253 Conducting II	2
MU 303 Arranging	2
MU 493 Senior Project	2
CHMU 221 Introduction to Church Music	2
CHMU 313 Christian Hymnody	2
CHMU 320 Church Choral Methods+	2
CHMU 325 Organ Literature and Design	2
CHMU 390 Service Project in Church Music+	1
CHMU 411 Christian Liturgy	3
CHMU 421 Church Music Administration	2
MUAP 385 Service Playing I	1
MUAP 386 Service Playing II	1
MUED 201 Introduction to Music Education	3
Electives in Music*	4
Principal instrument	14
Ensembles (may take for zero hours)	8
Must include:	
Minimum 4 total semesters of choral ensembles, one of which must be Mixed Chorus	
Minimum 1 semester Handbell ensemble	

Voice Proficiency: Satisfy level of MUAP 151.
Keyboard Proficiency: Pass keyboard skills test.
Church Music Practicum: See Music Student Handbook.
Recital Attendance: See Music Student Handbook.

*MU 111 may not be applied to this degree.

+Church music students who are also in the Music Education programs may substitute MUED 303 for CHMU 320 and MUED 451 for CHMU 390.

Total Hours: 78

Members of an LCMS congregation who complete the following additional courses are, upon recommendation by the faculty, placed on the church's roster as Directors of Parish Music.

- THEO 241/242/251/252 Biblical Interpretation (3)
- THEO 361 Doctrine and Confessions I (3)
- THEO 362 Doctrine and Confessions II (3)

Music Education

This program leads to one of two music teaching endorsement (PK–12) in the state of Nebraska, depending on concentration. For more information, see Bachelor of Science in Education: Approval for Nebraska Teaching Certificate.

PK-12 (4-Year Program)

Education Foundations

Course Number/Title	Credit Hours
EDPS 210 Educational Psychology and Child Development	3
EDUC 224 Teaching Exceptional Learners	3
EDUC 225 Diverse Classrooms & Human Relations	3
Choose one:	2
THEO 381 Christian Teach. Ministry (LTD/CTD) (2)	
EDUC 351 Service in Public Schools (2)	
EDUC 435 PK-12 Student Teaching Seminar	1
EDUC 476A PK-12 Student Teaching I	6
EDUC 476B PK-12 Student Teaching II	6

May choose an additional option:

- Lutheran Teacher Diploma (9)
- Christian Teacher Diploma (9)
- International Teacher Diploma (9)

See Secondary and PK-12 Education programs for options.

Music and Music Education

Course Number/Title	Credit Hours
MU 102 Aural Skills I	1
MU 103 Music Theory I	3
MU 104 Aural Skills II	1
MU 105 Music Theory II	3

MU 202 Aural Skills III	1
MU 203 Music Theory III	3
MU 204 Aural Skills IV	1
MU 205 Music Theory IV	3
MU 211 Music History to 1750	3
MU 212 Music History since 1750	3
MU 213 World Music	3
MU 251 Conducting I	2
MU 253 Conducting II	2
MU 303 Arranging	2
MUED 201 Introduction to Music Education	3
MUED 301 Elementary Music Methods	3
MUED 303 Choral Music Methods	3
MUED 401 School Music Administration	2
MUED 451 Student Teaching Seminar	0
MU 493 Senior Project	1
Choose one (LTD only)	2-3
CHMU 313 Christian Hymnody (2)	
CHMU 411 Christian Liturgy (3)	
Principal instrument	10
Keyboard proficiency: Pass keyboard skills test.	
Voice proficiency: Satisfy level of MUAP 151.	
Recital attendance: See Music Student Handbook.	

Concentration – Select one from the following:

Music Education – Comprehensive

Course Number/Title	***Credit Hours***
MUED 221 Woodwind Techniques	1
MUED 222 Brass Techniques	1
MUED 223 Percussion Techniques	1
MUED 224 String Techniques	1
MUED 302 Instrumental Music Methods	3
Ensembles – minimum 7 semesters (may take for zero hours)	0

Select either (a) or (b):

a. 4 semesters Choral ensembles, including at least one semester in Mixed Chorus; AND 2 semesters Wind Symphony, University Band and/or Orchestra; AND 1 semester any ensemble

b. 4 semesters Wind Symphony, University Band and/or Orchestra; AND 2 semesters Choral ensembles, including at least one semester in Mixed Chorus; AND 1 semester of any ensemble

Music Education – Vocal

Course Number/Title	***Credit Hours***
Electives in Music*	7
Choral ensembles (may take for zero hours)	0
Minimum 7 semesters, including at least one semester in Mixed Chorus	

*MU 111 may not be applied to this degree.

Total Hours: 60-63

MINORS

Church Music

Course Number/Title	Credit Hours
MU 102 Aural Skills I	1
MU 103 Music Theory I	3
MU 104 Aural Skills II	1
MU 105 Music Theory II	3
CHMU 221 Introduction to Church Music	2
CHMU 313 Christian Hymnody	2
CHMU 411 Christian Liturgy	3
Applied music (in one area)	4
Ensembles (may take for zero hours)	4
The number of hours is reduced by up to 4 if ensembles are taken for zero hours.	

Total Hours: 23

Music

Course Number/Title	Credit Hours
MU 102 Aural Skills I	1
MU 103 Music Theory I	3
MU 104 Aural Skills II	1
MU 105 Music Theory II	3
MU 251 Conducting I	2
One course from:	3
MU 211 Music History to 1750	
MU 212 Music History since 1750	
MU 213 World Music	
Music Electives	3
Applied music (in one area)	4
Ensembles (may take for zero hours)	4
The number of hours is reduced by up to 4 if ensembles are taken for zero hours.	

Total Hours: 24

DEPARTMENT OF NATURAL SCIENCES

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

DEGREES

Bachelor of Arts

Bachelor of Science

MAJORS

Agricultural Science

Biology

Biochemistry

Chemistry

Environmental Science

Environmental Studies

Physical Science

Physics

MINORS

Agricultural Science

Biology

Chemistry

Environmental Studies

Physics

Agricultural Leadership

AGRICULTURAL SCIENCE

Agricultural Science provides the knowledge, skills and experience to:

- Professionally communicate concepts and processes of production, processing and distribution of agricultural products.
- Be Christian stewards of all of agriculture and all of agricultural resources in their chosen vocation.
- Become Christian leaders in solving problems in agriculture in their local and/or global community.

Graduates can choose to go into a career directly related to their agricultural degree, such as owning or managing a farm or ranch or working as a soil scientist or plant geneticist. Some graduates may wish to work in agricultural sales selling seed, equipment, fertilizer, feed, or crop or livestock protection insurance. Others may choose careers related to feed, food, fuel and related industrial products research and development. A degree in agriculture can also prepare graduates for work in agricultural or natural resources communications as a print or broadcast journalist or in agricultural marketing. Because of the general nature of the agriculture degree, as well as the hands-on experience earned through classes and internships, graduates will be prepared for many different agricultural career opportunities.

Agricultural Science (Bachelor of Science)

Course Number/Title	Credit Hours
AGRI 100 Agriculture in the World Today	3
AGRI 101 Food Animal and Crop Prod. and Econ. Systems	4
AGRI 102 Food Animal and Crop Production Science	4
AGRI 210 Nature and Properties of Soils	4
AGRI 215 Grain, Oil seed, Horticulture and Forage Crop Prod.	3
AGRI 220 Animal Production and Management	3
AGRI 230 Fundamentals of Farm and Ranch Management	4
AGRI 235 Fundamentals of Agricultural Marketing	3
AGRI 238 Domestic and International Ag Issues	3
AGRI 301 Plant and Animal Physiology Applications	4
AGRI 303 Plant and Animal Genetic Improvement Applications	4
AGRI 305 Plant and Animal Nutrition Applications	4
AGRI 340 Food Products, Processing and Safety	3
AGRI 490 Food Animal, Crop Prod., and Econ. Internship	3
or AGRI 495 Food Animal and Crop Prod. Econ. Capstone	
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 141 Plant Biology	3
BIO 377 Conservation Biology	3
BUS 121 Financial Accounting	3
BUS 281 Business Communication	3
CHEM 109 Introductory Chemistry*	0-3
(waived if Chemistry taken in high school)	
ECON 101 Principles of Macroeconomics*	3
ECON 102 Principles of Microeconomics	3
GEOG 385 Drone Tech and the Global Position System	3
MATH 122 Introduction to Statistics*	3
PHYS 109 Introductory Physics*	0-3
(waived if Physics taken in high school)	

*Also meets a general education requirement.

Total Hours: 81-87

MINORS

Agricultural Science

Course Number/Title	Credit Hours
AGRI 100 Agriculture in the World Today	3
AGRI 101 Food Animal and Crop Prod. and Econ. Systems	4
AGRI 102 Food Animal and Crop Production Science	4
AGRI 230 Fundamentals of Farm and Ranch Management	4
Select two courses from:	6-7
AGRI 210 Nature and Properties of Soils (4)	
AGRI 215 Grain, Oil seed, Hortic./Forage Crop Prod. (3)	
AGRI 220 Animal Production and Management (3)	
AGRI 235 Fundamentals of Agricultural Marketing (3)	
AGRI 238 Domestic and International Ag Issues (3)	

Total Hours: 20-21

Agricultural Leadership *

Course Number/Title	Credit Hours
AGRI 105 Becoming an Agricultural Leadership Schola	3
BUS 195 Leadership Foundations	3
AGRI 200/201 Agri & Dec.-making for a Faith-Inspired World	3
VCLD 201 Vocational Followership 1	3
VCLD 301 Vocational Leadership 1	3
AGRI 496 Agricultural Leadership Capstone	3

Total Hours: 18

* Available only to students who are members of the Uzziah Ag Scholars program

BIOCHEMISTRY

The study of biochemistry is the study of life at its most fundamental level. Using chemical principles to solve biological problems can illuminate an incredible amount of knowledge about the world. The biochemistry program blends biology and chemistry by using molecular principles to investigate essential processes in living systems.

The biochemistry degree combines the fundamental aspects of biology, chemistry, mathematics, and physics in interdisciplinary collaboration. Upon graduation, the student with a degree in biochemistry will have a broad background in the natural sciences and prepared for a variety of post-graduation options, including research positions and graduate studies in biochemistry, professional health disciplines, and biotechnology. The program includes electivity to allow the student to tailor the program to their specific interests. Note that some elective choices have prerequisites not included in the program requirements.

Biochemistry (Bachelor of Science)

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
CHEM 347 Advanced Biochemistry	3
Math 182 Calculus with Application or MATH 184 Calculus I	3-4
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 308 Genetics	4
BIO 319 Cell & Molecular Biology	3
BIO 399 Biology Research	3
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
Electives See Below	13-16

Biology electives choose 6 – 8 credits from:

BIO 141 Plant Biology (3)
BIO 321 Pharmacology (3)
BIO 322 Developmental Biology (3)
BIO 343 Anatomy & Physiology I (4)
BIO 344 Anatomy & Physiology II (4)
BIO 351 Microbiology (4)
BIO 489* Immunology (3)

Chemistry Electives: Choose 4 credits from:

CHEM 255 Introduction to Chem. Instr. (1)
CHEM 313 Advanced Inorganic (3)
CHEM 325 Quantitative Chem. (4)
CHEM 353 Physical Chem. I (3)
CHEM 355 Physical Chem. I Lab (1)

Additional Electives: Choose 3 - 4 credits from:

Any Course Listed in the Biology or Chemistry Electives
BIO 251 Medical Terminology (2)
BIO 350 Gross Anatomy (2)
BIO 450 Adv. Human Dissection (3)
BIO 499 Biology Honors Course (1-3)
CS 131 Computer Science I (4)
MATH 122 Intro to Statistics (3)
MATH 186 Calculus II (4)
SCI 230 Forensic Science (3)
SCI 231 Forensic Science Lab (1)
SCI 490 Science Ethics (3)

Total Hours: 65 – 70

BIOLOGY

The B.A. or B.S. degree in biology is designed to enable the student to pursue an in-depth study of science in the area of biology. Upon graduation the student may pursue additional studies in biological sciences, medical professions, environmental science and other areas.

Related options within Teacher Education include the Biology Subject (Secondary). (All requirements for the Bachelor of Science in Education and teacher certification must also be completed.)

Biology (Bachelor of Arts)

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 399 Research in Biology or BIO 498 Biology Internship or SCI 490 Science Ethics	3
Biology electives	25

Biology electives must include at least nine hours of upper-level (300+) Biology courses. Biology electives may include CHEM 345 Biochemistry, CHEM 346 Biochemistry Lab, CHEM 347 Advanced Biochemistry, SCI 490 Science Ethics, and any course with a BIO prefix EXCEPT BIO 110, 207, and 371.

Total Hours: 36

For more information regarding the Creighton 3+1 Dual Program Degree see page 19 of this catalog.

Biology (Bachelor of Science)

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 308 Genetics	4
MATH 122 Introduction to Statistics	3
MATH 184 Calculus I (4) or MATH 151 Pre-Calculus (3) or MATH 182 Calculus with Applications (3)	3-4
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
CHEM 115 General Chemistry I	4
CHEM 231 Organic Chemistry I	4
Organismal course (300 level): BIO 317,325, 345, or 36x	3
Biology Capstone BIO 399 Biology Research or BIO 498 Biology Internship or SCI 490 Science Ethics	3
Biology electives*	23-24

*At least 12 hours of electives must be BIO courses or CHEM 345, 346, 347, with a minimum of 3 credits in a 300+ level BIO elective

Any of the following courses may be used in the major: CHEM 116, 255, 325, 331, 345, 346, 347; GEOG 361; HHP 395; SCI 230, 231, 330, or 490.

BIO 110, BIO 207, and BIO 371 may not be used in the major.

Total Hours: 64

Biology is a flexible major that can lead to a number of different employment opportunities depending on your area of interest. If you are interested in one of the following areas here are some courses you should consider taking (some courses may be appropriate for more than one interest area).

Conservation, Organismal & Wildlife Biology

Course Number/Title	Credit Hours
BIO 122 Zoology	3
BIO 141 Plant Biology	3
BIO 288 Animal Behavior	3
BIO 317 Ecology and Field Biology	3
BIO 325 Vertebrate Anatomy and Morphology	3
BIO 345 Midwest Floral Identification	3
BIO 377 Conservation Biology	3
Biology Study Tour (BIO 362 or 363)	3
GEOG 361 Introduction to GIS	3

Human Biology & Medicine

Course Number/Title	Credit Hours
BIO 244 Nutrition	3
BIO 251 Medical Terminology	2
BIO 321 Principles of Pharmacology	3
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO 350 Gross Anatomy	2
BIO 385 Physiology of Exercise	3
BIO 450 Advanced Human Dissection	3
BIO 465 Human Diseases	3
BIO 489 Immunology	3
HHP 395 Biomechanics	3

Molecular Biology

Course Number/Title	Credit Hours
BIO 308 Genetics	4
BIO 319 Cell and Molecular Biology	3
BIO 322 Developmental Biology	3
BIO 489 Immunology	3
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
CHEM 347 Advanced Biochemistry	3

Forensic Science

Course Number/Title	Credit Hours
SCI 230 Introduction to Forensic Science	3
SCI 231 Introduction Forensic Science Lab	1
CHEM 325 Quantitative Analytical Chemistry	4

General Science (Fits Many Areas)

Course Number/Title	Credit Hours
BIO 351 General Microbiology	4
SCI 490 Science Ethics	3
CHEM 116 General Chemistry II	4
CHEM 331 Organic Chemistry II	4

MINOR

Biology

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
11 Hours of Biology courses above 112	11

Total Hours: 19

CHEMISTRY

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

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

The curriculum leading to the Bachelor of Arts degree is designed to provide more electivity in the major and is particularly suited for individuals who wish to have a second major (such as biology)

and/or attend medical school, law school, pharmacy school or any other professional school upon completing their chemistry degree.

Related options within Teacher Education include the Chemistry Subject (Secondary). (All requirements for the Bachelor of Science in Education and teacher certification must also be completed.)

Chemistry (Bachelor of Arts)

Course Number/Title	Credit Hours
Chemistry Core (28 hours)	
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 353 Physical Chemistry	3
CHEM 355 Physical Chemistry Laboratory	1
PHYS 111 General Physics I	4
MATH 184 Calculus I	4
MATH 186 Calculus II	4
Electives	16
Any 200+ level CHEM courses	
PHYS 112 General Physics II (4)	
PHYS 211 General Physics I Calculus Topics (1)	
PHYS 212 General Physics II Calculus Topics (1)	

Total Hours: 44

*Bio 111 is required for Biochemistry courses (CHEM 345, 346, 347). Bio 111 is the recommended Life Science general education course for chemistry majors.

Chemistry (Bachelor of Science)

Course Number/Title	Credit Hours
Chemistry Core – See B.A.	28
CHEM 313 Advanced Inorganic Chemistry	3
CHEM 325 Quantitative Analytical Chemistry	4
CHEM 331 Organic Chemistry II	4
CHEM 354 Physical Chemistry II	3
CHEM 356 Physical Chemistry Laboratory II	1
PHYS 112 General Physics II	4
PHYS 211 General Physics I Calculus Topics	1
PHYS 212 General Physics II Calculus Topics	1
Electives from:	12
BIO 308 General Genetics (4)	
BIO 319 Cell and Molecular Biology (3)	
BIO 321 Principles of Pharmacology & Toxicology (3)	
BIO 489 Immunology (3)	
CS 131 Computer Science I (4)	
CHEM 255 Intro to Chem. Instrumentation (1)	
CHEM 345 Biochemistry* (3)	
CHEM 346 Biochemistry Lab* (1)	
CHEM 347 Advanced Biochemistry (3)	
CHEM 395 Advanced Topics in Chemistry Seminar (1-3)	
CHEM 399 Chemistry/Biochemistry Internship (3)	
MATH 284 Calculus III (4)	
MATH 322 Foundations of Statistics (3)	
MATH 333 Linear Algebra (3)	
MATH 384 Differential Equations (3)	
PHYS 381 Modern Physics (3)	
PHYS 383 Nuclear and Particle Physics (3)	

Total Hours 61

*Bio 111 is required for Biochemistry and upper-level Biology Courses. Bio 111 is the recommended Life Science general education course for chemistry majors.

MINOR

Chemistry

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I	4
CHEM116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
200 or 300-level Chemistry courses	6-8

Total Hours: 18-20

ENVIRONMENTAL SCIENCE / STUDIES

The environmental science program is designed to equip students with the knowledge and skills for careers or continuing education in environmental science fields. The program is intentionally diverse, providing students with an understanding of the economic, social, scientific, and political factors influencing environmental decision making. The purpose is to produce students with the breadth of knowledge and skills to pursue a variety of careers in environmental science. The curriculum leading to a Bachelor of Arts degree in Environmental Science includes a set of core courses plus one of four emphases while the Bachelor of Arts in Environmental Studies includes only the core courses.

Environmental Science (Bachelor of Arts)

Course Number/Title	Credit Hours
AGRI 100 Agriculture in the World Today	3
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 317 Ecology and Field Biology	3
CHEM 115 General Chemistry I	4
GEOG/ESCI 281 Physical Geography	4
GEOG/ESCI 315 Environmental Science	3
GEOG/ESCI 361 Intro. to Geographic Information Systems	3
GEOG/ESCI 385 Drone Tech and Global Positioning Sys	3
MATH 122 Introduction to Statistics	3
ESCI 498 Environmental Science Internship (Capstone)	3
Emphasis–Choose one	18

Agriculture Emphasis (18 hours)

Course Number/Title	Credit Hours
Select from:	
AGRI 101 Food Animal & Crop Prod. & Econ. Systems (4)	
AGRI 102 Food Animal and Crop Production Science (4)	
AGRI 210 Nature and Properties of Soils (4)	
AGRI 215 Grain, Oil seed, Hortic. & Forage Crop Prod. (3)	

AGRI 220 Animal Production and Management (3)
AGRI 230 Fundamentals of Farm and Ranch Mgmt (4)
AGRI 235 Fundamentals of Agricultural Marketing (3)
AGRI 238 Domestic and International Ag Issues (3)
AGRI 301 Plant and Animal Physiology Applications (4)
ESCI 351 Environmental Law & Policy (3)
GEOG/ESCI 461 Advanced Geographic Info Systems (3)

Biology/Natural Resources Emphasis (18 hours)

Course Number/Title	Credit Hours

Select from:

BIO 122 General Zoology (3)
BIO 141 Plant Biology (3)
BIO 325 Vertebrate Anatomy and Morphology (3)
BIO 345 Midwest Floral Identification (3)
BIO 351 General Microbiology (4)
BIO/ESCI 36X Ecology/Nat. History Study Tours (3-6)
BIO/ESCI 377 Conservation Biology (3)
BIO 399 Research in Biology (1-3)
ESCI 351 Environmental Law & Policy (3)
GEOG/ESCI 461 Adv. Geographic Information Systems (3)

Geography Emphasis (18 hours)

Course Number/Title	Credit Hours

Select from:

GEOG 101 Introduction to Geography (3)
GEOG 202 World Regional Geography (3)
GEOG/ESCI 291 Geog. Sports and Outdoor Recreation (3)
GEOG 311 Geography of North America (3)
GEOG 381 Meteorology (3)
GEOG 391 Urban Geography (3)
GEOG/ESCI 461 Adv. Geographic Info. Systems (3)
ESCI 351 Environmental Law & Policy (3)
GEOG 490 Capstone Seminar (3)

Total Hours: 55

Environmental Studies (Bachelor of Arts)

Course Number/Title	Credit Hours
AGRI 100 Agriculture in the World Today	3
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 317 Ecology and Field Biology	3
CHEM 115 General Chemistry I	4
ESCI 498 Environmental Science Internship	3
GEOG/ESCI 281 Physical Geography	4
GEOG/ESCI 315 Environmental Science	3
GEOG/ESCI 361 Intro. to Geographic Information Systems	3
GEOG/ESCI 385 Introduction to GPS and Drone Technology	3
MATH 122 Introduction to Statistics	3

Total Hours: 37

MINORS

Environmental Studies

Course Number/Title	Credit Hours
BIO 317 Ecology and Field Biology	3
GEOG/ESCI 281 Physical Geography	4
GEOG/ESCI 315 Introduction to Environmental Science	3

Three Courses from:

AGRI 100 Agriculture in the World Today (3)
BIO/ESCI 36_ Ecology and Natural History Study Tours (3)
BIO/ESCI 377 Conservation Biology (3)
ESCI 351 Environmental Law and Policy (3)
GEOG/ESCI 361 Intro.to Geographic Info Systems (3)
GEOG/ESCI 385 Drone Tech and Global Positioning Sys (3)

Total Hours: 19

PHYSICS / PHYSICAL SCIENCE

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 physical science major is designed to enable students to pursue careers or further study in areas combining physics and chemistry. This major is particularly suited for students interested in moving into interdisciplinary scientific fields, such as materials science or meteorology, or into science-related fields such as science writing or patent law. The program provides students with a strong foundation in the conceptual and technical aspects of the sciences, with an emphasis on the connections and relationships between chemistry and physics.

Related options within Teacher Education include the Physics subject (Secondary), the General Science elementary concentration, Science content teaching area (Middle Level) and the Science Field endorsement (secondary). (All requirements for the Bachelor of Science in Education and teacher certification must also be completed.)

Physical Science (Bachelor of Arts)

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 313 Advanced Inorganic Chemistry	3
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
PHYS 381 Modern Physics	3
PHYS 382 Advanced Physics Lab	1
PHYS 383 Intro to Nuclear and Particle Physics	3
MATH 184 Calculus I	4
SCI 331 Descriptive Astronomy	3
Electives	9

Electives from:
MATH 186 Calculus II (recommended) (4)
200 or 300 level CHEM or PHYS courses

Total Hours: 46

Physics (Bachelor of Science)

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CS 131 Computer Science I	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
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
PHYS 211 General Physics I Calculus Topics	1
PHYS 212 General Physics II Calculus Topics	1
PHYS 321 Introductory Mechanics	3
PHYS 353 Thermodynamics	3
PHYS 354 Quantum Mechanics	3
PHYS 371 Electronics	3
PHYS 381 Modern Physics	3
PHYS 382 Advanced Physics Lab	1
PHYS 383 Nuclear and Particle Physics	3
PHYS 390 Electricity and Magnetism	3
PHYS 399 Research in Physics	2
or PHYS 498 Physics Internship	
Electives	6-7

Electives from:

- CHEM 231 Organic Chemistry I (4)
- CHEM 255 Introduction to Chemistry Instrumentation (1)
- CS 141 Computer Science II (3)
- CS 241 Computer Organization (3
- CS 390 Seminar in Computer Science (3)
- CS 324 Computer Graphics (3)
- CS 344 Data Structures and Algorithm Analysis (3)
- CS 348 Discrete Structures (3)
- MATH 321 Numerical Analysis (3)
- MATH 333 Linear Algebra (3)
- MATH 475 Mathematical Modeling (3)

Total Hours: 70-71

MINOR

Physics

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

Total Hours: 18

DEPARTMENT OF THEOLOGY, PHILOSOPHY AND BIBLICAL LANGUAGES

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

Related options within Teacher Education include the Theology subject (Secondary). (All requirements for the Bachelor of Science in Education and teacher certification must also be completed.)

DEGREES

Bachelor of Arts

MAJORS

Classical Liberal Arts

Theology

MINORS

Biblical Languages

Classical Liberal Arts

Philosophy

Religious Education

Theology

Urban Ministry

Youth Ministry

BACHELOR OF ARTS

Classical Liberal Arts

Course Number/Title	Credit Hours
Classical Languages:	14
GRK 101 Greek I (4)	
GRK 102 Greek II (4)	
LAT 101 Latin I (3)	
LAT 102 Latin II (3)	
Classical Foundations:	12
ART 271 Art History I (3)	
ENG 381 World Literature I (3)	
HIST 338 Ancient Rome (3)	
PHIL 311 History of Philosophical Thought I (3)	
Classical Tradition:	9
History-one course:	
HIST 334 Early and Medieval Christianity (3)	
HIST 335 Renaissance and Reformation (3)	
Literature-one course:	
ENG 382 World Literature II (3)	
ENG 385 Mythmaking and the Modern Novel (3)	
Theology-one course:	
THEO 371 History of Christian Thought (3)	
THEO 418 Exile to Christ (3)	
Note: May substitute one approved Luke Scholars course as part of the major and must be in the Classical Tradition category.	
Capstone:	3
Select one Capstone course:	
ECTA 499 Special Topics (3)	
HIST 491 Senior Seminar in History (3)	
THEO 499 Independent Study (3)	

Total Hours: 38

Theology

Course Number/Title	Credit Hours
One Biblical Interpretation course from:	3
THEO 241 Selected O.T. Prophetical Books (3)	
THEO 242 Selected Psalms (3)	
THEO 251 Selected Pauline Epistles (3)	
THEO 252 Gospels (3)	
THEO 331 Studies in the Life of Christ	3
or THE 418 From Exile to Christ	
THEO 450 Understanding and Teaching the Bible	3
One course from:	3
PHIL 301 Concepts in Philosophy (3)	
PHIL 311 History of Philosophical Thought I (3)	
PHIL 312 History of Philosophical Thought II (3)	
Two courses from:	6
THEO 361 Doctrine and Confessions I (3)	
THEO 362 Doctrine and Confessions II (3)	
Two courses from:	6
HIST 313 Religion and Society in the U.S. (3)	
HIST 334 Early and Medieval Christianity (3)	

HIST 335 Renaissance and Reformation (3)
THEO 371 History of Christian Thought (3)
THEO 375 Christian Denominations and Religious Move. (3)

Two courses from: 6

THEO 382 Theology of Corporate Worship (3)
THEO 390 World Religions (3)
THEO 483 Sexuality and the Family (3)
THEO 489 Ministry in a Changing World (3)

Total Hours: 30

MINORS

Biblical Languages

Biblical Languages Minor, Hebrew Emphasis

Course Number/Title	Credit Hours
HEB 201 Hebrew II	4
HEB 301 Hebrew III	3
HEB 499 Hebrew Readings	1
Six hours from:	6

HEB 410 Latter Prophets (3)
HEB 420 Exodus and Deuteronomy (3)
HEB 430 Psalms and Wisdom Literature (3)
HEB 440 Textual Criticism (3)

Total Hours: 14

Biblical Languages Minor, Greek Emphasis

Course Number/Title	Credit Hours
GRK 201 Greek II	4
GRK 301 Greek III	3
GRK 401 Greek IV	3
GRK 499 Greek Readings	1
Three hours from:	3

GRK 410 Acts (3)
GRK 420 Pauline Epistles (3)
GRK 430 Textual Criticism (3)

Total Hours:14

Biblical Languages Minor

Course Number/Title	Credit Hours
GRK 201 Greek II	4
GRK 301 Greek III	3
GRK 401 Greek IV	3
HEB 201 Hebrew II	4
HEB 301 Hebrew III	3
Three hours from:	3

GRK 410 Acts (3)
GRK 420 Pauline Epistles (3)
GRK 430/HEB 440 Textual Criticism (3)
GRK 499 Greek Readings (1)
HEB 410 Latter Prophets (3)
HEB 420 Exodus and Deuteronomy (3)
HEB 430 Psalms and Wisdom Literature (3)
HEB 499 Hebrew Readings (1)

Total Hours: 20

Classical Liberal Arts

The interdisciplinary Classical Liberal Arts minor offers a traditional and rigorous engagement with premodern languages and cultures. At Concordia, this course of study encourages the classical pursuit of what is good, true, and beautiful, considered within the light of Christian revelation. A minor in the Classical Liberal Arts educates students in foundational sources, and it serves as a steppingstone for life-long learning.

Course Number/Title	Credit Hours
LAT 101 Latin I	3
PHIL 311 History of Philosophical Thought I	3
ENG 381 World Literature I	3
HIST 338 Ancient Rome	3
ART 271 Art History I	3
One course from:	3

CHMU 411 Christian Liturgy (3)
ENG 382 World Literature II (3)
GRK 101 Greek I (3)
HIST 334 Early & Medieval Christianity (3)
LAT 102 Latin II (3)
THEO 371 History of Christian Thought (3)
THEO 499 Independent Study* (3)

*An Independent Study on Classical Pedagogy or other areas of classical studies may be arranged.

Total Hours: 18

Philosophy

Course Number/Title	Credit Hours
PHIL 301 Concepts in Philosophy	3
PHIL 311 History of Philosophical Thought I	3
PHIL 312 History of Philosophical Thought II	3
PHIL 499 Honors Course	3
THEO 371 History of Christian Thought	3
THEO 390 World Religions	3

Total Hours: 18

Religious Education

Course Number/Title	Credit Hours
EDPS 210 Educational Psychology and Child Development	3
EDUC 201 Introduction to Education	3
EDUC 225 Diverse Classrooms and Human Relations	3
EDUC 362 Teaching the Christian Faith	2
PSY 451 Personality Theory	3
THEO 450 Understanding and Teaching the Bible	3

Total Hours: 17

Theology

Course Number/Title	Credit Hours
THEO 331 Studies in the Life of Christ (3)	3
or THEO 450 Understanding and Teaching Bible (3)	
HIST 313 Religion and Society in the U.S.	3
or THEO 375 Christian Denom. & Relig. Movements (3)	
Two courses from:	5-6

THEO 381 Christian Teacher's Ministry (2)
THEO 382 Theology of Corporate Worship (3)

THEO 390 World Religions (3)
THEO 489 Ministry in a Changing World (3)

Total Hours: 11-12

Urban Ministry

Course Number/Title	Credit Hours
CTA 203 Communication Theory (3)	3
or CTA 333 Intercultural Communication (3)	
ECON 101 Principles of Macroeconomics (3)	3
or ECON 102 Principles of Microeconomics (3)	
GEOG 391 Urban Geography	3
SOC 312 Urban Sociology (3)	3
or SOC 481 Internship in Sociology (3)	
SOC 331 The Family	3
THEO 375 Christian Denominations and Religious Move.	3
or THEO 390 World Religions (3)	
THEO 489 Ministry in a Changing World	3

Total Hours: 21

Youth Ministry

Course Number/Title	Credit Hours
CEL 388 Youth Ministry Theory and Methods	3
PSY 421 Adolescent Psychology & Development	3
Six hours from:	6
PSY 341 Group Techniques (3)	
PSY 442 Introduction to Counseling (3)	
HHP 367 Recreational Programming (3)	
THEO 382 Theology of Corporate Worship (3)	
THEO 483 Sexuality and the Family (3)	

Total Hours: 12

Classical Lutheran Educator Certification

Course Number/Title	Credit Hours
REL 121 History and Literature of the Old Testament	3
REL 131 History and Literature of the New Testament	3
One course from:	
THEO 241 Interpretation of Selected Old Testament (3)	3
THEO 242 Interpretation of Selected Psalms (3)	
THEO 251 Interpretation of Selected Pauline Epistles (3)	
THEO 252 Interpretation of the Gospels (3)	
THEO 361 Doctrine & Confessions I	3
THEO 362 Doctrine & Confessions II	3
THEO 381 Christian Teacher's Ministry	2
CLA 301 Classical Pedagogy	3
CLA 401 Classical Practicum	1.5
CLA 402 Classical Practicum	1.5

Total Hours 23

PRE-SEMINARY PROGRAM

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

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

PROGRAM ACADEMICS

Concordia's pre-seminary program offers great flexibility to students at the university to participate in a variety of programs and majors that may suit their particular interests. The program includes ten core courses (34 hours) that will prepare the student well for further seminary training and eventual pastoral service. The pre-seminary core courses are in the following areas:

Greek (14 hours)

Course Number/Title	Credit Hours
GRK 101 Greek I	4
GRK 201 Greek II	4
GRK 301 Greek III	3
GRK 401 Greek IV	3

Hebrew (11 hours)

Course Number/Title	Credit Hours
HEB 101 Biblical Hebrew I	4
HEB 201 Biblical Hebrew II	4
HEB 301 Biblical Hebrew III	3

Philosophy (6 hours)

Choose any PHIL prefixed course (PHIL 311 & 312 recommended):

Course Number/Title	Credit Hours
PHIL 311 History of Philosophical Thought I	3
PHIL 312 History of Philosophical Thought II	3

Public Speaking (3 hours)

Course Number/Title	Credit Hours
CTA 211 Public Speaking	3

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

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

Pre-seminary students at Concordia participate in a wide variety of degree programs, including elementary education, middle level education, secondary education, director of Christian education, business administration, computer science, etc. Adding the pre-seminary core of courses may increase the number of hours in a program beyond the 120 minimum hours required for graduation. Historically, the majority of pre-seminary students have graduated with a Bachelor of Arts/Liberal Arts degree; virtually every liberal arts major has been pursued and proven beneficial in some manner for the pastoral ministry.

ADMISSION INTO THE PROGRAM

There are two levels of admission: provisional and formal.

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

DISMISSAL FROM THE PROGRAM

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

1. have a cumulative GPA fall below 2.50 for two consecutive semesters
2. fail to make progress toward completing the pre-seminary core of courses

APPEAL PROCESS

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

PROCESS FOR SEMINARY RECOMMENDATION

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

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

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

PRE-DEACONESS PROGRAM

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

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

Pre-Deaconess Core

Course Number/Title	Credit Hours
CTA 211 Public Speaking	3
PSY 341 Group Techniques	3
PSY 442 Introduction to Counseling	3
SOC 331 The Family	3
THEO 251 Interpretation of Selected Pauline Epistles or THEO 252 Interpretation of the Gospels or THEO 241 Interpretation of Selected Old Testament or THEO 242 Interpretation of Selected Psalms	3
THEO 361 Doctrine and Confessions I	3
THEO 362 Doctrine and Confessions II	3
THEO 450 Understanding and Teaching the Bible	3
Select from recommended courses:	6

CEL 388 Youth Ministry Theory and Methods (3)
CEL 483 Leadership Development (3)
CEL 484 Confirmation Planning and Implementation (2)
CEL 485 Parish Education Program Admin. (3)
CEL 487 Planning Adult Education in the Parish (3)
GRK 101 Greek I (4)
GRK 201 Greek II (4)
HEB 101 Biblical Hebrew I (4)
HEB 201 Biblical Hebrew II (4)
HIST 313 Religion and Society in the U.S. (3)
HIST 335 Renaissance and Reformation (3)
PHIL 311 History of Philosophical Thought I (3)
PHIL 312 History of Philosophical Thought II (3)
PSY 205 Adult Development and Aging (3)
SOC 221 Social Problems (3)
SOC 335 Sociology of Religion (3)
THEO 381 Christian Teacher's Ministry (2)
THEO 382 Theology of Corporate Worship (3)
THEO 385 Parish Visitation & Evangelism (3)
THEO 483 Sexuality and the Family (3)

Total Hours: 30

PRE-PROFESSIONAL STUDY

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

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

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

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

Pre-Athletic Training

A bachelor's degree is required for admission to the entry level professional program in athletic training. Majors in exercise science, biology, or other related fields are desirable; however, it is not mandatory as long as prerequisites for admission are met. Students should check specific requirements for the schools in which they are interested. The following are prerequisites for the University of Nebraska-Omaha. Students are encouraged to check with the HHP Department for excellent opportunities to pursue a master's degree in athletic training. These include a Bachelor's to Master's program at Concordia University, Wisconsin and guaranteed admission (upon meeting admission criteria) at Nebraska Wesleyan University, Lincoln, NE.

Course Number/Title	Credit Hours
BIO 244 Nutrition	3
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO/HHP 385 Physiology of Exercise	3
HHP 100 Lifetime Wellness	3
HHP 270 Human Performance Lab. Techniques	2
HHP 395 Biomechanics	3
PSY 101 Introduction to Psychology	3

Total Hours: 25

Pre-Chiropractic

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

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

Strongly recommended:
BIO 308 General Genetics (4)
BIO 319 Cell and Molecular Biology (3)
BIO 343 Advanced Human Anatomy and Physiology I (4)
BIO 344 Advanced Human Anatomy and Physiology II (4)
BIO 489 Immunology (3)
BUS 261 Marketing (3)
ECON 101 Principles of Macroeconomics (3)
Small business management (available at local community colleges)

Total Hours: 74

Pre-Clinical Laboratory Science

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

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 308 General Genetics	4
BIO 351 General Microbiology	4
BIO 489 Immunology	3
CHEM 115 General Chemistry I	4
CHEM 231 Organic Chemistry I	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
ENG 102 English Composition	3
ENG 221 Intermediate Writing	3
Electives	41

(Including broad general education background)
Strongly Recommended:
BIO 343 Advanced Human Anatomy and Physiology I (4)
BIO 344 Advanced Human Anatomy and Physiology II (4)
Recommended:
Physics and additional biology & chemistry

Total Hours: 84

Pre-Clinical Perfusion Science

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

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO 351 General Microbiology	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
ENG 102 English Composition	3
ENG 221 Intermediate Writing	3
Mathematics (College Algebra or higher)	6
One Physics course:	3-4
PHYS 109 Introductory Physics (3)	
PHYS 110 Principles of Physics (4)	
PHYS 111 General Physics I (4)	
Social Sciences	6

Total Hours: 61-67

Pre-Cytotechnology

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

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
At least four hours from:	4
BIO 308 General Genetics (4)	
BIO 319 Cell and Molecular Biology (3)	
BIO 322 Developmental Biology (3)	
BIO 351 General Microbiology (4)	
BIO 489 Immunology (3)	
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
Mathematics	3

Total Hours: 31

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:

Course Number/Title	*Credit Hours*
BIO 111 General Biology I	4
BIO 112 General Biology II	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
ENG 102 English Composition	3
ENG 221 Intermediate Writing	3
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4

Total Hours: 38

Pre-Dental Hygiene

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

Course Number/Title	Credit Hours
BIO 110 Principles of Biology	3
or BIO 111 General Biology I	
or BIO 112 General Biology II	
BIO 244 Nutrition	3
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO 351 General Microbiology	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
ENG 102 Experiences in Writing	3
ENG 221 Intermediate Writing	3
Humanities/Arts	6
PSY 101 Introduction to Psychology	3
Social/Behavioral Sciences	3
SOC 101 Introduction to Sociology	3
12-hour series with same course prefix	12

Total Hours: 59

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 for at least two years before continuing their program at a professional college. Typical programs would be as follows:

Two-Year Program (Chemical

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
CS 131 Computer Science I	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
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
PHYS 211 General Physics I Calculus Topics	1
PHYS 212 General Physics II Calculus Topics	1
Other General Education	

Total Hours: 48

Two-Year Program (Non-Chemical)

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CS 131 Computer Science I	4
CS 141 Computer Science II	3
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
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
PHYS 211 General Physics I Calculus Topics	1
PHYS 212 General Physics II Calculus Topics	1
PHYS 321 Introductory Mechanics	3
PHYS 381 Modern Physics	3
Other General Education	

Total Hours: 49

Three-Year Program (Non-Chemical)

Course Number/Title	Credit Hours
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CS 131 Computer Science I	4
CS 141 Computer Science II	3
MATH 184 Calculus I	4
MATH 186 Calculus II	4
MATH 284 Calculus III	4
MATH 321 Numerical Analysis	3
MATH 322 Foundations of Statistics	3
MATH 333 Linear Algebra	3
MATH 384 Differential Equations	3
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
PHYS 211 General Physics I Calculus Topics	1
PHYS 212 General Physics II Calculus Topics	1
PHYS 321 Introductory Mechanics	3
PHYS 381 Modern Physics	3
PHYS 382 Advanced Physics Lab	1
PHYS 383 Introduction to Nuclear and Particle Physics	3
or PHYS 390 Electricity and Magnetism	
CS 324 Computer Graphics	3
Other General Education	

Total Hours: 62

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:

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 308 General Genetics	4
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
English (at least three hours composition)	6
Humanities/Social Sciences	12-16
MATH 122 Introduction to Statistics	3
MATH 184 Calculus I (4)	3-4
or MATH 182 Calculus with Applications (3)	
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4

Total Hours: 72-77

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:

Course Number/Title	Credit Hours
BIO 110 Principles of Biology	3
or BIO 111 General Biology I	
or BIO 112 General Biology II	
BIO 244 Nutrition	3
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO 351 General Microbiology	4
CHEM 115 General Chemistry I	4
ENG 102 English Composition	3
ENG 221 Intermediate Writing	3
MATH 122 Introduction to Statistics	3
PSY 101 Introduction to Psychology	3
SOC 101 Introduction to Sociology	3
SOC 331 The Family	3
Free Electives	7-9
Human Growth and Development	3
(available at most community colleges)	
Ethics (available at most community colleges)	3

Total Hours: 53-55

Pre-Occupational Therapy

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

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

Total Hours: 60

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.

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO 351 General Microbiology	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
English/Speech	6-9
Humanities	9
MATH 122 Introduction to Statistics	3
MATH 184 Calculus I	4
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
PSY 101 Introduction to Psychology	3
Social Sciences	9
Electives	6

Total Hours: 88-91

Pre-Osteopathic Medicine

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

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
or CHEM 345 Biochemistry/CHEM 346 Biochem Lab	
English/Speech	6
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4

Total Hours: 38

Pre-Pharmacy

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

Course Number/Title	Credit Hours
Accounting	3
BIO 111 General Biology I	4
BIO 112 General Biology II	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
ECON 102 Principles of Microeconomics	3
English (Including Composition)	6
MATH 122 Introduction to Statistics	3
MATH 184 Calculus I	4
PHYS 110 Principles of Physics	4
or PHYS 111 General Physics I	
or CHEM 325 Quantitative Analytical Chemistry	
PSY 101 Introduction to Psychology	3
Psychology/Social Sciences – additional hours	3
Electives	7-10
Electives to complete 60 to 63 hours, depending on program. For Creighton, include 6 hours theology.	

Total Hours: 60-63

Pre-Physical Therapy

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

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
English (Including Composition)	6
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4
Three additional upper-level courses in a major area of study	9-12
Electives	13
Electives to complete 60 to 63 hours, depending on program. For Creighton, include 6 hours theology.	

Total Hours: 60-63

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:

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO 351 General Microbiology	4
BIO 489 Immunology	3
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1

ENG 102 English Composition	3
ENG 221 Intermediate Writing	3
MATH 122 Introduction to Statistics	3
MATH 184 Calculus I	4
PSY 101 Introduction to Psychology	3
PSY 445 Abnormal Psychology	3
Additional Psychology elective	3

Total Hours: 61

Pre-Radiation Science Technology

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

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

Total Hours: 46

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 experience in social service agencies.

Course Number/Title	Credit Hours
Behavioral Science Major	42
SW 201 Introduction to Social Work	3
SW 311 Social Work Internship I	3
SW 312 Social Work Internship II	3
Supporting courses	9

A minimum of nine hours selected from:
BIO 244 Nutrition (3)
BUS 121 Financial Accounting (3)
BUS 351 Human Resources Management (3)
BUS 300 Business Law (3)
BUS 443 Organizational Behavior (3)
GEOG 391 Urban Geography (3)
HIST 417 African American History (3)
SPAN 101 Beginning Spanish I (3)
SPAN 102 Beginning Spanish II (3)
SPAN 201 Intermediate Spanish I (3)
SPAN 202 Intermediate Spanish II (3)

Sociology and psychology courses not used in the Behavioral Science major may fulfill the supporting courses requirement.

Total Hours: 60

Pre-Veterinary

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

Course Number/Title	Credit Hours
BIO 111 General Biology I	4
BIO 112 General Biology II	4
BIO 308 General Genetics	4
BIO 325 Vertebrate Anatomy & Morphology	3
BIO 343 Advanced Human Anatomy and Physiology I	4
BIO 344 Advanced Human Anatomy and Physiology II	4
BIO 351 General Microbiology	4
CHEM 115 General Chemistry I	4
CHEM 116 General Chemistry II	4
CHEM 231 Organic Chemistry I	4
CHEM 331 Organic Chemistry II	4
CHEM 345 Biochemistry	3
CHEM 346 Biochemistry Lab	1
CTA 211 Public Speaking	3
ENG 102 English Composition	3
ENG 221 Intermediate Writing	3
Humanities/Arts/Social Sciences	12
PHYS 111 General Physics I	4
PHYS 112 General Physics II	4

Total Hours: 76

RESERVE OFFICERS TRAINING CORPS (ROTC)

Military Science and Aerospace Studies courses are available through a cooperative program with 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 allowance when contracting with a ROTC program.

Courses are primarily offered on the UNL campus. 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 is granted as Concordia credit and will apply toward the Concordia Bachelor's degree programs.

Cadets contracting with one of the ROTC programs will be obliged 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 from the respective programs:

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

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

COURSE DESCRIPTIONS

Not all courses will be offered in any given term, semester or year. Refer to the long-term schedule of course offerings. Course fees are listed on the online course schedule and the Student Financial Services webpage. Courses are measured in semester credit hours.

AGRICULTURAL SCIENCE

AGRI 100 Agriculture in the World Today

3 credit hours

A Christian understanding of the role of agriculture in God's creation. Factors that influence production and utilization of agricultural products and related opportunities in agriculture throughout the world.

AGRI 101 Food Animal and Crop Production Economics Systems

4 credit hours

Introduces the basic principles of the major crop and animal production systems. For major field and forage crops, this includes crop yield potential, growth and development, tillage, soil fertility, and pest management. For major food producing livestock animals, this includes reproduction, genetics, nutrition, and health.

AGRI 102 Food Animal and Crop Production Science

4 credit hours

Introduces fundamental of science literacy related to soil, plant and animal genetics, physiology and nutrition with applications to feed, food, fuel and industrial products production, food safety and environmental impacts. Includes a lab. Prerequisites: grade of C- or higher in AGRI 101.

AGRI 105 Becoming an Agricultural Leader

3 credit hours

This course introduces students to Concordia's mission and helps equip students to succeed academically and what it means to be an Agricultural Leader. Students will explore God's stewardship and His works as an Agricultural Leader while developing personal goals of service, leadership, and community engagement under the guidance of mentorship.

Pre-requisite: Admission into the Uzziah Scholars Program

AGRI 200 Agriculture and Decision-making for a Faith-Inspired World I

2 credit hours

Students are introduced to the scientific, social, economic, political, and cultural dimensions of current issues related to food, water, energy, health, and landscape systems. Students will assess and evaluate popular and scientific media and engage in science-informed decision-making of farms and ranches. This hands-on, experiential learning academy works directly with farmers and ranchers to make management and financial decisions for their operations while applying strategy to analyze complex issues.

AGRI 201 Agriculture and Decision-making for a Faith-Inspired World II1

1 credit hours

This course is a continuation of AGRI 200. Students continue to make management and financial decisions for the farm or ranch operation alongside the operation owner. Prerequisite: AGRI 200.

AGRI 210 Nature and Properties of Soils

4 credit hours

The study and understanding of soils and their characteristics. An emphasis on using scientific principles and their application in solutions to practical soil management problems. Includes a lab. Prerequisites: AGRI 101 and AGRI 102 with a minimum C-grade; chemistry in high school or college.

AGRI 215 Grain, Oil seed, Horticulture, and Forage Crop Production

3 credit hours

The practices and principles of grain, horticultural and forage crop production. Topics include crop distribution, growth processes, response to environment, their distribution, use, improvement, tillage, planting, fertilization, irrigation, weed and pest control, growth, harvesting, and marketing. Prerequisites: chemistry in high school or college; grade of C- or higher in AGRI 101, AGRI 102, and BIO 141.

AGRI 220 Animal Production and Management

3 credit hours

Management of the beef, dairy, pork and poultry, sheep and goat production systems combined including breeding and genetics, meat science, nutrition, and reproductive physiology, and animal well-being. Prerequisites: AGRI 101 and AGRI 102 with a minimum C-grade; chemistry in high school or college.

AGRI 230 Fundamentals of Farm and Ranch Management

4 credit hours

The study of decision-making tools and practices in the operation of agricultural businesses using financial and other information. Topics include goal setting, planning, business organization, systems management, record keeping, budgeting, balance sheets, income statements, cash flow statements, investment analysis, tax planning, and marketing tools for risk management. Prerequisites: ECON 102 and BUS 121.

AGRI 235 Fundamentals of Agricultural Marketing

3 credit hours

The study of the creation, organization, economics and factors that influence agricultural commodity markets. The course will include how markets affect agricultural commodity production and the current status and issues related to domestic and international agricultural commodity markets. Prerequisites: ECON 101 and ECON 102.

AGRI 238 Domestic and International Ag Issues

3 credit hours

Study of the policy, trade, markets, and opposition issues of agriculture. Includes a survey of current topics and controversies in agriculture, local, domestic, and international. Exposure to, evaluation, and use of sources of information in agriculture. Students may take AGRI 270, with permission from the instructor, for course credit for this course.

AGRI 270 Agricultural Study Tour

3 credit hours

A study tour focusing on agricultural issues, productions, systems, and policies for the specific geographical area. Study tours will be 1-2 weeks and may include domestic areas in the United States or internationally such as New Zealand, Australia, Vietnam, or other countries. This study tour may be substituted for AGRI 238 or other agricultural science course(s) as approved by agriculture faculty.

AGRI 300 Agricultural Law

3 credit hours

This course provides students a practical introduction to the legal and policy issues Nebraska farmers, ranchers and agribusiness persons are likely to encounter in their careers. Topics include contracts, property rights and laws, commercial law, water rights, environmental regulations, and estate planning. While the class focuses on Nebraska agricultural law, the issues raised in the class are common to farmers, ranchers and their agribusiness partners in at least the continental United States.

AGRI 301 Plant and Animal Physiology Applications

4 credit hours

Plant and animal physiology and related technology applied to the management of plants and animals in agriculture. Plant applications include water relations, photosynthesis, metabolism of organic materials, and plant growth regulation. Animal applications include: the basic physical and chemical principles of physiological processes of sense, circulation, respiration, thermal regulation, hormones and reproduction. Includes lab. Prerequisites: Grade of C- or higher in BIO 111 and BIO 112, AGRI 215 and AGRI 220.

AGRI 303 Plant and Animal Genetic Improvement Applications

4 credit hours

Principles of genetics applied to plants and animals, including transmission genetics, cytogenetics, cytoplasmic inheritance, quantitative inheritance, population genetics and molecular genetics. Includes lab. Prerequisites: MATH 122, grade of C- or higher in BIO 111 and BIO 112, AGRI 215 and AGRI 220.

AGRI 305 Plant and Animal Nutrition Applications

4 credit hours

Plant and animal nutrition and related technology applied to the management of plants and animals in agriculture. Plant applications include: water relations, photosynthesis, metabolism of organic materials, and plant growth regulation. Animal applications include respiration, enzymatic digestion, anaerobic fermentation, absorption, nutrient assimilation and digestive hormones. Includes lab. Prerequisites: Grade of C- or higher in BIO 111 and BIO 112, AGRI 215 and AGRI 220.

AGRI 315 Farm Accounting, Analysis, and Tax Management

3 credit hours

This course provides students with an analysis approach to business record systems for farming and ranching. Students will analyze financial statements and make business and purchasing decisions based on the financial position of a farm and ranch and for tax management purposes. Prerequisite: BUS 121

AGRI 316 Agribusiness Management

3 credit hours

This course is an agribusiness management class designed for students who are interested in careers eventually leading to managerial positions in the agricultural and food industries. The goal of this course is to provide students with an introductory knowledge and a basic set of managerial skills that prepare them for advanced course work in agribusiness management and/or rudimentary competency in managing an agribusiness firm, farm or ranch. Presentation is by lecture integrated with experiential learning. Students will be involved in actual business problem-solving and decision-making through agribusiness management simulation and case studies.

AGRI 335: Advanced Commodity Marketing

3 credit hours

This course is an advanced study of commodity marketing for agricultural producers, merchandisers, brokers, and other traders. Students will take a deeper dive into agriculture commodity marketing applying concepts and strategies to develop a marketing plan to reduce risk and meet marketing goals including contracts and insurance products. Prerequisite: AGRI 235

AGRI 340 Food Products, Processing and Safety

3 credit hours

Introduction of chemical and physical properties of food; major processing and preservation principles and methods; application of science and technology to various food products; and discussion of current issues related to food, food safety and human health. Prerequisites: Sophomore standing or higher.

AGRI 390 Agricultural Field Experiences

1-3 credit hours

Students will participate in a planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Students will work with the instructor to develop a learning contract. A written report is required.

AGRI 490 Food Animal, Crop Production and Economics Internship

3 credit hours

Interning with a company, non-governmental organization, farm, governmental agency or agriculture mission. Students will work with the instructor to develop a learning contract. The end of the description should read: A written report is required. Prerequisite: Junior status or higher.

AGRI 495 Food Animal, Crop Production and Economics Capstone

3 credit hours

Projects and presentations which allow the upper-level agriculture student to integrate the theory of agriculture and skills acquired in their college experience into a coherent concept of how they will serve the church and world through agriculture. Students will work with the instructor to develop an approved research project proposal. Prerequisites: Junior status or higher.

AGRI 496 Agricultural Leadership Capstone

3 credit hours

Projects and presentations allow the upper-level Agricultural Leadership students to integrate the theory of agriculture and service, leadership, and vocational skills acquired in their college experience into a coherent concept of how they will serve the church and world through agriculture Students will work with the instructor to develop an approved project proposal. Prerequisites: Junior status or higher.

AMERICAN SIGN LANGUAGE

ASL 101 Beginning American Sign Language I

3 credit hours

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

ASL 102 Beginning American Sign Language II

3 credit hours

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

ASL 150 Special Topics in American Sign Language

3 credit hours

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

ASL 201 Intermediate American Sign Language I

3 credit hours

This intermediate course builds on ASL 102 by review, building vocabulary and grammar knowledge in ASL, and continuing development of receptive and expressive skills in ASL. The main focus of the course is the development of active communication and interpretive skills and the use of ASL within a social context. Prerequisite: ASL 102 or program director consent.

ASL 202 Intermediate American Sign Language II

3 credit hours

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

ASL 250 Special Topics in American Sign Language

3 credit hours

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

ASL 350 Special Topics in American Sign Language

3 credit hours

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

ASL 450 Special Topics in American Sign Language

3 credit hours

This course offers students an opportunity to take classes in special topics areas related to American Sign Language with direct guidance from a qualified instructor. It provides intermediate and advanced students with a context in which to expand their expressive, receptive, and interpretive skills, and/or the opportunity to study American Sign Language structure, storytelling, and culture. Topic chosen and coursework decided upon in discussion with the instructor. Prerequisites: ASL 102, 350.

ASL 490 Practicum in American Sign Language

3 credit hours

This practicum in ASL integrates knowledge of ASL and elements of what was learned through coursework into a supervised field experience which gives the student the opportunity both to observe ASL professionals and to communicate and perform duties within an ASL context. Duration and structure of the field

experience will be jointly determined by the program director, the ASL context supervisor, and the student. Prerequisite: ASL 201.

ART

ART 101 Fundamentals of Art

3 credit hours

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

ART 103 Studio I – Observational Drawing

3 credit hours

An exploration of the foundational aspects of mark-making, this course is a study in drawing what you see. Emphasis will be placed on observational, expressive and compositional aspects inherent to drawing through the use of various black and white and color media. Course fee.

ART 145 Digital Imaging

3 credit hours

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

ART 161 Visual Studies

3 credit hours

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 Graphic Design

3 credit hours

This course combines creative development of ideas, effective communication, and correct technical reproduction of the graphic design process with the study of historic and contemporary movements, designers, and innovations in the graphic design/illustration experience. From the invention of writing to the printing press to the digital age, this course allows for an in-depth survey of the graphic design arena. Course fee. Prerequisites: ART 103, 145, 203.

ART 200 Art Therapy

3 credit hours

Provides students with an overview of the history of art therapy and the profession of art therapy including theories and various populations. Includes a hands-on art workshop.

ART 203 Two-Dimensional Design

3 credit hours

Explores the elements and principles of composition, systems of organization, and the exploration of two–dimensional media. This course provides an analysis of the interaction between visual subject matter, form and content. Emphasis on perceiving formal relationships in natural and artistic contexts. Initial study in color theory and color relationships. Course fee.

ART 205 Three-Dimensional Design

3 credit hours

An essential foundation in the process of making dimensional objects. Projects explore different techniques in the production of form through additive and subtractive means. There will be an emphasis on formal production by strongly considering the elements and principles of design in the making of objects in space. Course fee. Prerequisite: ART 203.

ART 213 Studio II – Integrated Materials

3 credit hours

An exploration of the intuitive process of drawing and the spatial language of sculpture, challenging the boundaries between the two, this course will focus on creating a unique dialog based on symbolism and metaphorical content. Course fee.

ART 214 Studio III – Figure and Time

3 credit hours

An exploration of the dynamic human response to time and space, this course is a study of the human figure through an assortment of drawing approaches, time-based exercises, and performative strategies. An exploration of identity, embodiment, and representation as practiced through collaborative drawing reconnects eye to hand, mind to body, and individual to community. Course fee.

ART 215 Studio IV – Studies in Monochrome Surface

3 credit hours

Intuitively exploring formal languages and physicality of materials within the drawing discipline, this course will focus on the interconnectedness of abstract and tactile generative processes. Course fee.

ART 216 Advanced Drawing

3 credit hours

Concentration on personal goals and directions developed in consultation with the instructor will be emphasized. May be repeated.

ART 223 Water Based Media

3 credit hours

Exploration of the unique characteristics and potential of water-based media; various techniques and styles for personal

expression. Prerequisites: ART 103 and ART 203 (or permission of the instructor). Course fee.

ART 224 Advanced Water Based Media

3 credit hours

Students work on a self-directed sequence of water-based media projects under the supervision of an instructor. Must be taken during a regularly scheduled water-based media class. Prerequisite: ART 223. Course fee.

ART 235 Digital Photography

3 credit hours

Explores photography as an art form. Development of a critical eye for photography through historical and cultural context, as well as in-class group critiques. An introduction to technical and creative strategies such as exposure, lighting, color, perspective, and editing. A focus on thematic and conceptual projects that require students to challenge how they see and understand the world through a lens. Course fee.

ART 240 Video Production

3 credit hours

A focused opportunity to comprehend and expand the practical and artistic processes of manipulating video imagery through all phases of production. Exposure to broad range of video projects and production methodologies that are seen in professional industries. Collaboration and teamwork are emphasized. Course fee.

ART 241 Advanced Video Production

3 credit hours

Students pursue complex video projects that require advanced technical skill. Strong focus on storytelling and craft. When applicable, students can concentrate on specific disciplines within the art of filmmaking. Course fee.

ART 242 Ceramics – Hand Building and Slip Casting

3 credit hours

Introduction to making objects by hand using clay. The focus will be on design and process with different joining techniques. Molding making and slip casting to produce multiples will also be covered. Projects will be finished in a range of glazes and firing temperatures. Conceptual concerns and ideas related to the field of crafts and design are addressed. Course fee.

ART 243 Ceramics – Wheel Throwing

3 credit hours

Introduction to making ceramic objects using the potter's wheel. Projects will address basic technique and processes to using the potter's wheel using high temperature glaze firings. This course will also feature overview of the history, aesthetics, and criticism of the ceramic vessel as well as concerns related to making craft art. Course fee.

ART 244 Advanced Ceramics

3 *credit hours*

Advanced credit in Advanced Ceramics, continues ceramic study over a customized map of the techniques, processes, material exploration and problem solving in design and function over a specific semester's body of work. An opportunity for an individualized, in-depth exploration of selected working process and concept. Course fee. Prerequisite: ART 242 and 243. May be taken repeatedly for advanced credit.

ART 260 The Christian Faith in Art & Architecture

3 credit hours

An exploration of ecclesiastical monuments in architecture with special concerns for contemporary worship environments and the intersection between theology, aesthetics, and functionality. Development of appreciation for modern, contemporary art and its presence within the life of the Christian. Additional ideas covered include Reformation art, icons, and symbolism.

ART 271 Art History I

3 credit hours

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

ART 272 Art History II

3 credit hours

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

ART 273 Art History III

3 credit hours

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

ART 280 Typography

3 credit hours

Exploration of the design and use of basic letter forms, typographic contrast, hierarchy of information, major type families and characteristics, and typographic grids. Students build skills for the art of typesetting and typographic layout, and for expressive typography and conceptual thinking. Course fee. Prerequisite: ART 190.

ART 301 Methods of Art Education

2 credit hours

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

ART 303 Layout and Design

3 credit hours

Concentrated study in the aesthetic and functional organization of information and visual elements within two-dimensional composition. With an emphasis on preparing text and images for

electronic pre-press and for selecting printing options. Course fee. Prerequisites: ART 103, 190, 203.

ART 315 Printmaking

3 credit hours

Students learn various printmaking techniques such as monotypes, relief prints, drypoints, collagraphs and screen printing. Emphasis on personal expression, safe printmaking practices, and the contemporary cultural context of prints. Course fee. Prerequisites: ART 103, 203.

ART 316 Advanced Printmaking

3 credit hours

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

ART 325 Painting

3 credit hours

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

ART 326 Advanced Painting

3 credit hours

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

ART 335 Advanced Digital Photography

3 credit hours

ART 335 builds on the skills learned in ART 235 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. Course fee. Prerequisite: ART 235. May be taken repeatedly for advanced credit.

ART 345 Sculpture

3 credit hours

This course will be structured around an intensive investigation of several diverse ideas, medias and processes that make sculpture. Conceptual concerns and ideas related to the field of sculpture are addressed. Course fee. Prerequisites: ART 103, 205.

ART 346 Advanced Sculpture

3 credit hours

Continues Sculpture over a customized map of the idea, space, context and material of sculpture, in a specific semester's body of work. An opportunity for an individualized, in-depth exploration of selected media, concept and working process. Course fee. Prerequisite: ART 345. May be taken repeatedly for advanced credit.

ART 351 Illustration

3 credit hours

Exploration in traditional illustration techniques and media to communicate a variety of topics, subject matter, and concepts. Course fee. Prerequisite: ART 190.

ART 352 Advanced Illustration

3 credit hours

Contemporary approach to illustration with emphasis placed on the cultivation of both technical and expressive practices within the studio and digital environments. The student with an interest in animation can focus on honing and expanding those skills within this course. Course fee. Prerequisite: ART 351.

ART 365 Interactive Design

3 credit hours

This course explores communication through interactive media with an emphasis on basic web design and motion graphics. Design projects include explorations of web-based interface design, navigation principles, interactive and time-based media for designers. Course fee. Prerequisites: ART 190, 145 or permission from the instructor.

ART 366 Advanced Interactive Design

3 credit hours

Advanced Interactive Design provides students an opportunity to focus on a singular self-directed aspect of the software and principles of User Interface (UI) design, User Experience (UX) design, interactivity, motion graphics, and dynamic web content design. Prerequisite: ART 365. Course fee.

ART 370 Studies in Art

3 credit hours

A sequence of different topics offered in the disciplines of art criticisms, analysis, and aesthetics. Course fee.

ART 390 Graphic Design Internship

3 credit hours

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

ART 399 Independent Study

2-6 credit hours

Hours and projects by arrangement.

ART 403 Brand Development

3 credit hours

Students will work to develop marketing and brand strategies to be utilized in a variety of related projects, processes and

platforms through a sequence of advanced layout and design problems. Course fee. Prerequisite: ART 303.

ART 407 Design Systems

3 credit hours

Concentrated study in conceptual and practical problem solving as related to visual communication. Laboratory fee. Course fee.

ART 425 Inter-Media

3 credit hours

A study of the history and theory of collage. Exploration of the unique characteristics and potential of two-dimensional collage, assemblage relief, and installation. Conceptual development through the presentation of various techniques, theories, and approaches. Prerequisites: ART 103, 203, 205. Course fee.

ART 426 Advanced Inter-Media

3 credit hours

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

ART 450 Advanced Studio

3 credit hours

Students will balance time management, strategies of exploration and experimentation, as well as modes of resolution in order to define their personal working process and self-directed studio practice. During the course, the students will regularly present both completed works and works in progress for individual and group critique. In addition, this course helps students to develop their skills of interpretation and analysis, to become more articulate in their discussions of their own work and the work of others, and to learn to apply critical language effectively. May be taken repeatedly for advanced credit. Prerequisites: Instructor permission

ART 489 Portfolio and the Art Vocation

3 credit hours

A guided plan of study resulting in a professional print and digital portfolio, resume', job search process, business interview etiquette and attire, and planning for post-graduate career opportunities. Prerequisite: senior standing. Course fee.

ART 490 Cross Platform Narrative Design

3 credit hours

An intensive, cross-disciplinary project-based study of mediums within narrative formats. Long term/large-scale projects developed by students with peer and faculty review. Prerequisites: ART 403. Course fee.

ART 499 BFA Honors Thesis Capstone

3 credit hours

This course is required for all the Bachelor of Fine Arts candidates seeking to exhibit their artwork in the BFA Thesis Exhibition. To accomplish this, the student prepares and displays a solo or group show of their artwork and presents their study in the Research Symposium. Prerequisites: BFA candidate and permission of the art faculty through the Senior Exit Portfolio Review.

BIOLOGY

BIO 110 Principles of Biology

3 credit hours

Lecture 2, Lab. 2. A survey of general biology for nonmajors: 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, natural selection, and ecology.

BIO 111 General Biology I

4 credit hours

Lecture 3, Lab. 2. The first course of a two-semester study of general biology for science majors and pre-health professional students. This course introduces students to the nature of science, cell and molecular biology, and genetics. Topics covered include cell structure and function, energy metabolism, cell division, classical genetics, DNA structure and function, gene expression, and gene regulation. Prerequisites: A grade of 'C' or better in either college biology or a year of high school biology and a grade of 'C' or better in either college chemistry or a year of high school chemistry.

BIO 112 General Biology II

4 credit hours

Lecture 3, Lab. 2. The second course of a two-semester study of general biology for science majors and pre-health professional students. Complements General Biology I. Topics covered include organismal biology, systematics and phylogeny, structure and function of major phyla, reproduction, growth and development, population biology, changes in gene frequency, and ecology. Prerequisites: A grade of 'C' or better in either college biology or a year of high school biology and a grade of 'C' or better in either college chemistry or a year of high school chemistry.

BIO 122 General Zoology

3 credit hours

Lecture 2, Lab 2. An introductory course in animal biology. This course includes an overview of zoological concepts including major animal phyla and their anatomy, physiology, behavior, genetics, and ecology.

BIO 141 Plant Biology

3 credit hours

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

BIO 207 Human Genetics: Applications and Issues

3 credit hours [By arrangement]

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

BIO 222 Entomology

3 credit hours

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

BIO 243 Elements of Human Anatomy and Physiology

3 credit hours

Lecture 3, Lab. 2. A study of the human body's structure and function for non-science majors. 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. Bio 243 can only count toward the biology major if a student does not have credit for Bio 253 or Bio 343. Prerequisite: Biology and chemistry in high school or college.

BIO 244 Nutrition

3 credit hours

A study of nutrients, their chemical structures, digestion, absorption and utilization in the body. The roles of nutrients, recommended allowances, their interactions and the results of deficiencies.

BIO 251 Medical Terminology

2 credit hours

Lecture 2. This course offers a systematic approach to understanding the language of medicine utilized by healthcare professionals. Medical terms will be introduced and defined through the context of anatomy, physiology, pathology, and clinical and diagnostic procedures/tests. The course will focus on accurate spelling and pronunciation of terms; building knowledge of basic medical vocabulary with an emphasis on prefixes, suffixes, roots, and combining vowels; and practically applying these terms in various healthcare settings. Prerequisite: minimum C grade in BIO 243, 253, 254, 343, or 344; or instructor's permission.

BIO 253 Human Anatomy & Physiology I

4 credit hours

Lecture 3, Lab. 2. This course is a study of the normal structure and function of the human body. Topics covered include basic cellular biology and chemistry, tissue organization, the integumentary system, skeletal system, joints, muscular system and nervous system. Lab required. Course Fee. Prerequisites: A grade of C- or higher in BIO 111 or BIO 112. Declared major in the Biology Dual-Degree program or Exercise Science, or declared Pre-Occupational Therapy, Pre-Dental Hygiene, Pre-Nursing study, or instructor permission.

BIO 254 Human Anatomy & Physiology II

4 credit hours

Lecture 3, Lab. 2. This course provides information about the normal structure and function of the human body. Major topics covered include the endocrine system, cardiovascular system, lymphatic and immune system, respiratory system, digestive system and metabolism, urinary system, fluid, electrolyte, and acid/base balance, reproductive system, and human development and inheritance. Writing Intensive. Lab required. Course Fee. Prerequisite: BIO 253 or instructor permission

BIO 288 Animal Behavior

3 credit hours

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

BIO 299 Introduction to Research in Biology

1-3 credit hours

This course gives students an opportunity to be involved in research early in their programs. Under supervision of biology faculty, students will learn and perform biological research with students registered for BIO 399. BIO 299 and BIO 399 students will meet as one class but will have different course requirements. Prerequisite: BIO 110, 111, or 112, and instructor permission

BIO 308 General Genetics

4 credit hours

Lecture 3, Lab. 3. An overview of genetic principles and their applications to inheritance including supportive studies of representative plants and animals. The lab will include both traditional and modern techniques in genetic analysis. Lab required. Course fee. Prerequisite: Grade of C- or higher in BIO 111 or instructor's permission.

BIO 317 Ecology and Field Biology

3 credit hours

Lecture 2, Lab. 3. A field ecology course. Emphasis placed on fundamental ecological concepts with supportive material coming from the literature and field investigations. Lab required. Course fee. Prerequisite: grade of C- or higher in BIO 112 or permission.

BIO 319 Cell and Molecular Biology

3 credit hours

An introduction to the structure and functions of cells, organelles, and cellular energetics. The study of cytogenetics and the control mechanisms of cellular function. The application of current research to biomedical practice as well as industrial processes. Prerequisites: Eight hours biology on the college level, including a grade of C- or higher in BIO 111 or 112.

BIO 320 Histology

3 credit hours

A systematic study of tissues of vertebrates with primary emphasis on humans. An introduction to the technology used to prepare specimens for study. Introduction of histology to medical

applications. Prerequisites: College chemistry (Organic Chemistry I recommended), eight hours of biology on the college level, including a grade of C- or higher in BIO 111 or 112.

BIO 321 Principles of Pharmacology & Toxicology

3 credit hours

A study of basic principles of pharmacology and toxicology, including drug-receptor interactions, pharmacodynamics, pharmacokinetics, toxicity, addiction, withdrawal, experimental approaches to drug action, and the process of drug discovery. Prerequisites: grade of C- or higher in BIO 111 and CHEM 115.

BIO 322 Developmental Biology

3 credit hours

Lecture 3. A study of normal and abnormal development in animals. Comparative studies of representative animals and man. Prerequisite: a grade of C- or higher in BIO 111 and BIO 112.

BIO 325 Vertebrate Anatomy and Morphology

3 credit hours

Lecture 2, Lab. 2. This course provides a background in comparative and functional vertebrate anatomy morphology. Lab required. Course fee. Prerequisite: a grade of C- or higher in BIO 112 or permission.

BIO 343 Advanced Human Anatomy and Physiology I

4 credit hours

Lecture 3, Lab. 2. 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. Lab required. Course fee. Prerequisite: grade of C- or higher in BIO 111 or 112, or approval of instructor.

BIO 344 Advanced Human Anatomy and Physiology II

4 credit hours

Lecture 3, Lab. 2. A survey of the circulatory, respiratory, digestion, excretion, endocrine and reproductive systems. Lab required. Course fee. Prerequisites: a grade of C- or higher in Bio 343 or instructor's permission.

BIO 345 Midwest Floral Identification

3 credit hours

Lecture 2, Lab. 2. The principles of flowering plant classification are studied. Plant family relationships and distributions are emphasized by collection and identification in field and laboratory. Prerequisite: a grade of C- or higher in Bio 112.

BIO 350 Gross Anatomy

2 credit hours

Lecture 2. A study of the anatomy of the human being with emphasis on regional study of the body using prosected human cadavers. Prerequisites: B or higher in BIO 343 or 253. Course fee.

BIO 351 General Microbiology

4 credit hours

Lecture 3, Lab. 3. 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. Lab required. Course fee. Prerequisite: a grade of C- or higher in BIO 111, 112, and Chem 115.

BIO 36_ Ecology and Natural History Study Tours

2-3 credit hours [See department]

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

BIO 371 The Biology of the Brain

3 credit hours

A study of the structure and function of the brain, neurotransmitter systems, their interactions, and implications for brain function. Neurodegenerative disorders are discussed as examples throughout the course. Prerequisite: BIO 110, 111 or 243.

BIO 377 Conservation Biology

3 credit hours

An introduction to the principles and practices of conservation biology. Conservation biology is the discipline in science dealing with the preservation of biodiversity. The preservation of biodiversity requires input from biology, economics, sociology, political science, sociology, and philosophy. Prerequisite: a grade of C- or higher in Bio 111 or Bio 112

BIO 380 Biology Service Learning

2-3 credit hours

Special course developed and offered to explore biology-related interdisciplinary or advanced program service opportunities related to a particular community issue or need. Led by a faculty member with interest and experience in the special topic area. Specific course title and credits will vary per faculty member focus, course objectives, and depth of service–learning experience. Prerequisites: a grade of C- or higher in BIO 111 or 112; upper-level standing, declared major and permission of instructor are required.

BIO 385 Physiology of Exercise

3 credit hours

A course designed to give instruction in the physical processes of the body and how they relate to physical exercise. Applications will be made to areas of teaching, coaching and conditioning of the athlete. Prerequisite upper-level standing,

BIO 243, BIO 253, 343 or concurrent enrollment. Same as HHP 385.

BIO 399 Research in Biology

3 credit hours

Upper-level students will perform biological research under supervision of biology faculty and with assistance of students who are registered for BIO 299. Bio 299 and Bio 399 students will meet as one class but will have different course requirements. Writing Intensive. Course Fee. Prerequisite: upper-level standing and instructor permission.

BIO 450 Advanced Human Dissection

3 credit hours

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

BIO 465 Human Diseases

3 credit hours

Discussion of disease process and ill–health. Emphasis on epidemiology, prevention, treatment, and the understanding of the etiology of communicable and non–communicable diseases. Prerequisite: Bio 243, 253, 254, 343 or 344; upper-level standing. Same as HHP 465.

BIO 489 Immunology

3 credit hours

This course details the components and function of the immune system. The generation of white blood cell types from the bone marrow is analyzed. The function of each type of white blood cell is reviewed. Of particular emphasis is the role of chemical agents (cytokines) in initiating and coordinating the immune response. Topics include the genetic inheritance of immunity, the biology of immunodeficiencies, autoimmune diseases, allergies and hypersensitive reactions, vaccines, transplantation, antibody technology, gene therapy, and cancer. Prerequisites: a grade of C- or higher in BIO 111 or 112

BIO 498 Biology Internship

1-3 credit hours

Students gain experience in a biology and/or medical related field by working in an internship position under direct supervision of a biologist and/or medical personnel. Prerequisites: a grade of C- or above in BIO 111 and 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 a capstone fulfillment course or as an elective in biology majors.)

BIO 499 Honors Course

1-3 credit hours [See department]

Upper-level biology course offering an in-depth examination of a selected topic within the biological sciences. Subject matter varies by semester and may include areas such as molecular mechanisms, organismal biology, ecological systems, or emerging research fields. Specific course topic information will be provided each semester this course is offered. Designed for motivated juniors and seniors seeking an advanced upper-level academic experience. Prerequisites: Minimum junior standing. Additional prerequisites for specific course sections as determined by the instructor.

BUSINESS

BUS 111 Entrepreneurship Foundations

3 credit hours

The purpose of this course is to provide students with a solid foundation of the role by entrepreneurs and entrepreneurship in the 21st century global economy. To be examined: assessment, exploration, analysis and celebration of the phenomenon of entrepreneurship in for-profit and non-profit settings. This course will examine the Lean Business Model Canvas in the application of the entrepreneurial mindset.

BUS 121 Financial Accounting

3 credit hours

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

BUS 122 Managerial Accounting

3 credit hours

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

BUS 195 Leadership Foundations

3 credit hours

Students will work to understand leadership concepts, competencies, and frameworks to further their self-awareness, emotional intelligence, and purpose. We will engage in an experiential learning culture to exercise servant leadership. Prerequisite: Must have declared a business Leadership concentration, a business Leadership minor, Agricultural Leadership minor, Christian Education Leadership minor, Missional Leadership minor, or a Vocational Leadership minor.

BUS 211 Identifying & Exploring Entrepreneurship Opportunities

3 credit hours

The purpose of this course is to explore the creative skills fundamental to the process of identifying and exploring

entrepreneurial opportunities. This course will examine the analytical tools of the Lean Business Model Canvas needed to explore the feasibility of an entrepreneurial opportunity. Students will explore the Lean Start-up Process by integrating experiential exercises and case studies on the development of innovative thinking and venture exploration, which would ultimately lead to a new venture creating new products, services, and ideas. Prerequisite: BUS 111.

BUS 221 Intermediate Accounting I

4 credit hours

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

BUS 222 Intermediate Accounting II

4 credit hours

Continuation of BUS 221.

BUS 261 Marketing

3 credit hours

Provides students with a thorough appreciation for the benefits and pitfalls of executing a customer orientation. Using market segmentation; management of mature products and introduction of new products. Developing long-term relationships with customers. Identifying and analyzing possibilities in consumer and industrial markets. Management of the marketing mix including product planning, distribution institutions and activities, promotion and pricing. Prerequisite: ENG 102 or equivalent.

BUS 281 Business Communication

3 credit hours

Survey of the business communication discipline, including writing and editing, the features of organizational structure and how they affect communication, and small group theory and research, including the concepts of organizational culture, and norms and rules. Improving organizational effectiveness through appropriate use of business communication resources. Pre-requisite: Eng 102.

BUS 295 Servant Leadership

3 credit hours

This course examines the paradigm of servant leadership. Also examined are the ethical behavior and moral responsibilities of leaders and followers. This course will explore research and writing on servant leadership to better understand the behaviors and antecedents of servant leaders. We will engage in the identification and development of our moral compass. Prerequisite: Must have declared a business Leadership concentration, a business Leadership minor, Agricultural Leadership minor, Christian Education Leadership minor, Missional Leadership minor, or a Vocational Leadership minor.

BUS 300 Business Law

3 credit hours

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

BUS 311 Business Plan Development & Decision Making

3 credit hours

The purpose of this course is to take an in-depth look at the business planning process. By the end of the class, students will produce their own business plan. Successful entrepreneurs must effectively manage scarce resources in an increasingly complex and global world. This course is designed to provide students with a wide range of financial skills to more effectively manage their resources necessary for a new entrepreneurial venture. Prerequisites: BUS 111, BUS 121; BUS 331 or concurrent enrollment.

BUS 321 Cost Accounting

3 credit hours

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

BUS 322 Advanced Accounting

3 credit hours

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

BUS 323 Financial Statement Analysis and Decision Making

3 credit hours

Application of concepts from introductory accounting and finance as well as a more thorough investigation of selected topics such as ratio analysis, capital budgeting, dividend policy, leverage and acquisition valuation. Prerequisite: BUS 331.

BUS 325 Accounting and Information Systems

4 credit hours

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

BUS 325A Accounting and Information Systems

1 credit hour

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

BUS 331 Finance

3 credit hours

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

BUS 335 Investments

3 credit hours

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

BUS 336 Insurance

3 credit hours

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

BUS 337 Banking

3 credit hours

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

BUS 343 Operations Management

3 credit hours

A functional study of operational concepts as applied to managing the production of goods and services within a variety of environments such as profit, nonprofit, service and manufacturing-oriented organizations. Prerequisite: MATH 122 or MATH 128.

BUS 345 Management Science

3 credit hours

Introduction to management science, including modeling, linear programming, integer programming, network analysis, waiting line theory, simulation, decision analysis, and inventory models. Prerequisite: MATH 122 or MATH 128.

BUS 351 Human Resources Management

3 credit hours

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

BUS 362 Advertising and Integrated Marketing Communication

3 credit hours

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

BUS 363 Sales and Sales Management

3 credit hours

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

BUS 364 Consumer Behavior

3 credit hours

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

BUS 366 Marketing Research

3 credit hours

Explores the role of marketing research in analyzing new opportunities in the marketplace through hands–on practice. Effective oral and written communication of research results is stressed. Topics include research study and instrument design, data collection and analysis, primary and secondary data collection, sampling, and statistical analysis. Prerequisites: BUS 261; MATH 122 or MATH 128.

BUS 368 Digital Marketing

3 credit hours

This course focuses on the emerging field of digital marketing and discusses its impact on both the firm and consumers. Students will learn how organizations leverage digital marketing strategies and tactics to strengthen their marketing efforts, and how consumers are using digital tools to improve the consumption experience and increase the power of the consumer. The course will review the foundations of marketing (i.e., product, promotion, placement, and price) and discuss how

each of these are being impacted by the rise of new digital tools. Prerequisite: BUS 261.

BUS 369 International Business

3 credit hours

This course examines issues essential to an understanding of international business activity. It includes the nature of international business, international economic institutions and issues, international monetary issues, government activity affecting international trade, social and cultural effects on international business, human resource management and other related topics. Prerequisite: sophomore standing or higher.

BUS 371 Information Systems

3 credit hours

Survey of the information systems discipline, including information technology, telecommunications and networks, systems design and development, and security/privacy issues. Improving organizational effectiveness through appropriate use of information system resources.

BUS 391 Senior Project in Business Entrepreneurship

3 credit hours

The Senior Project in Business Entrepreneurship is intended to provide students with an opportunity to extend and advance their business coursework. The client focus would be city governments, Chambers of Commerce, small businesses, nonprofits, and entrepreneurs. Once accepted as a client, that client would be paired with a student or team in this course. The instructor would facilitate work by the students in that class devoted to solve that organization's problem that would be presented to the client. Prerequisite: must have completed at least 21 hours of BUS courses; senior standing.

BUS 395 Leadership Skills Development

2-3 credit hours

This is an experiential, competency-based course designed to help students become more aware of a wide range of managerial and leadership concepts. Likewise, we will be building skills around ethical decision making, problem solving, negotiation, conflict management, and presentation skills. Students will represent CUNE at the Collegiate Leadership competition. Prerequisites: instructor permission.

BUS 396 Coaching Leadership Development

3 credit hours

This is an experiential, competency-based course designed to help students become more proficient in the coaching of a wide range of managerial and leadership concepts. The course will be building skills around assessment and feedback of ethical decision making, problem solving, negotiation, conflict management and team building. Meets with BUS 395. Prerequisites: BUS 395 and instructor permission.

BUS 397 Community & Organization Development

1-3 credit hours

In this course a single student or a group of students will be assembled by the Dean or a faculty member in the Department of Business to work on a project for a client of the Department of Business Community & Organization Development Clinic. The project could range from brand campaign development, marketing plan assembly, operations analysis, business opportunity research, or other planning areas based on the client's needs. The assigned faculty member will facilitate an initial meeting with the client and the student(s) to learn about the mission and vision for the organization, project needs, client expectations, and a timeline for the project. The faculty member will then meet with the student(s) to delegate responsibilities and a timeline for task completion. The student(s) will then spend documented hours working for the client under the guidance of the faculty member throughout the session or semester while also meeting with the faculty member and client at scheduled intervals to ensure task completion timeliness and quality. In the final week of the session or semester, the student(s) will both assemble a written document for the client that addresses the objectives provided as well as conduct an oral presentation to the client highlighting the recommendations. Instructor permission required for registration.

BUS 399 Internship

1-3 credit hours

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

BUS 400 Business Ethics

3 credit hours

A study of Christian ethics and practice in relationship to the conduct of business. This course is intended to provide students with an opportunity to develop an understanding of ethics from a Christian worldview, integrate those Biblical principles into their everyday life, and apply them to the workplace. We will explore adult moral development and ethical decision making in the workplace. We will discuss how people deal with the ethics of everyday life, and where moral courage is demonstrated (or not). The application of ethics is about having the moral courage to do the right thing, regardless of the consequences. Living ethically is a life of faith integration, not compartmentalization. Case studies and ethical dilemmas are utilized to give skills in problem analysis and the application of a Christian worldview. Prerequisite: Junior standing or higher.

BUS 411 Entrepreneurship – Venture Management Tools & Techniques

3 credit hours

The purpose of this course is to provide an innovative educational experience for students. Students will utilize their business plans developed as part of the Entrepreneurship Concentration and will explore venture management tools and techniques to pitch and launch a new business venture. Students may be asked to enter their business plans into the business planning competitions in which the university participates. Prerequisites: BUS 111, BUS 211, BUS 311.

BUS 421 Tax Accounting

3 credit hours

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

BUS 422 Auditing

3 credit hours

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

BUS 443 Organizational Behavior

3 credit hours

An evidence-based approach to study the understanding, prediction, and management of human behavior in organizations. Topics include: a Biblical perspective of work, servant- leadership, ethical foundations, organizational culture, diversity, personality, work motivation, laws of human behavior, rewards and punishment, workplace design, power and politics, work teams, group development, and leadership. Prerequisite: junior standing.

BUS 446 Strategic Management

3 credit hours

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

BUS 480 Business as Mission

3 credit hours

This course will offer students the opportunity to immerse themselves in a new culture, gain valuable international experience and be involved in hands-on projects applying their business knowledge and skills.

BUS 495 Senior Seminar in Leadership and Ethics

3 credit hours

In this capstone course of the leadership program, we will integrate and apply learning from the other leadership courses. We will examine a moral compass and current events, analyzing them through the lens of a Christian Worldview and dimensions of ethical leadership. Prerequisite: BUS 400.

CHEMISTRY

CHEM 109 Introductory Chemistry

3 credit hours

Lecture 2, Lab. 2. An introduction to the concepts of inorganic chemistry, the common elements, and their compounds. Selected topics in organic chemistry, polymer science, biochemistry, food chemistry, and fuels chemistry. May serve as a prerequisite for CHEM 115. This course is intended for students with limited experience in chemistry.

CHEM 115 General Chemistry I

4 credit hours

Lecture 3, Lab. 3. The first course of a two-semester study of general chemistry for science majors and pre-health professional students. Atoms and molecules, chemical reactions and reaction stoichiometry, phases of matter, electronic structure, bonding, molecular shapes, and intermolecular forces. Prerequisite: Minimum grade of B- in either high school chemistry or CHEM 109. Pre-Calculus is recommended. Minimum ACT composite score of 22 or college GPA of 2.5 strongly recommended.

CHEM 116 General Chemistry II

4 credit hours

Lecture 3, Lab. 3. Continued study of general chemistry: chemical kinetics, equilibrium, acids and bases, thermodynamics, electrochemistry, and nuclear chemistry. Prerequisite: grade of C- or higher in CHEM 115.

CHEM 231 Organic Chemistry I

4 credit hours

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

CHEM 255 Introduction to Chemistry Instrumentation

1 credit hours

This laboratory course introduces the use and maintenance of chemistry instrumentation in the physical and natural sciences. Students participate in discussions introducing various instruments, complete in-class and out-of-class tutorials and develop and complete small independent projects applying chemistry instrumentation to questions interesting them. Prerequisites: Chem 231 or Phys 381

CHEM 313 Advanced Inorganic Chemistry

3 credit hours

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

CHEM 325 Quantitative Analytical Chemistry

4 credit hours

Lecture 3, Lab. 3. The fundamental principles of gravimetric and volumetric quantitative analysis and including some instrumental analysis. Prerequisite: grade of C- or higher in CHEM 116.

CHEM 331 Organic Chemistry II

4 credit hours

Lecture 3, Lab. 3. Continued study of organic chemistry: structure, nomenclature, function, and reactivity of organic

compounds. Topics include the reactions of aromatic and carbonyl containing compounds, carbon-carbon bond-forming reactions, multi-step synthesis, polymer chemistry, and spectroscopic analysis of organic compounds. Laboratory includes single- and multi-step synthesis, purification, and identification of organic compounds. Course fee. Prerequisites: grade of C- or higher in CHEM 231. CHEM 116 or concurrent enrollment. WI

CHEM 345 Biochemistry

3 credit hours

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

CHEM 346 Biochemistry Lab

1 credit hour

This course introduces students to advanced techniques in biochemistry, cell, and molecular biology. Students will also obtain practice in the acquisition, analysis, communication, and interpretation of experimental data and results. Prerequisites: a grade of C- or above in Bio 111 and grades of C- or higher in 8 hours of chemistry courses.

CHEM 347 Advanced Biochemistry

3 credit hours

Lecture 3. An advanced study of topics in biochemistry with a focus on how biomolecules are analyzed, bioenergetics, the relationship between structure and function of proteins & nucleic acids, the metabolism of nitrogen and nucleotides, carbohydrate metabolism in plants, gene expression regulation, and recombinant DNA technology. Prerequisites: Minimum grade of C in CHEM 345

CHEM 353 Physical Chemistry

3 credit hours

Lecture 3. A theoretical study of chemistry dealing with the gaseous, liquid, solid and colloidal states of subdivision, solution, thermodynamics, reaction kinetics, equilibrium, and electrochemistry. Prerequisites: grade of C- or higher in CHEM 231 or PHYS 381. MATH 186 or concurrent enrollment. PHYS 111 is recommended. Same as PHYS 353.

CHEM 354 Physical Chemistry II

3 credit hours

Lecture 3. A continuation of CHEM/PHYS 353, Physical Chemistry I/ Thermodynamics and Chemical Kinetics. This is an introduction to Quantum Mechanics with applications to the structure of atoms and molecules and to spectroscopy. Prerequisites: grade of C- or higher in CHEM 231 or PHYS 381. CHEM 116 and MATH 186 are required. PHYS 111 and MATH 284 are recommended. Same as PHYS 354.

CHEM 355 Physical Chemistry Laboratory

1 credit hour

Lab, 3. This course includes the measurements of important physical constants and a rigorous introduction to reading and presenting current published literature in chemistry, physics, and related areas. Students are introduced to scientific writing in manuscript format and are equipped with general skills for work in graduate and professional school. Prerequisites: grade of C- or higher in CHEM 231 or PHYS 381. PHYS 111, PHYS 112, CHEM 115, and CHEM 116 are recommended.

CHEM 356 Physical Chemistry Laboratory II

1 credit hour

Lab 3. This course is an introduction to chemistry research in which students propose, conduct, and present the results of an original project. Current published literature in chemistry, physics, and related areas is evaluated and presented. Students undergo general preparation for graduate and professional school. This course is considered a capstone for students receiving Concordia's B.S. in chemistry. Prerequisites: grade of C- or higher in CHEM 231 or PHYS 381. PHYS 111, PHYS 112, CHEM 115, and CHEM 116 are recommended.

CHEM 395 Advanced Topics in Chemistry Seminar

1-3 credit hours

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

CHEM 399 Chemistry/Biochemistry Internship

3 credit hours

Students gain experience in a chemistry and/or biochemistry-related field by working in an internship position under the direct supervision of a chemist and/or a biochemist. Students should consult the Chemistry faculty and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. Prerequisites: CHEM 115, CHEM 116, CHEM 231, 6 hours of 300-level CHEM courses, minimum junior standing and permission of the chemistry faculty.

CHINESE

CHNS 101 Beginning Mandarin I

3 credit hours

The purpose of this beginner's course is to train the student to function successfully in Chinese culture using Mandarin as a language through the development of communication skills that cross ethnic and cultural boundaries and an understanding of Chinese interpersonal behavior and related thought. This course focuses on basic speaking and listening skills, vocabulary, and grammar; it requires the student to demonstrate a level of cultural understanding suitable for correct performance of assigned tasks in Chinese.

CHNS 102 Beginning Mandarin II

3 credit hours

This course continues the Mandarin language and Chinese culture training initiated in CHNS 101 with more advanced topics in Mandarin conversational proficiency, vocabulary, and

grammar. This course incorporates speaking, listening, reading, and writing skills; the student will learn to read and write a number of Chinese characters and the pinyin system. As in CHNS 101, the course requires the student to demonstrate a level of cultural understanding suitable for correct performance of assigned tasks in Chinese. Prerequisite: CHNS 101.

CHNS 201 Intermediate Mandarin I

3 credit hours

This course continues the student's development of Mandarin language skills through more advanced training in conversational proficiency, vocabulary, grammar; the student will continue to improve speaking, listening, reading, and writing skills and will continue to learn more about Chinese culture. The course requires the student to demonstrate a level of cultural and linguistic understanding suitable for correct performance of assigned tasks in Chinese. Prerequisite: CHNS 102.

CHNS 202 Intermediate Mandarin II

3 credit hours

This final course in the Mandarin minor/subject concentration core sequence continues the student's development of Mandarin language through more advanced training in conversational proficiency, vocabulary, and grammar; the student will continue to improve speaking, listening, reading, and writing skills and will continue to learn about Chinese culture. The course requires the student to demonstrate a level of cultural and linguistic understanding suitable for correct performance of assigned tasks in Chinese. Prerequisite: CHNS 201.

CHNS 301 Advanced Mandarin I

3 credit hours

This course bolsters students' communicative competence in Mandarin listening, speaking, reading, and writing through more advanced instruction in vocabulary and grammar. The student will develop the ability to distinguish between spoken discourse styles and written language genres and will utilize knowledge of Mandarin in spoken and written discourse with native speakers. Pre-requisite: CHNS 202.

CHNS 302 Advanced Mandarin II

3 credit hours

This course continues to build students' communicative competence in Mandarin listening, speaking, reading, and writing through more advanced instruction in vocabulary, grammar, and linguistic norms. The student will continue to gain Mandarin sociolinguistic proficiency and will utilize spoken and written Mandarin in authentic interactions with native speakers. Prerequisite: CHNS 302.

CHNS 321 Chinese Culture in Mandarin

3 credit hours

This lecture-style course, taught in Mandarin, discusses various topics related to the development of Chinese culture in the pre-modern and modern Chinese world. Specific topics covered in the course will be selected at the discretion of the instructor based on the interests of the instructor and the students; these topics will include such areas as Chinese philosophical thought, Chinese government, the Chinese world outside of China (including communities in the US), economic development in the Chinese world, environmental awareness in China, and China's changing demographics. Prerequisite: CHNS 202.

CHNS 341 Introduction to Reading in Chinese

3 credit hours

In this course the student will read, translate, and discuss a range of poetry, short stories, and literary excerpts in Chinese, both classic and contemporary. Through this course the student will become acquainted with the long-standing Chinese literary tradition and its notions of what constitutes great literature, from a Chinese cultural point of view. Reference will be made to contemporary adaptations of Chinese literature in modern films in the Western world and the accompanying shift in cultural viewpoint. This course is taught in a mixture of Mandarin and English. Prerequisite: CHNS 202.

CHNS 399 Independent Study

1-6 credit hours

Topic or program hours by arrangement.

CHRISTIAN EDUCATIONAL LEADERSHIP

CEL 229 Introduction to DCE Ministries

2 credit hours [Fall]

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

CEL 235 CEL Field Experiences I

1 credit hour

An examination of the operational and administrative structures of the local congregation. The student will complete a guided, on- site analysis of a congregation, focusing especially on topics related to administrative structures, budgeting, vision/mission/goals, decision-making processes, participation levels, staffing and risk management.

CEL 300 Outdoor Christian Education

2 credit hours

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

CEL 329 DCE Ministries II: The Emerging DCE

3 credit hours

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

CEL 335 CEL Field Experiences II

1 credit hour

An examination of the educational ministries of the local congregation. The student will complete a guided, on-site analysis of a congregation's educational efforts, focusing especially on volunteer recruitment and management, record-keeping, scope and sequence, evaluative efforts, teaching methodologies, participation levels and hoped-for outcomes.

CEL 358 Religious Education and Innovative Technology

1 credit hour

Technological advances have introduced new methods of educating – and need to be better understood in regard 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.

CEL 382 Congregational Children's Ministry

2 credit hours

In this course, the spiritual and educational needs of children from birth to junior high will be assessed and plans to enhance ministries to children will be developed and analyzed in light of those needs and of the unique ministry of the local congregation.

CEL 388 Youth Ministry Theory and Methods

3 credit hours

A course which provides students an opportunity to reflect upon an ongoing youth ministry involvement while developing parish-based youth work competencies and enriching their cognitive understanding of youth culture, varying models of youth ministry, current synodical resources, and the theology that underlies this activity.

CEL 389 Congregational Care-Action Ministry

2 credit hours

This course will assist students to be more effective in their personal efforts to provide care as well as their ability to direct congregational efforts to assist those in need within the congregation and secular community.

CEL 480 Practicum in DCE Ministries

1.5 + 1.5 credit hours

A course designed to expose DCE students to the history, philosophy, current research, and skills/attitudes of DCE ministry in addition to an on-site involvement with a DCE serving a congregation. Prerequisite: Admission to DCE program. (Course completed over two semesters earning 3 credit hours.)

CEL 481 Director of Christian Education Internship

12 + 12 credit hours

Upon admission to the DCE Internship, a student may be assigned to a congregation for 8 weeks to 12 months, depending on previous experience and future plans. This full-time, salaried internship may begin after the junior year, and once CEL 480 has been satisfactorily completed. Course is completed over two semesters earning 24 credit hours. P/NR.

CEL 483 Leadership Development: Enabling Others to Lead and Teach

3 credit hours

Pertinent theories, models, and strategies from the fields of management, leadership training, group process and education will be surveyed and evaluated in the light of the Biblical witness and the content of the Lutheran Confessions for possible implementation within local parishes to enable lay persons to become more effective leaders and teachers. Prerequisite: upper-level standing.

CEL 484 Confirmation Planning and Implementation

2 credit hours

The purpose, history, and structure of confirmation in the Lutheran Church is reviewed and assessed for the purpose of structuring and outlining implementation strategies for use in a local congregation. Adult and junior confirmation programs are considered. Prerequisite: upper-level standing.

CEL 485 Parish Education Program Administration

3 credit hours

An introduction to and exploration of the theory and processes associated with the administration of parish education programs. Special emphasis is placed on: idea generating, initiating change, leadership, promotion, evaluation, program planning, use of technology, creating ownership, explanation of pertinent systems, budget management, and curriculum review. Prerequisite: upper-level standing.

CEL 486 Family Life Ministry

3 credit hours

A study of various models and strategies useful for initiating and sustaining a ministry to families in the context of a local parish. Emphasis will be placed upon family life ministry programs, evaluating curricula designed to be used in family life ministry, and family enrichment experiences.

CEL 487 Planning Adult Education in the Parish

3 credit hours

In planning educational events for adults, this course gives attention to ways of teaching for faith, adults as learners, the ministry of the laity, the design of educational programs, and curricula. Prerequisite: Upper-level standing.

CLASSICAL LUTHERAN EDUCATOR CERTIFICATION

CLA 301 Classical Pedagogy

3 credit hours

The course focuses on the foundational elements that define classical pedagogy. An overview of the Reformation themes within classical pedagogy as well as an historical study of the classical education movement are features of the course. The course draws attention to instructional methodology consistent with classical pedagogy.

CLA 401 and 402 Classical Practicum

1.5 + 1.5 credit hours

The course provides a classical pedagogical experience for those students seeking Classical Lutheran Educator Certification. The practicum involves the student in a Classical Lutheran educational setting with on-site, supervised teaching and assisting educators at the school. Prerequisite: Admission to the Classical Lutheran Education program and successful completion of CLA 301. Course completed over two semesters.

COMMUNICATION AND THEATRE ARTS

CTA 100 International Student Seminar

0.5 credit hours

This seminar course supports the communication skills and success of international students on campus. Topics include cross-cultural communication, writing, maintaining F-1 visa status, academic expectations at the university, behaviors that lead to academic success, navigating a new culture, balancing personal needs and life stressors, networking with other international students, and building familiarity with various campus individuals to support college entry and trajectory. (This is not a replacement for any first year or general education course.)

CTA 103 Experiences in Human Communication

3 credit hours

An introduction to the basic principles of intrapersonal, interpersonal, group and public communication. The course includes listening, group dynamics, fundamentals of public speaking and information literacy. As part of the general education curriculum, a focus will be given to the concepts of love, truth, and fidelity and the understanding and application of each in the field of communication studies.

CTA 152 Basic Acting Technique

3 credit hours

An introductory acting course which enhances students' communication skills through the study of physical, vocal, analytical, and intuitive techniques used in creating a character for theatrical performance. Students of any major will explore how theatre and acting skills are applicable (and important) for other career and life situations, and how theatre connects them more closely to issues related to their faith life, their neighbors in surrounding communities and the world, and their Creator, and to the exploration and expression of one’s ethics and virtues.

CTA 153 Theatre History

3 credit hours

This survey course provides an overview of theatre history and its relation to culture, beginning with ancient ritual drama and including Western and selected non-Western theatre traditions that influence theatrical performance today. The course also introduces and incorporates plays representing the themes and theatrical styles/elements used of their respective time period. The course explores how theatre connects closely to issues related to one’s faith life, neighbors in surrounding communities and the world, and their Creator, as well as provokes thoughtful reflection and discussion about expressions of truth, fidelity, and love.

CTA 154 Creative Drama

3 credit hours

Dramatic exercises and improvisation for personal development and procedures for leading creative drama in classroom, church, and other group settings. The use of theatre as public engagement/outreach will also be introduced. Students of any major will learn to value creative drama as a means of developing the whole person and his/her relationships with others for other career and life situations, as well as to explore how theatre connects them more closely to issues related to their faith life, their neighbors in surrounding communities and the world, and their Creator, and to the exploration and expression of one’s ethics and virtues.

CTA 200 Forensics

3 credit hours

An overview of competitive speech events, argumentation, debate and practice. Students are required to prepare for competitive speaking and will study issues related to practice, coaching, research, budgeting and tournament administration and practice.

CTA 203 Communication Theory

3 credit hours

This course features an overview of communication theory from the classical tradition to current theoretical approaches in human communication. The class focuses on how we communicate Truth to neighbors and maintain fidelity (commitment) to effective communication with our neighbors. Prerequisite: ENG 102.

CTA 211 Public Speaking

3 credit hours]

An exploration of the theory and practice of public address in a variety of settings. As part of the general education curriculum, a focus will be given to the concepts of love, truth, and fidelity.

CTA 224 Listening

3 credit hours

This course will explore the different types of listening, the different processes used, and the importance of listening in daily life. Barriers to listening and how to manage those will be discussed. Listening behavior in various contexts will be assessed. An action plan to improve one's own listening will be created. Prerequisite: ENG 102.

CTA 225 Writing and Reporting

3 credit hours

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

CTA 226 Journalistic Editing and Design

3 credit hours

Students will learn basic techniques and principles of news editing including digital copy editing. In addition, students will learn basic techniques and principles for designing newspapers, newsletters and other print products, working in a computer laboratory setting.

CTA 231 Oral Interpretation

3 credit hours

Development of vocal and physical communication skills through the analysis and performance of literature. Students perform prose, poetry, drama, and non-fiction sources. Students of any major will learn to value literature and to explore how performance skills are applicable (and important) for other career and life situations, as well as connects them more closely to issues related to their faith life, their neighbors in surrounding communities and the world, and their Creator, and to the exploration and expression of truth, fidelity, and love.

CTA 232 Costume and Makeup Design

3 credit hours

This course teaches the principles and elements of costume design and provides instruction in basic stage makeup techniques such as aging, character makeup and stylized makeup. Prerequisite: CTA 153 or permission of the instructor.

CTA 233 Stage Scenery, Lighting and Sound

3 credit hours

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

CTA 241 Media Literacy

3 credit hours

Studies in print and electronic media, particularly how to discern the credibility and influence of information that affects the individual and society. Research projects and student media presentations enable the student to explore and experience techniques of mass media and assess their impact.

CTA 242 Introduction to Broadcast Journalism

3 credit hours

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

CTA 252 Theatre Production Workshop

3 credit hours

Students will participate in the preparation and presentation of a stage play production, with emphasis on analysis, characterization, memorization, and blocking. In addition to acting, students will explore and integrate design, stage management, and other technical production elements. Students of any major will explore how theatre encourages the collaboration of unique artistic skills to create a production; how these skills are applicable (and important) for other career and life situations; and how theatre connects them more closely to issues related to their faith life, their neighbors in surrounding communities and the world, and their Creator, and to the exploration and expression of one's ethics and virtues. Prerequisite: CTA 152 or 154 or 254, or permission of instructor.

CTA 254 Improvisation as Outreach

3 credit hours

This course introduces the use of theatre as public engagement, and as a format and vehicle for delving into issues of social and cultural awareness and justice. Students will gain a theoretical and practical knowledge and understanding of key concepts and practices in the field of applied theatre. By learning and using skills in applied theatre and for devising new work, including interactive and improvisational theatre, students will collaboratively develop issue-oriented dramatic material, and will present scenes and workshops to local and regional schools, churches, and organizations, based on the needs of the audience. Students of any major will explore how theatre and acting skills are applicable (and important) for other career and life situations, and how theatre connects them more closely to issues related to their faith life, their neighbors in surrounding communities and the world, and their Creator, and to the exploration and expression of one's ethics and virtues. May be repeated.

CTA 270 Theatre Study Tour

1-3 credit hours

This interactive course provides opportunities for exploration of drama through the attendance of theatre performances of different periods and styles at different venues, in order to examine plays, playwrights, production choices, theatre spaces, and other aspects of theatre. Students of any major will learn to appreciate and discuss drama, and will explore how theatre connects them more closely to issues related to their faith life, their neighbors in surrounding communities and the world, and their Creator, as well as provokes thoughtful reflection and discussion about expressions of truth, fidelity, and love. May be repeated.

CTA 281 Business Communication

3 credit hours See BUS 281.

CTA 285 Social Media

3 credit hours

This course will introduce students to the theory and forms of social media. What are social media, who uses them, who gains from them, and how are they transforming the media landscape, the way we understand our world and our ability to communicate effectively within it? Students will become familiar with a range of social media tools, analyze and discuss their uses and implications, and conduct real-world social media campaigns of their choice.

CTA 296 Journalism Practicum

1 credit hour

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

CTA 297 Communication Practicum

Course description: A 40-hour arranged experience for students in public speaking, social media, public relations, internal or external communication programming or integrated marketing for business or non-profit organizations. Students should consult with communication faculty members prior to registration to develop a project plan. Pre-requisite: Permission of the instructor.

CTA 298 Forensics Practicum

1 credit hour

Interscholastic speech competition including: literary interpretation, public address, parliamentary debate, Lincoln–Douglas Debate (NFA Policy Debate), and other events in competitive speaking. The course may be used for up to three hours in a communication major, although the course may also be taken for additional free elective hours. Prerequisite: Permission of the instructor.

CTA 299 Theatre Practicum

1 credit hour

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

CTA 300 Placement Seminar

1 credit hour

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

CTA 301 Public Relations

3 credit hours

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

CTA 302 Rhetorical Theory

3 credit hours

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

CTA 306 Interpersonal Communication

3 credit hours

In-depth work and analysis of interpersonal communication. Topics include relationship development and maintenance strategies, nonverbal communication in relationships, conflict resolution and impression management strategies. Prerequisite: ENG 102.

CTA 309 Small Group Theory for Teams and Leadership

3 credit hours

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

CTA 311 Persuasion, Argumentation and Debate

3 credit hours

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

CTA 320 International Study Tour

3 credit hours

Students have the opportunity to travel to an international location for a cultural immersion experience and work with the instructor on relevant communication coursework.

CTA 327 Advanced Writing and Reporting

3 credit hours

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

CTA 333 Intercultural Communication

3 credit hours

The study of cultural practices that influence the exchange of meaning between individuals and groups of differing cultural/racial backgrounds. The course is designed to provide students with a theoretical and practical 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. Prerequisites: ENG 102 or ENG 231. Sophomore standing or higher.

CTA 373 Play Production

3 credit hours

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

CTA 390 Dramaturgy

3 credit hours

An exploration and application of the processes, research, and resources needed to make informed choices in creating quality dramatic production. Students will learn, develop, and apply skills in literary and historical research, script analysis, presentation, and collaboration, toward providing better knowledge of dramatic texts and practical support to theatrical productions and

collaborators. Prerequisites: ENG 102 and either CTA 153 or ENG 201, or permission of instructor.

CTA 399 Independent Study

1-3 credit hours

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

CTA 400 Communication Research

3 credit hours

An overview of the methodological approaches to communication research. Students will conduct and present and original research project. 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. I

CTA 499 Internship

1-3 credit hours

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

COMPUTER SCIENCE

CS 131 Computer Science I

4 credit hours (3 lecture hours and 1.5 lab hours)

Introduction to computer science, developing and applying computational thinking and programming skills to solve problems. Focus is on developing skills in algorithm development and program implementation. Topics include programming fundamentals, best practices, debugging errors, data types, binary, object-oriented concepts, and emerging technologies.

CS 141 Computer Science II

3 credit hours

Continued development and application of computational thinking and programming skills, with an introduction to algorithm analysis. Focus is on algorithm design along with program development and evaluation, while applying object-oriented programming. Algorithms to be studied include sorting and searching methods, string processing, and the manipulation of data structures: arrays, stacks, queues, and linked structures. Prerequisite: grade of C or higher in CS 131.

CS 211 Seminar in Information Technology

3 credit hours

Fundamentals of computer hardware and software, focusing on how they compose the essential components of IT systems. Topics include a brief history of computer science, a survey of contemporary operating systems, scripting languages, and intersystem communication. Batch processing and scripting techniques will be covered. Prerequisite: CS 131.

CS 221 Web Development

3 credit hours

An introduction to web development, including HTML, CSS, and JavaScript. Topics include the front-end web technologies, backend web technologies, web design best practices, and cloud computing. Students will build and deploy a fully functional website. Prerequisite: CS 131

CS 231 Computer Systems

4 credit hours

An introduction to the architecture of a computer system at the hardware register level. In addition to a general discussion of the organization of a central processing unit, specific examples of both CISC and RISC architectures are discussed in detail. A 1-hour component allows C and C++ to be integrated into the course as high-level languages that can perform low-level memory operations. Prerequisite: grade of C or higher in CS 141.

CS 241 Computer Organization

3 credit hours

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

CS 290 Computer Science Practicum

1 credit hour

Self-directed practicum completed under the mentorship of faculty and industry experts for students to gain experience working on real-world problems in computer science. Specific projects will relate to individual student interests such as

application development, machine learning, cybersecurity, algorithm analysis, advanced data structures, and research. Prerequisite: grade of C or higher in CS 131.

CS 310 Systems Administration

3 credit hours

An overview of modern systems administration for diverse computing environments. The course covers topics including data centers, Linux server management, cloud computing, development operations (Dev Ops), and administrative tooling. Students will learn to deploy and manage computer systems with hands-on lab activities and apply their knowledge and skills in a course project. Prerequisite: grade of C or higher in CS 131.

CS 311 Cybersecurity

3 credit hours

An introduction to data and systems security; cybersecurity principles; cyberattacks and detection, vulnerability, and risk assessment. The course will focus on the risks, threats, and vulnerabilities associated with the transformation to a digital world. The course will discuss the principles of network and operational security and compliance, including a review of information security standards and laws, that will help prepare students for professional security certification. Prerequisite: CS 211 or CS 231. CS 341 recommended.

CS 312 Digital Forensics

3 Credit hours

This course examines the fundamentals and procedures of digital system forensics. It will examine the tools, techniques, and methodology to perform digital forensics and investigations. The course will investigate how to perform forensics in the Windows, Linux, and Macintosh operating systems as well as on networks and mobile devices. The course will explore incident and intrusion response and future directions in the field of system forensics. The course will provide experience and skills in gathering and analyzing digital evidence that is in demand for digital security professionals. Prerequisite: CS 311.

CS 314 Application Development

3 credit hours

An applied course in developing web-based software applications. Topics include front-end web frameworks, back-end technologies, software architectures, human-computer interaction, version control, application deployment, and project management. Students will develop multiple software applications, including a course project. Prerequisite: grade of C or higher in CS 131. CS 141 is highly recommended.

CS 321 Numerical Analysis

3 credit hours

An introduction to the basic algorithms of numerical analysis. Topics include floating point arithmetic, interpolation and approximation, numerical integration, systems of linear equations, solution of non-linear equations, and solution of ordinary differential equations. Assignments using Mathematica will give experience in applying selected algorithms. Prerequisites: grade of C or higher in 141. Math 384 is strongly recommended. Same as MATH 321.

CS 322 Data Science

3 credit hours

An introduction to data science theory and applications. Topics include data description, preprocessing, clustering, pattern matching, machine learning, classification, regression, and neural networks. Students will develop practical skills in analyzing datasets and implementing data science algorithms. Prerequisite: CS 131. Prior coursework in probability and statistics is highly recommended.

CS 323 Machine Learning

3 credit hours

An overview of machine learning theory and applications. Topics include Bayesian classifiers, decision trees, random forests, gradient descent, reinforcement learning, and neural networks. Applications may include natural language processing, computer vision, and game development. Prerequisites: CS 322 and MATH 186.

CS 324 Computer Graphics

3 credit hours

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

CS 331 Software Engineering (3)

3 credit hours

An introduction to software engineering focusing on the development of large software systems. Topics include requirements analysis and specifications, design, implementation, testing, and maintenance. Software development tasks emulate “real-world” experiences in applying software engineering concepts. Prerequisite: grade of C or higher in CS 141.

CS 334 Organization of Programming Languages

3 credit hours

An applied course in programming language constructs emphasizing the run-time behavior of computer programs. The course provides an introduction to formal and theoretical aspects of programming languages and will include a comparison of many current languages. Prerequisite grade of C or higher in CS 141. CS 231 is highly recommended.

CS 341 Computer Networks

3 credit hours

A multi-layered view of a computer network is investigated with particular attention given to Ethernet-based networks and the TCP/IP protocol stack. Topics include physical vs. logical design of a network, physical media, signal transmission methods,

switching, routing, error handling, network applications and the protocols utilized at each layer. Students write peer-to-peer and client/server programs that communicate over a network. Each student independently investigates a networking topic of their choice, prepares a paper on their findings and presents the information to the class. Prerequisites: CS 211 or CS 241. CS 360 is recommended.

CS 344 Data Structures and Algorithm Analysis

3 credit hours

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

CS 348 Discrete Structures

3 credit hours

An applied course in discrete mathematical structures emphasizing their application to computer science. The course will relate mathematical concepts such as trees, graphs, combinatorics, relations and groups to computer science problems and applications. Computer science topics integrated into the course include data structures, algorithm design and algorithmic analysis and testing. Prerequisite: A grade of C or higher in MATH 252. CS 131 is recommended.

CS 351 Database Design and Management

3 credit hours

Principles for the design and management of database systems including data and storage models; relational, hierarchical, and network models and associated access operations, relational algebra and calculus; inquiry languages; normalization; logical and physical database design; distributed systems; and concurrency, integrity, and security issues. Emphasis on database planning and implementation through applications using a database system. Prerequisite: grade of C or higher in CS 141.

CS 360 Operating Systems and Computer Architecture

3 credit hours

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

CS 39x Seminar in Computer Science

3 credit hours

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

CS 391 Computer Science Senior Project

3 credit hours

The Senior Project in Computer Science is intended to provide students with an opportunity to extend and advance the computer science experience and knowledge received in other coursework and to provide students with a “real-world” experience. The student will work independently in consultation with a faculty mentor for one semester and will be responsible for the work and progress that he/she accomplishes in completing a functional and creative “real-world” application. Students will be expected to conduct research appropriate and applicable to their project. Prerequisite: must have completed at least 21 hours of CS courses.

CS 399 Computer Science Internship

3 credit hours

Students gain experience in a computer science-related field while working in an internship position under the direct supervision of a computer professional. Students should consult with the computer science faculty and the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process. This course may be used to satisfy the 120 hours necessary for graduation. Prerequisites: 18 hours of computer science, junior standing and permission of the computer science faculty.

CRIMINAL JUSTICE

CJ 101 Introduction to Criminal Justice

3 credit hours

This is an introductory class to the study of criminal justice. Students will be introduced to the history of the American Criminal Justice system and its primary components: law enforcement, courts, corrections, police work, types of crime and responses to crime.

CJ 200 Introduction to Law Enforcement

3 credit hours

Introductory course on the role of police in American society and the functions of law enforcement professionals. This course will cover topics within the field of criminal justice from a law enforcement perspective. Prerequisite: CJ 101.

CJ 210 The Juvenile Justice System and Juvenile Delinquency

3 credit hours

A survey of the juvenile justice system in the United States including its history and origin, theories of delinquency and intervention, legal rights, processing, classification, dispositional alternatives, and sanctions. Prerequisite: CJ 101.

CJ 220 Criminal Law

3 credit hours

A survey of criminal law including its history and the study of specific crimes against the person, social crimes, crimes against the State and constitutional protections before and after arrest, at trial and post-conviction. Prerequisite: CJ 101.

CJ 225 Probation, Parole and Community Corrections

3 credit hours

A study of probation, parole, diversion, pre-trial and intermediate sanctions. This course will engage in a critical analysis of the statues and policies relating to the administration of community-based correction programs and will highlight current issues and trends in community-based corrections in the United States. Prerequisite: CJ 101.

CJ 260 Criminology

3 credit hours

This course examines the theories, causes and different responses to crime. It examines crime in the U.S. and other countries from juvenile to adult crime and differences between males and females in addition to what is even considered crime. Same as SOC 260.

CJ 300 Criminal Investigations

3 credit hours

This course introduces criminal investigation procedures. Investigative processes related to law enforcement will be reviewed, including the limits on such investigations. Prerequisite: CJ 101.

CJ 310 Corrections

3 credit hours

A survey of correctional history, theory and policy as well as parole and prisoner reentry, correctional clients, including the juvenile correctional system, prison life and an overview of current issues in the correctional system. Prerequisite: CJ 101.

CJ 325 Special Topics in Criminal Justice

3 credit hours

This class is designed to offer variable topics in the field of criminology or criminal justice. Topics will go in depth on a particular topic to expand knowledge and skill in this specific area. Further description will be given for individual topics. This class may be repeated with different topics. Same as SOC 325.

CJ 341 Drugs and the Criminal Justice System

3 credit hours

A study of substance abuse and crime including the history and classification of drug abuse, the impact of licit and illicit drugs on crime and the correctional system and the study of criminal justice strategies to manage the problem of drug abuse in society. Prerequisite: CJ 101.

CJ 350 Overview of the American Legal System

3 credit hours

This course will provide students with a basic knowledge of criminal and civil laws and judicial procedures in the United States of America. Discussion of federal, state, and local laws will be covered. Prerequisite: CJ 101.

CJ 400 Ethics in Criminal Justice

3 credit hours

This course will examine the moral codes and ethical decisions involved when working within the criminal justice system. Prerequisites: CJ 101, upper-level standing.

CJ 420 Criminal Evidence, Procedure, Courts

3 credit hours

A study of search and seizure, interrogations, confessions, and identification procedures; the beginnings of judicial proceedings; and, trial, conviction, appeals and habeas corpus proceedings. Prerequisite: CJ 101. Upper level standing Junior or Senior

CJ 481 Criminal Justice Internship

3 credit hours

The Criminal Justice Internship is a planned and supervised educational experience which integrates the knowledge and theory of criminal justice gained through course work with field experience. Students observe professionals in the field and participate as determined between the supervisor of that agency and the student. Students must provide the course instructor with their internship supervisor contact information and work with the office of career services to obtain the undergraduate internship/practicum packet and complete the required process. Prerequisite: upper-level standing and instructor approval. P/F.

ECONOMICS

ECON 101 Principles of Macroeconomics

3 credit hours

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

ECON 102 Principles of Microeconomics

3 credit hours

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

EDUCATION

EDUC 201 Introduction to Education

3 credit hours

Foundational concepts of the modern educational system. Emphasis on sociological, historical, and philosophical concepts of American education with time to explore curriculum, pedagogy, technology skills, professional learning, and ethical practice within the field of education. Field experience required.

EDUC 202 Introduction to Agricultural Education and Experiential Learning

3 credit hours

Agricultural education history and practices. Leadership concepts, styles, and theories. Theory of experiential teaching

and learning in middle school and secondary agricultural education programs – especially as it applies to leadership and career education. Development of Supervised Agricultural Experiences (SAEs), FFA, and alumni activities that are informed by the needs of the students, school, and community. Use of the electronic Nebraska agricultural education financial management system to keep records of their coursework, work-based learning experiences, community service, financial records, committee work, and other records related to their career growth and development. Field experience required. Prerequisite: EDUC 201.

EDUC 211 Middle Level Philosophy, Theory and Practice

2 credit hours

Middle Level philosophy, theory and practice, including: history of the middle school; organizational patterns in middle schools; advisory programs; vision and mission in middle schools; effective middle school environments; building effective relationships among parents, schools and communities; and appropriate curriculum, instructional strategies, and assessment in middle grades. Prerequisite: Sophomore standing. Field Experience required.

EDUC 212 Developmental Assessment of Children Ages Birth through 5

2 credit hours

Reviews principles of development for children ages birth through 5. Applies appropriate measures of observing and recording across multiple areas of development for assessment. Practical tips, instructions, and step-by-step guidelines for gathering information and building a child's portfolio. Candidates are required to use authentic assessments while observing children's development. Field experience requirement contributes to the partial fulfillment of 45 clock-hours working with prekindergarten children. Prerequisite: Admission to Education Program.

EDUC 224 Teaching Exceptional Learners

3 credit hours

Understanding and appreciation of learners with exceptional needs, knowledge of characteristics of those with disabilities, including dyslexia, and the gifted, providing inclusive learning environments. Emphasis on proven strategies and a variety of methods and resources to meet needs of learners who require special services, adaptations, or different approaches to learning. Disposition development focuses on strengths and needs of learners, the belief that all can achieve. Field experience required. Prerequisite: Sophomore standing. Education majors: EDPS 210. Psychology majors: PSY 101.

EDUC 225 Diverse Classrooms and Human Relations

3 credit hours

Meets Human Relations requirements. Development of cultural awareness and investigation of attitudes, skills, and techniques needed to ensure inclusive learning environments for diverse students. Learning differences, language acquisition, English language learners, leadership, and collaboration with learners, families, and colleagues. Field Experience required. Prerequisite: EDUC 201 or MUED 201.

EDUC 238 Field Experience by Arrangement

1-6 credit hours

Students in Education program may enroll this course to fulfill program field experience requirements. By arrangement only.

EDUC 302 Agricultural Education Program and Curriculum Design

3 credit hours

Using the styles and needs of learners to inform the way in which the learning process is implemented with them. Planning for the delivery, marketing, and management of all aspects of an agricultural education program including the development of needs assessments, unit plans, four-year program of study plans, work-based learning programs, and FFA chapters. Prerequisite: EDUC 202. Must be at least a junior standing and have admission to the Education Program.

EDUC 304 Fine Arts Across the Curriculum in Early Childhood and Elementary Classrooms

3 credit hours

Integration of music, art, and drama across the early childhood and elementary curriculum. Emphasis on understanding the fundamentals of each discipline and applying them to enhance learning in all subject areas. Learner development and differences, learning environment, planning, and instructional strategies for the early childhood and elementary classroom.

EDUC 314 Assessment, Evaluation and IEP

3 credit hours

Provides teachers knowledge of how to select, administer, score and interpret a standardized/norm-referenced assessment for exceptional learners. Utilizing formative and summative assessments in the development of an Individualized Education Program (IEP), to support, verify and document learning. Accommodation in assessment and testing conditions, and ethical practice in administering and scoring assessments. Analyzing data and utilizing appropriate technology to understand gaps in learning and guide planning. Prerequisite: EDUC 224 and Admission to Education Program.

EDUC 315 Behavior Disorders and Intervention

3 credit hours

Behavioral and emotional disorders commonly found in special and general education classrooms. Principles of effective and safe inclusive learning environments, understanding of individual development and differences, special curricula to individualize learning, applied behavioral analysis, safe intervention strategies for individuals in crisis, functional assessment, and collaboration with families, learners, other educators, related service providers and other agencies. Field experience required. Prerequisite: EDUC 224 and Admission to Education Program.

EDUC 316 Teaching Students with Moderate Disabilities

3 credit hours

Develops disposition of respect for all learners as individuals with high potential. Understanding of unique strengths and needs of learners with autism, intellectual disability and other moderate disabilities. Knowledge gained in assessment, instructional design, strategies, resources and adaptations useful in response to learner needs. Collaboration with learners, families, and other professionals to develop meaningful programs. Field experience required. Prerequisite: EDUC 224 and Admission to Education Program.

EDUC 317 Teaching Students with Mild Disabilities

3 credit hours

Characteristics of students with exceptional needs including mild disabilities such as specific learning disabilities and knowledge of assessment, referral and planning processes. Instructional design built on learners' prior knowledge to reach full potentials. Disposition of respect for learners, understanding of strengths and needs to guide teacher planning for appropriate strategies, accommodations, resources and materials. Field experience required. Prerequisite: EDUC 224 and Admission to Education Program.

EDUC 318A Special Education Instructional Methods

3 credit hours

Appropriate strategies and resources to adapt instruction to the needs of exceptional learners. Continuous monitoring of student learning and assessment of progress allows for adjustment of instruction to meet the needs of learners. Teacher disposition is committed to greater understanding of student strengths and needs when planning instruction. Designed to integrate coursework with fieldwork giving teachers the opportunity to practice and demonstrate skills and abilities in the school setting. Field experience required. Prerequisite: EDUC 224 and Admission to Education Program.

EDUC 318B Special Education Instructional Methods (for Special Education Majors)

1 credit hour

Support course taken concurrently with EDUC 318A. Open to Special Education majors only.

EDUC 323 Linguistics for Educators

3 credit hours

Develops understanding of theories of second language acquisition and understanding of language as a system (including phonetics, phonology, morphology, syntax, pragmatics, and semantics). Develops knowledge of how to apply that understanding of linguistics and language acquisition in order to support English Language Learner language and literacy development for academic success in the content areas.

EDUC 324E Instruction and Assessment in the Elementary and Middle Level Classroom

3 credit hours

Curriculum, instruction, and assessment practices for the elementary and middle level classroom. Focus on planning for instruction, appropriate instructional strategies, multiple methods of assessment, adjusting instruction and assessment for diverse learners, formative and summative assessment data, and assessment for learning. Prerequisite: Admission to Education Program.

EDUC 324S Instruction and Assessment for Middle Level/ Secondary Classrooms

3 credit hours

Curriculum, instruction, and assessment practices. Focus on planning for instruction, appropriate instructional strategies, multiple methods of assessment, adjusting instruction and assessment for diverse learners, formative and summative assessment data, and assessment for learning. Prerequisite: Admission to Education Program.

EDUC 326 Language and Culture

3 credit hours

Investigates the impact of culture and cultural identity of groups and individuals on English Language Learner language development and academic achievement. Explores the history of education policy issues and ESL developments and their impact on ESL teaching. Develops instructor cultural competence and the ability to help ELLs develop their own cultural competence in their home culture and American culture. Discusses strategies to work collaboratively with school staff and community to improve the learning environment, provide support, and advocate for ELLs and their families.

EDUC 330 Early Childhood Education Foundations and Programs

3 credit hours

A fast-paced breadth and depth study of early childhood, (birth-age 8) education, including history, philosophy, careers, leaders, curriculum, current trends and models, print, and technological resources.

EDUC 331 Infants and Toddlers: Development, Curriculum and Teaching

2-3 credit hours

Standards, curriculum, instruction, and assessment appropriate to infant and toddler development. Quality routines, appropriate environments, materials and activities, and teaching/guidance techniques will be explored. Field experience requirement contributes to the fulfillment of 45 clock-hours working with prekindergarten children. Prerequisite: Admission to Education Program.

EDUC 332 Early Childhood Curriculum and Methods

3 credits hours

Standards, curriculum, instruction, and assessment appropriate for inclusive pre-primary classroom. Specific focus on Project Approach for supporting the growth of children in environments that meet the diverse needs of children from age three through five. Field experience requirement contributes to the fulfillment of 45 clock-hours working with prekindergarten children. Prerequisite: Admission to Education Program.

EDUC 333 Science, Social Studies & Math Methods for K-3rd

3 credit hours

Designed to prepare the teacher of children ages six through eight. Emphasis will be given to the selection and implementation of developmentally appropriate content, materials, techniques, and assessment to support the development of science, math, and social studies. The field study requirement for this course contributes to the partial fulfillment of 100 clock-hours of field experience. Prerequisite: Admission to Education Program.

EDUC 346E Instructional Technology

2 credit hours

Technology-enhanced curriculum, instruction, and assessment practices for the for the elementary and middle level classroom. Focus on the development of candidate technological, pedagogical, content knowledge (TPACK) to design student-centered, technology-enhanced lesson plans to promote deep, active learning and the development of 21st century skills for students. Prerequisite: EDPS 210

EDUC 346S Instructional Technology

2 credit hours

Technology-enhanced curriculum, instruction, and assessment practices for the middle level and high school classroom. Focus on the development of candidate technological, pedagogical, content knowledge (TPACK) to design student-centered, technology-enhanced lesson plans to promote deep, active learning and the development of 21st century skills for students. Prerequisite: EDPS 210

EDUC 349 Career Education and Supervision

3 credit hours

Requirements and experiences for coordination and supervision of work-based learning. Field experience required. Prerequisite: Admission to Education Program.

EDUC 351 Service in Public Schools

2 credit hours

Concepts and issues related to the ministry of teaching in a public setting. Knowledge, insights, and guidance related to vocation, ethics, legal issues, church and state distinctions, modeling Law and Gospel in public settings, and the structure of the public school environment. Prerequisite: Admission to Education Program.

EDUC 359 Health and PE Methods for the Elementary Classroom

2 credit hours

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 implement a health and physical education curriculum

EDUC 362 Teaching the Christian Faith

2 credit hours

Lutheran religion standards, curriculum, instruction, assessment, and resources (Bible, catechism, and Lutheran Confessions) for teaching the Christian faith in school and congregation settings. Emphasis on faith development, learner differences, learning environment, content and application, assessment, planning, instructional strategies, professionalism, collaboration, and integrating faith in content areas.

EDUC 364 Middle Level Core Subject Methods

3 credit hours

Methods, materials, curriculum, curriculum development, and instructional strategies in the middle level classroom; emphasis on preparation of middle grades teachers for teaching math, science and social sciences in a middle grades classroom, both departmentalized and self-contained. Prerequisite: Admission to Education Program and EDUC 211.

EDUC 366 Health Methods

2 credit hours

A study of instructional methods, materials, strategies, and evaluation of health education programs in the school. Prerequisite: EDUC 324E or EDUC 324S and Admission to Education Program

EDUC 367 Methods in Secondary World Languages

3 credit hours

Secondary language learning standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Field Experience required. Prerequisite: Admission to Education Program and upper-level standing.

EDUC 369 Methods in Secondary Business Education

3 credit hours

Secondary business standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Field Experience required.

Prerequisite: Admission to Education Program and upper-level standing.

EDUC 370 Methods in Secondary Agricultural Education

3 credit hours

Secondary agricultural education content standards, curriculum, instructional delivery, and assessment. Organizing and planning instructional content, lesson planning, methods of formal instructional delivery, student behavior management, and assessments to support all students and meet rigorous learning goals. Using cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration.

Considerable time is spent on undergraduates demonstrating instructional delivery. Prerequisite: EDUC 302, EDUC 324S and Admission to Education Program.

EDUC **371 Methods in Middle Level/Secondary English and Content area Literacy**

3 credit hours

Middle level language arts/Secondary English language arts standards, curriculum, instruction, and assessment for diverse classrooms. English language arts content for the course includes reading, writing, listening, speaking, drama, and grammar. Methodology includes evidence-based reading practices: vocabulary, comprehension, and disciplinary literacy. Related topics include the following: planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Includes dyslexia and science of reading. Field Experience required. Prerequisite: Admission to Education Program and upper-level standing.

EDUC 372 Methods in Middle Level/Secondary Social Studies

3 credit hours

Middle level/Secondary social studies standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross- disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Includes Science of Reading literacy modules Field Experience required. Prerequisite: Admission to Education Program and upper-level standing.

EDUC 373 Methods in Middle Level/Secondary Science

3 credit hours

Middle level/Secondary science standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross- disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Field Experience required. Prerequisite: Admission to Education Program and upper-level standing.

EDUC 374 Methods in Middle level/Secondary Mathematics

3 credit hours

Middle level/Secondary math standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Field Experience required. Prerequisite: Admission to Education Program and upper-level standing.

EDUC 376 PE Methods and Curriculum Design

3 credit hours

Physical education standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Field Experience required. Prerequisite: Admission to Education Program and upper-level standing. Same as HHP 376.

EDUC 377 Secondary Methods in Art Education

3 credit hours

Secondary visual arts standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Field Experience required. Prerequisite: Admission to Education Program and upper-level standing.

EDUC 397 Children's Literature for Teachers

3 credit hours

Literature for children from early childhood through the elementary grades. Various formats and genres; common trends and techniques used by authors and illustrators; current issues in the field. Methodology and strategies for integrating children's literature across the curriculum. Prerequisite: ENG 201 and sophomore standing or permission of instructor.

EDUC 398 ESL Practicum

3 credit hours

Students teach and/or tutor ESL students under the supervision of a university supervisor in settings that require application of skills and principles developed in the ESL curriculum.

EDUC 402 Agricultural Education Laboratory Instruction, Methods, and Management

3 credit hours

Secondary agricultural education laboratory instructional delivery and assessment. Organizing and planning instructional content, lesson planning, methods of laboratory instructional delivery, student behavior management, and assessments to support all students and meet rigorous learning goals in shop, science, food science, animal, and greenhouse laboratories. Using cross-disciplinary skills, technological tools, discipline-specific equipment, and safety. Considerable time is spent on undergraduates demonstrating instructional delivery. Prerequisite: EDUC 302, EDUC 370, EDUC 324S and Admission to Education Program.

EDUC 403 Evidence-Based Strategies and Interventions

3 credit hours

Evidence-based strategies and interventions to address learner differences in the areas of academic and behavioral challenges. Emphasis on pre-referral interventions, planning for instruction, instructional strategies, leadership and collaboration. Includes dyslexia. Prerequisite: EDUC 324E, Admission to Education Program.

EDUC 405 Math Methods for the Elementary and Middle Level Classroom

3 credit hours

Elementary mathematics standards, curriculum, instruction, and assessment for diverse classrooms. Emphasis on learner

development and differences, learning environment, content knowledge and application, assessment, planning, instructional strategies, professionalism and collaboration. Prerequisite: Educ 324E and Admission to Education Program. Corequisite: Educ 431E.

EDUC 406 Science Methods for the Elementary and Middle level Classroom

2 credit hours

Elementary science standards, curriculum, instruction, and assessment for diverse classrooms including, but not limited to, the topics of physical science, life science, and earth/space science. Emphasis on learner development and differences, learning environment, content knowledge and application, assessment, planning, instructional strategies, professionalism and collaboration. Prerequisite: Admission to Education Program. Corequisite: EDUC 408

EDUC 408 Social Studies Methods for the Elementary and Middle Level Classroom

2 credit hours

Elementary social studies standards, curriculum, instruction, and assessment for diverse classrooms. Emphasis on learner development and differences, learning environment, content knowledge and application, assessment, planning, instructional strategies, professionalism and collaboration. Prerequisite: Admission to Education Program. Corequisite: EDUC 406

EDUC 420 Second Language Acquisition and Teaching Methods

3 credit hours

Second language learning processes and development, standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Examination of teaching models involving conversation, reading, and writing of a modern language. Field Experience required. Prerequisite for Education majors only: EDUC 324E or EDUC 324S and Admission to Education Program. Prerequisite for those in programs other than Education: EDUC 225.

EDUC 425 English as a Second Language Instruction, Curriculum, and Assessment

3 credit hours

This course builds on EDUC 225 by continuing an exploration of principles in ESL instruction, curriculum, and assessment. Special focus in this course is given to techniques and issues in teaching listening, speaking, reading, and writing. The student will also be introduced to aspects of the English grammatical system that are a special challenge for ESL students and discuss ways of incorporating instruction in English grammar into instruction in the other skill areas. In the 18-hour required practicum, students will gain experience in teaching and assessing ESL students and developing specific interventions for them. Prerequisite: EDUC 225 or EDUC 425A. (For students in programs prior to 2017-18.)

EDUC 430 Families, Schools and Communities

1 credit hour

Emphasizes the role of families and communities in the young child's early care and education, especially the early childhood 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. Prerequisite: Admission to Education Program.

EDUC 431E Classroom Organization and Leadership for Elementary and Middle Level Environments

2 credit hours

Multidimensional role of teaching and leadership in elementary and middle level settings. Collaboration with multiple stakeholders, creating positive learning environments, instructional strategies, positive behavior responses, leadership, professionalism and ethics for diverse classrooms. Field experience required. Prerequisite: EDUC 324E and Admission to Education Program. Corequisite: EDUC 405

EDUC 431S Classroom Organization and Leadership for Middle Level/Secondary Classrooms

2 credit hours

Multidimensional role of teaching and leadership in contemporary schools. Focus on collaboration, leadership, learning environments, instructional strategies including evidence-based reading practices, positive behavior response, professionalism and ethics for diverse classrooms, and educational research skills. Field experience required. Prerequisite: EDUC 324S and Admission to Education Program. Course to be taken concurrently with EDUC 438.

EDUC 433 Early Childhood & elementary Student Teaching Seminar

1 credit hour

Support course for student teachers during the first eight weeks of the Professional Semester: Clinical Experience. Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits.

EDUC 435 PK-12, Middle level & Secondary Student Teaching Seminar

1 credit hour

Support course for student teachers during the first eight weeks of the Professional Semester: Clinical Experience. Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits.

EDUC 438 Evidence Based Literacy Strategies for the Middle-Level/Secondary Classroom

1 credit hour

Current theory, research, content, methodology, instructional materials, and classroom organization that relate to enhancing literacy skills and content area mastery of adolescents in middle-level and secondary content area classrooms, including diverse students. Meets Nebraska standards for teacher candidate instruction in evidence-based literacy practices. Fieldwork

required. Prerequisites: upper-level standing, admission to Teacher Education Program. Course taken concurrently with EDUC 431S

EDUC 452 Early Childhood Program Organization and Management

3 credit hours

The early childhood director's role in ethical organization, planning, managing, and evaluating of preschool and childcare programs. Exploration of community resources for young children and their families. Prerequisite: Admission to Education Program

EDUC 461 Literacy Instruction, Assessment and Intervention

6 credit hours

Current theory, research, content, methodology, instructional materials, and classroom organization that relate to teaching the major components of literacy (reading, writing, speaking, listening) in diverse classrooms. Informal and formal assessment of reader strengths and needs for instruction and intervention. Emphasis on learner development and differences, learning environment, content knowledge and application, planning, instructional strategies, planning interventions, professionalism and collaboration. Includes dyslexia. Field Experience required. Prerequisites: upper-level standing, admission to Teacher Education Program.

EDUC 471A Clinical Experience: Early Childhood/ Elementary Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand EC/Elem classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 471B Clinical Experience: Early Childhood/ Elementary Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand EC/Elem classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A-K). Prerequisite: Successful completion of Student Teaching A.

EDUC 472A Clinical Experience: Early Childhood Inclusive Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand early childhood inclusive classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A-K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 472B Clinical Experience: Early Childhood Inclusive Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand early childhood inclusive classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A-K). Prerequisite: Successful completion of Student Teaching A.

EDUC 473A Clinical Experience: Elementary Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand elementary classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 473B Clinical Experience: Elementary Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand elementary classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A-K). Prerequisite: Successful completion of Student Teaching A.

EDUC 474A Clinical Experience: Middle Level Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand middle level classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 474B Clinical Experience: Middle Level Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand middle level classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Successful completion of Student Teaching A.

EDUC 475A Clinical Experience: Secondary Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand secondary classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 475B Clinical Experience: Secondary Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand secondary classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Successful completion of Student Teaching A.

EDUC 476A Clinical Experience: PK-12 Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand K-12 classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 476B Clinical Experience: PK-12 Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand K-12 classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Successful completion of Student Teaching A.

EDUC 477A Clinical Experience: Special Education Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand special education classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 477B Clinical Experience: Special Education Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand special education classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Successful completion of Student Teaching A.

EDUC 478 Clinical Experience: ESL Student Teaching

3 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand ESL classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits. Fees required.

EDUC 479 Clinical Experience: Elementary Special Education Student Teaching

6 credit hours

Eight weeks of teaching under the supervision of classroom teacher and university supervisor. First-hand special education classroom experiences. Upon completion, candidates will be able to demonstrate proficiency in: learner development and learning differences; learning environments; content knowledge and application; instructional strategies and assessment; professional learning and ethical practice; leadership and collaboration; and human relations skills. Meets the university capstone and writing intensive requirement. Meets the following program outcomes: INTASC Standards (1-10), Nebraska Department of Education Standards (Rule 20.005A- K). Prerequisite: Completion of all requirements for full Education Program Admission, and Student Teaching Permits.

EDUC 490 ESL Capstone Experience

3 credit hours

Self-directed study which involves an approved program of research and experience with special issues related to ESL students. This capstone project requires the submission of an activity log, journal, and reflection paper, as well as an oral presentation to highlight what has been learned.

EDUCATIONAL PSYCHOLOGY

EDPS 210 Educational Psychology and Child Development

3 credit hours

A study of the psychological foundations of education with child development. Emphasis on developmental psychology and psychological foundations of relevant topics including, but not limited to, learning theories, the science of reading, individual variation and student diversity, planning, motivation, class management and assessment. Teaching as a form of ministry, psychology as a science, the use of research in education and the development of skills required to become a reflective practitioner. Field experience required. Prerequisite: Education majors must take EDUC 201, and Music Education majors must take MUED 201 prior to EDPS 210.

ENGLISH

ENG 101 Foundations in Writing

3 credit hours

This course focuses on helping students develop foundational approaches and processes for writing. Students will learn basic techniques for generating ideas; giving and receiving feedback; adapting rhetorical strategies for audience and context; revising; and editing. Special attention will be given to discussing the origins and application of English language conventions and developing effective revising and editing techniques. This course is required as a prerequisite for ENG 102 for students who score below 18 on the English portion of the ACT or below 435 on the verbal portion of the SAT. In the absence of test scores, students who have below a 2.5 GPA in high school English will be required to complete Eng 101.

ENG 102 Experiences in Writing

3 credit hours

This course focuses on helping students develop effective processes for writing in multiple genres, including research-based academic projects and creative works. Students will learn techniques for generating ideas as they create their own writing and related projects, giving and receiving feedback to other creators, finding, evaluating, and integrating sources, adapting rhetorical strategies for audience and context, revising and

editing. Students will have multiple opportunities to use the lens of writing to better explore the enduring question: "How has God designed humankind to be creators in service to God and neighbor?" Prerequisite: Eng 101 for students who score below 18 on the English portion of the ACT, below 290 on SAT Evidence Based Reading and Writing or below 435 verbal on the pre-2016 SAT. In the absence of test scores, students who have below a 2.5 GPA in high school English will be required to complete Eng 101.

ENG 201 Introduction to Literature

3 credit hours

A general survey in the reading, interpretation, evaluation, and criticism of literature in various genres. The material in the course deals with the human condition as expressed through literature: its frailties, shortcomings, and blessings. It considers issues in literature that are significant to individuals and society and which provoke thoughtful reflection on how God designed humankind to be creators in service to God and neighbor.

ENG 221 Intermediate Writing

3 credit hours

A course designed to allow students to experiment with three types of writing: fiction, creative nonfiction, and poetry. Includes study and application of research related to peer writing groups and the process of writing. Prerequisite: ENG 102 and sophomore standing.

ENG 229 Writing for the Stage

3 credit hours

This course is designed to provide 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.

ENG 231 Studies in the English Language

3 credit hours

Studies in the acquisition, development, variation and science of the English language. Prerequisite: ENG 102.

ENG 300 Placement Seminar

1 credit hour

The course includes resume and portfolio creation, attendance at professional placement seminars, mock interviews, meetings with field professionals and internship applications and searches. Prerequisite: upper-level standing. Cross-listed as CTA 300 Placement Seminar.

ENG 324 The Writing of Place

3 credit hours

A course designed to give students the opportunity to explore the notion of "place" through writing and its connections to history, geography and literature. Students will participate in first-hand study of local areas, as well as visit sites related to literature and writing of the region. The course will focus on the effects of landscape, history and memory on writers and citizens. Students' writing and photography will be a primary means of response to the course material and experience. Prerequisites: ENG 102, 201.

ENG 326 Poetry Writing

3 credit hours

A course designed to give students the opportunity to write poetry and to read poetry from a writer's perspective. Emphasis on contemporary poetry and poets as well as student writing, discussion of theories and application of the writing process, and the workshop approach. Prerequisite: ENG 221.

ENG 327 Fiction Writing

3 credit hours

A course designed to give students experience with the short story. Emphasizes the workshop approach, peer and instructor–student conferences. Students will read contemporary fiction from a writer's perspective, examining the elements of fiction for application in their own writing. Prerequisite: ENG 221.

ENG 328 Creative Nonfiction Writing

3 credit hours

A course designed to allow students to explore creative non-fiction, its history, and criticism of the genre. Emphasis on workshop and student writing, reading for application, and peer and student-instructor conferences. Prerequisite: ENG 221.

ENG 341 American Literature I

3 credit hours

A survey of significant American writers from the colonial period through the 1850s with an emphasis on the interaction of literature, history and philosophy. Prerequisite: ENG 201.

ENG 342 American Literature II

3 credit hours

A survey of significant American writers from the 1840s through 1910 with an emphasis on the interaction of literature, history and philosophy. Prerequisite: ENG 201.

ENG 343 American Literature III

3 credit hours

A survey of significant American writers from 1910 to the present with an emphasis on the interaction of literature and culture. Prerequisite: ENG 201.

ENG 361 London Literary Tour

3 credit hours

This annual study tour opportunity occurs between December 26 and the start of the second semester. The itinerary includes London and additional selected cities in the United Kingdom and mainland Europe. Itinerary varies from year to year. Sites include the major literary, historical, and cultural areas of the selected cities. Students complete readings, a paper and project upon the return from the trip. Credit can also be substituted for a variety of other required courses in the humanities, social sciences and other areas.

ENG 362 British Literature I

3 credit hours

A survey of British literature from its Anglo–Saxon beginnings through the medieval and early modern eras. Prerequisite: ENG 201.

ENG 363 British Literature II

3 credit hours

A survey of British literature from the Restoration and 18th century through the Romantic and Victorian eras. Prerequisite: ENG 201.

ENG 364 British Literature III

3 credit hours

A survey of British literature from 1900 to the present. Prerequisite: ENG 201.

ENG 366 Shakespeare

3 credit hours

A study of representative history plays, comedies, tragedies, and at least one problem play. Prerequisite: ENG 201.

ENG 381 World Literature I

3 credit hours

A survey of significant premodern literature through the 1500s, including ancient, classical Greek and Roman, medieval, and Renaissance writings. The course identifies important themes, major formal developments, and cultural contexts of the literature within these periods.: ENG 201.

ENG 382 World Literature II

3 credit hours

A survey of significant literature primarily from the early 1600s into the mid-1800s, including the Enlightenment and Renaissance eras. The course identifies major themes addressed by representative writers of the European tradition, as well as additional world cultures. Several genres are explored. Prerequisite: ENG 201.

ENG 383 Modern Poetry

3 credit hours

Study of twentieth century poetry. While the emphasis is on American and British poets, some opportunity exists for examination of poetry from other cultures. Techniques and philosophy of twentieth century poetry. Prerequisite: ENG 201.

ENG 384 World Literature III

3 credit hours

A survey of significant literature from a variety of world cultures from the late 1800s into the early 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 Mythmaking and the Modern Novel

3 credit hours

An exploration of literary responses to the modern condition through the use of myth and mythic writing within 20th- and 21st-century novels. This course pairs some of the most prominent Christian Humanist writers of the era, such as C. S. Lewis and J.R.R. Tolkien, with the global phenomenon of magical realist fiction, both Christian and secular. With attention to the psychological, sociological, and theological implications of fiction, this course considers how mythopoeic writings seek a more capacious understanding of reality in comparison with other realisms. Prerequisite: ENG 201

ENG 387 Modern and Postmodern Drama

3 credit hours

Study of drama from the twentieth century to the present. The course includes and expands beyond the familiar plays and playwrights, highlighting drama by women playwrights and by writers from different cultures and countries. Religious, social, and moral ideas expressed in these plays. Prerequisite: ENG 201.

ENG 391 Children's Literature

3 credit hours

An exploration of children's literature, focusing on the construct/idea of children's literature and how this relates to literary criticism, culture, and the business and history of publishing. Students will analyze their own reactions to this literature and employ advanced literary analysis and interpretation to these texts. This is an analytical course in children's literature rather than one that focuses on pedagogy. Prerequisite: ENG 201.

ENG 392 Reading Interests of Adolescents

3 credit hours

Reading and discussion of literature appropriate for adolescents. Emphasis on young adult literature. Insights into using literature in the classroom. Prerequisite: ENG 201 and upper-level standing.

ENG 399 Independent Study

1-3 credit hours

Hours and topics by arrangement. Prerequisite: ENG 201.

ENG 431 English Language and Linguistics

3 credit hours [Spring]

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.

ENG 498 Honors Course

1-3 credit hour

Arranged for qualified seniors.

ENG 499 Internship

1-3 credit hours

Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

ENGLISH, COMMUNICATION, THEATRE ARTS

ECTA 150 Basic Special Topics in English, Communication and Theatre [Topic by Announcement]

1-3 credit hours

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre. Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours.

ECTA 160 Studies in Cinema

3 credit hours

This course is designed to enhance students' appreciation and knowledge of film as an art form. It examines the expressive strategies used in the creation of art as moving image: image construction and manipulation, editing, composition, sound, story, and performance. This course will ask students to examine more closely qualities of individual films and overarching genres to better explore, understand, and critique them as works of cinematic art. Students will have opportunities to explore how a given film connects them more closely to issues related to their faith life, their neighbors in surrounding communities and the world, and their Creator.

ECTA 250 Intermediate Special Topics in English, Communication and Theatre

1-3 credit hours

[Topic by Announcement]

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre. Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours. Prerequisite: ENG 102 and one additional course in CTA or English.

ECTA 350 Special Topics in English, Communication and Theatre [Topic by Announcement]

2-3 credit hours

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre. Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours. Prerequisite: ENG 102 and one additional course in CTA or English.

ECTA 450 Special Topics in English, Communication and Theatre [Topic by Announcement]

2-3 credit hours

This course offers students the opportunity to take classes in special topic areas in writing, communication, and theatre. Courses are offered in rotation by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Students may take multiple topic areas as appropriate to fulfill elective hours. Prerequisite: ENG 102 and one additional course in CTA or English.

ECTA 499 Capstone: Special Topics in the Study of Language

3 credit hours

This course analyzes and evaluates the privileged space language holds in the related humanities disciplines of English, speech communication and theatre studies. Students will write, speak and perform individual projects in response to interdisciplinary and shared, cross-disciplinary readings that explore the foundations of literary study, rhetorical study and theatre. Required for all ECTA majors and should be taken in spring of senior year. Offered via independent study only. Contact your advisor to make arrangements.

ENVIRONMENTAL SCIENCE

ESCI 281 Physical Geography

4 credit hours

Lecture 3, Lab. 2. See GEOG 281.

ESCI 291 Geography of Sports and Outdoor Recreation

3 credit hours

See GEOG 291.

ESCI 315 Environmental Science

3 credit hours

See GEOG 315.

ESCI 320 Natural Resource Management and Conservation in the National Parks

3 credit hours

See GEOG 320.

ESCI 351 Environmental Law and Policy

3 credit hours [Fall, even calendar years]

This course examines the key environmental laws, policies, and regulatory agencies of the United States. These are examined to provide a historical context as well as a contemporary understanding of environmental decision making at the federal, state, and local level.

ESCI 361 Introduction to Geographic Information Systems

3 credit hours

Lecture 1, Lab 2. See GEOG 361.

ESCI 36_ Ecology and Natural History Study Tours

3 credit hours

See BIO 36_.

ESCI 377 Conservation Biology

3 credit hours

See BIO 377.

ESCI 385 Global Positioning Systems and Drone Technology

3 credit hours

See GEOG 385.

ESCI 461 Advanced Geographic Information Systems

3 credit hours

See GEOG 461.

ESCI 498 Environmental Science Internship

1-3 credit hours

Students gain experience in environmental science by working in an internship position under the supervision of a professional in the field. Prerequisites: minimum junior standing and permission from social science, natural science, or business faculty. Students should contact the Office of Career Services to obtain the undergraduate/practicum packet and review the required process.

FOUNDATIONS

FNDS 150 Foundations

3 credit hours

This course introduces students to Concordia's mission and helps equip students to succeed academically. It lays the foundation for the rest of Concordia University's "Living Stones" general education and uses the concepts of truth, love, and fidelity to help students explore their vocational callings and prepare them for lives of learning, service, and leadership in the church and world. This course may not be waived nor may courses from outside the university be transferred in its place.

GEOGRAPHY

GEOG 101 Introduction to Geography

3 credit hours

This course provides students with an introduction to how geography is applied and utilized for thinking spatially and answering geospatial questions. Students will utilize geospatial technology, remote sensing, DJI Drones, Google Maps, ArcGIS Online, and other web-based mapping programs to research, map, and explore demographics, religion, economic development, geopolitics, urbanization, health and disease, tourism, and conservation.

GEOG 142 Orienteering

0.5 credit hour

Half semester. Development of map and compass skills. Same as HHP 142.

GEOG 149 Wilderness Adventure Activities

0.5 credit hour

A summer school course. Activities may include mountain climbing, backpacking, hiking, mountain biking, rafting, and canoeing. Course fee. Same as HHP 149.

GEOG 202 World Regional Geography

3 credit hours

This course is designed to provide a broad overview of the major regions of the world with emphasis on the increasing interconnectedness of people and places due to the influence of globalization on world trade, travel, communication, culture, and the natural environment.

GEOG 281 Physical Geography*

4 credit hours

Students will explore the physical processes shaping the Earth's crust. Topics covered include plate tectonics, volcanism, earthquakes, glaciology, hydrology, erosion, soils, groundwater, dune formation, and coastal landforms. This course includes field trips, both local and one multi-day trip exploring and learning about the Nebraska Sandhills. Same as ESCI 281 and SCI 281. Course Fee

GEOG 282 Geology

3 credit hours

A survey of the structure, materials, and processes of Earth's crust and interior; identification of common rocks and minerals. Laboratory fee. Prerequisite: A course in both Chemistry and Physics at either the High School or College level. Same as SCI 282.

GEOG 291 Geography of Sports and Outdoor Recreation

3 credit hours

Sports and outdoor recreation are extremely important components of American life and are multi-billion dollar industries. Where and why these activities take place is very geographic; this course examines the spatial distribution of sports and outdoor recreation in the United States. Students will utilize GIS mapping software and other Internet-based mapping programs to examine the distribution of different types of sports and outdoor activities, conduct research on select topics, learn from guest speakers, and participate in fieldwork. Same as ESCI 291.

GEOG 311 Geography of North America

3 credit hours

A systematic analysis of major themes of North American geography with emphasis on problems such as energy and environment. Includes regional analyses of the United States and Canada that carefully examines their physical background and cultural trends. Prerequisite: GEOG 101 or 202, or permission of instructor.

GEOG 315 Environmental Science

3 credit hours

This course provides a broad introduction to the field of environmental science. Topics include global warming, energy issues, food and agriculture, biofuels, pollution, wildlife management and conservation, human population, and natural systems. Same as ESCI/SCI 315.

GEOG 320 Resource Management in the National Parks

3 credit hours

Course provides students with a practical, field-based experience with contemporary resource management and conservation issues in units of the National Park Service. Topics include historical development of individual parks and the entire NPS, visitor impacts, park planning, resource policy, exotic plant and animal species, wildlife management, in-park transportation concerns, public safety, and wilderness management. Students will visit and camp in selected national parks. Same as ESCI 320.

GEOG 331 Geography of Europe

3 credit hours

This course provides a detailed examination of the historic and contemporary geography of Europe. Special focus is placed upon contemporary issues relating to the formation and governance of the European Union, immigration, world trade, geopolitics, environmentalism, and foreign relations.

GEOG 341 Geography of Asia

3 credit hours

This course provides a contemporary examination of the geography of Eastern and Southern Asia. Through the use of current events, readings, and multi-media, students examine the rising influence of this region on world trade, commerce, globalization, foreign relations, geopolitics, and the natural environment.

GEOG 345 Geography and Archaeology of the Holy Land

3 credit hours

Provides an introduction to the archaeology of Syria–Palestine, the interaction between human occupation and geography, and the importance of archaeological research in understanding the Bible through detailed study of primary and secondary sources.

GEOG 361 Introduction to Geographic Information Systems

3 credit hours

Lec. 1, Lab 2. This course provides in introduction to Geographic Information Systems (GIS) technology through the use of ESRIs 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 381 Meteorology

3 credit hours

An introduction to atmospheric science, from atmospheric composition to weather patterns. Emphasis will be placed on recent advancements in meteorological research and technology that enhance forecasting accuracy. Prerequisite: A course in both Chemistry and Physics at either the High School or College level. Same as SCI 381.

GEOG 385: Drone Technology and the Global Positioning System

3 credit hours

Course provides hands-on use of DJI Drones, including the Mavic Air, Mavic Pro, Mavic Mini, and Phantom. Students learn how to operate, fly, and collect video and aerial imagery while also using GIS software to store, manipulate, and map drone data. Students learn how to collect and map data using mapping- grade GPS receivers. After completing this course students are prepared to take the Federal Aviation Administration's Part 107 test to receive their commercial drone pilot license.

GEOG 391 Urban Geography

3 credit hours

The spatial evaluation of cities; including the history, site and situation, external relations, internal characteristics, the rise of urban centers, comparative aspects of cities, their present development and urban problems are examined. Prerequisite: GEOG 101 or 202, or permission of instructor.

GEOG 461 Advanced Geographic Information Systems

3 credit hours

A study of the functionality and application of geographic information systems technology that builds upon the skills learned in Introduction to Geographic Information Systems. Students will learn spatial model building, geodatabase management, geo-referencing, and spatial data collection and analysis. Same as ESCI 461. Prerequisite: ESCI/GEOG 361.

GEOG 490 Capstone Seminar

3 credit hours

The capstone seminar provides students with the opportunity to integrate and apply learning from their entire college experience. Students will develop and complete a project in conjunction with the course instructor or other approved mentor. Approved projects will require students to use skills, methodology and knowledge to address important issues, explore key arguments, and critique common practices germane to their academic discipline. Internships and fieldwork experiences may also be acceptable projects. The course will also prepare students for the transition from college to graduate/professional school. Prerequisite: Senior standing.

GERONTOLOGY

GERO 205 Adult Development and Aging

3 credit hours

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

GERO 481 Internship in Gerontology

3 credit hours

The internship in gerontology is a planned and supervised educational experience, which integrates the knowledge and theory of ageing 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.

GLOBAL MULTICULTURAL

The courses listed here have been developed for the World and Intercultural Studies major and minor, and the Missional Leadership minor.

GMC 270 Mission of God

3 credit hours

This course provides students with an introductory overview of Christian mission practice as part of God's saving work in the world, including theology, history, methodology, and anthropology, to provide perspective and skills needed to be involved in and supportive of mission in every vocation.

GMC 280 Missional Leadership

3 credit hours

This course will give students an overview of biblical leadership and an understanding of their own leadership profile in a mission context. Students will investigate mission principles and best practices, combined with outreach methods and mission tools such as asset mapping and writing strategies for engagement in various mission outreach settings.

GMC 290 Cross-Cultural Perspectives

2-3 credit hours

This course provides for the practical application of Biblical principles for mission, offering cross-cultural perspectives and structures for lowering cross-cultural barriers and ethnocentric postures to make engagement and partnership successful in domestic or international mission. Students will actively participate in building cross-cultural perspective and reflection. (As a summer course, this can be combined with a summer mission trip for an additional service-learning credit).

GMC 370 Mission Engagement (Mission Shift)

3 credit hours

This course will provide students with an understanding of mission principles and hands-on training in the use of mission tools and methods of mission including asset mapping, communication strategies for outreach, and project development all done in partnership with local congregations.

GMC 470 Self-Directed Study in Missions

3 credit hours

This course offers students an opportunity to explore topics areas related to Christian World Missions with direct guidance from a qualified instructor. It provides advanced investigation in selected areas in the realm of intercultural ministry and involves active participation in cross-cultural activity, research, and/or reflection. Topic chosen and coursework decided upon in discussion with the instructor and program director.

GMC 490 Capstone Experience

3 credit hours

Students majoring in World and Intercultural Studies complete a self-directed study with at least 60 hours spent in an approved international or intercultural practicum experience. In addition, students will complete readings and responses, an activity log, journal, reflection paper and an oral presentation summarizing learnings gained from this experience.

GREEK

GRK 101 Greek I

4 credit hours

An introduction to the grammar, vocabulary, and syntax of Attic and Koine Greek. Simple passages of prose will be read. Five hours per week.

GRK 201 Greek II

4 credit hours

A continuation of GRK 101. Selected passages for reading. Five hours per week. Prerequisite: GRK 101 or equivalent.

GRK 301 Greek III

3 credit hours

An intensive review of Koine morphology, vocabulary, principal parts and grammar. The Gospel of John will be translated. Prerequisite: GRK 201 or equivalent.

GRK 401 Greek IV

3 credit hours

The synoptic Gospels of the Greek New Testament will be read intensively and analyzed from the point of view of grammar, vocabulary and syntax. Prerequisite: GRK 301 or equivalent.

GRK 410 Acts

3 credit hours

Reading the book of Acts with an emphasis on a close examination of grammatical and syntactical features. Prerequisite: GRK 401 or equivalent.

GRK 420 Pauline Epistles

3 credit hours

Extensive readings in the epistles of St. Paul with an emphasis on the grammatical and syntactical features as well as the distinctive features of an epistle. Prerequisite: GRK 401.

GRK 430 Textual Criticism and Intertestamental Relationships

3 credit hours

An introduction to textual criticism of the Hebrew OT and the Greek NT, and a study of the linguistic and theological interrelationship of the testaments, particularly the use of the Septuagint by NT writers. This course is to be taken in the final year. Prerequisites: GRK 201 and HEB 201. Same as HEB 440.

GRK 499 Greek Readings

1-2 credit hours

One or more New Testament or Early Church Greek documents will be read and translated from Greek, with an emphasis on a close analysis of syntax. Prerequisite: GRK 401 or equivalent.

HEALTH AND HUMAN PERFORMANCE

Activity Courses

HHP 100 Lifetime Wellness

1 credit hour

A course designed to provide an understanding of the dimensions of health in contemporary society and to aid the liberally educated student in developing and maintaining holistic wellness for optimal health.

Team Activity Courses

HHP 111 Flag Football

0.5 credit hour

Half semester.

HHP 112 Lacrosse

0.5 credit hour

Half 0semester.

HHP 116 Basketball

0.5 credit hour

Half semester.

HHP 117 Soccer

0.5 credit hour

Half semester.

HHP 118 Softball

0.5 credit hour

Half semester.

HHP 132 Volleyball

0.5 credit hour

Half semester.

Leisure/Adventure Activity Courses

HHP 142 Orienteering

0.5 credit hour

Half semester. Development of map and compass skills. Same as GEOG 142.

HHP 144 Recreational Sports

0.5 credit hour

Half semester. Includes horseshoes, bocce ball, eclipse ball and other activities.

HHP 146 Adventure and Cooperative Activities

0.5 credit hour]

Half semester. Challenge and trust–building activities including low ropes elements. Course fee.

HHP 147 Alpine Skiing

0.5 credit hour

Half semester. Spring break ski trip required. Course fee.

HHP 148 Beginning Climbing

0.5 credit hour

Half semester. A course in beginning wall climbing. Course fee.

HHP 149 Wilderness Adventure Activities

0.5 credit hour

A summer school course. Activities may include mountain climbing, backpacking, hiking, mountain biking, rafting, and canoeing. Same as GEOG 149. Course fee.

Individual/Dual Activity Courses

HHP 135 Track and Field

0.5 credit hour

Half semester.

HHP 150 Pickleball

0.5 credit hour

Half semester.

HHP 152 Badminton

0.5 credit hour

Half semester.

HHP 154 Golf

0.5 credit hour

Half semester. Course fee.

HHP 156 Tennis

0.5 credit hour]

Half semester.

HHP 157 Bowling

0.5 credit hour

Half semester. Course fee.

HHP 158 Racquetball

0.5 credit hour

Half semester. Course fee.

Dance Activity Courses

HHP 153 Folk Dance

0.5 credit hour

Half semester.

HHP 155 Square and Line Dance

0.5 credit hour

Half semester

Fitness Activity Courses

HHP 161 Running and Walking

0.5 credit hour

Half semester

HHP 162 Aquatic Fitness

0.5 credit hour

Half semester

HHP 164 Cross Training

0.5 credit hour

Half semester

HHP 166 Weight Training

0.5 credit hour

Half semester.

HHP 168 Aerobics

0.5 credit hour

Half semester. May include step, kickboxing, and the different components to a group of aerobic workouts. A considerable amount of physical exertion is involved so the course is for students with no apparent health risks.

HHP 169 Pilates

0.5 credit hour

Half semester. Course fee.

HHP 170 Pilates II

0.5 credit hour

Prerequisite: HHP 169. Half semester. Course fee.

HHP 171 Yoga

0.5 credit hour

A course designed to promote health and wellbeing of the individual. Half semester. Course fee.

HHP 172 Yoga II

0.5 credit hour

Half semester. Course fee. Prerequisite: HHP 171.

Theory Courses

HHP 182 First Aid and CPR

1 credit hour

A course designed to develop and expand knowledge and skill to understand and address a) health and safety, b) prevention of injuries, and c) first aid and CPR. Further, the course will aid the liberally educated student in becoming certified through the American Red Cross. Course fee American Red Cross. Course fee.

HHP 228 Programs in Individual, Dual, and Team Sports

3 credit hours

Students will use current teaching models to learn and evaluate age-appropriate teaching progressions and assessment techniques of individual sports (e.g., track and field, golf, and bowling), dual sports (e.g., tennis, badminton, and racquetball) and team sports (e.g., basketball, soccer, volleyball). Students will become proficient in both performing and teaching specific skills related to the sports. Prerequisite: sophomore standing or higher.

HHP 231 Sports Finance

3 credit hours

In this course, the students will work on a finance-related project for a sports organization. The project will be sourced by either the assigned Faculty member or the HHP Department Chair and could range from a financial analysis of facility expansion to an economic analysis to determine support for a professional sports team relocation. The assigned Faculty member will facilitate an initial meeting with the client and the student(s) to learn about the mission and vision for the organization, project needs, client expectations and a timeline for the project. The faculty member will then meet with the student(s) to delegate responsibilities and a timeline for task completion. The student(s) will spend documented hours working on the project for the client under the guidance of the faculty member throughout the semester while also meeting with the faculty member and client at scheduled intervals to ensure task completion timeliness and quality. In the final week of the semester, the student(s) will both assemble a written document for the client that addresses the objectives provided as well as conduct an oral presentation to the client highlighting the recommendations. Prerequisite: BUS 121.

HHP 248 Programs in Leisure and Adventure Activities

2 credit hours

Performance and analysis of fundamental movements and skills in leisure and adventure activities. The role of leisure and adventure programs for various developmental levels. Prerequisite: sophomore standing or higher.

HHP 261 Care and Prevention of Athletic Injuries

2 credit hours

Intended to equip the student with sufficient knowledge and skill in the prevention, treatment and rehabilitation of injuries common to athletic activities. Course fee.

HHP 268 Programs in Strength and Conditioning

2 credit hours

A course to equip the student with scientific knowledge and training to teach and analyze fundamental movements and skills in strength and conditioning for various developmental levels in the physical education and coaching settings. Successful completion of the course will result in the student earning the High School Strength and Conditioning Coach certification (HSSCC) through the National High School Strength Coaches Association (NHSSCA). Prerequisite: Sophomore standing or higher.

HHP 270 Human Performance Laboratory Techniques

2 credit hours

This course introduces students to the function and use of a variety of human performance equipment. Topics will center on the application of the equipment in health and human performance.

HHP 273 Motor Learning and Development

3 credit hours

The analysis of research findings and empirical evidence concerning the learning of motor skills, with emphasis on

synthesizing these materials into useful concepts which will aid the practitioner. Provides a knowledge base in the study of changes in motor behavior across the lifespan, the processes that underlie these changes and the factors that affect them. Prerequisite: EDPS 210 or PSY 101.

HHP 275 Introduction to Public Health

2 credit hours

This course is designed to introduce and expand knowledge of the liberally educated student to understand the basic elements of public health including identifying and addressing population health challenges, determinants of health, and an overview of the health system. Additionally, this course will provide a history of public health, an overview of the core disciplines, and current events and issues in the field.

HHP 281 Health Topics: Drug Education

1 credit hour

A course in the health topics series designed to develop and expand knowledge and skills of the liberally educated student to understand and address the issues of drug/substance use, misuse, and abuse.

HHP 282 Health Topics: Mental Health

1 credit hour

A course in the Health Topics series designed to develop and expand knowledge and skills of the liberally educated student to understand and explore the issues and concepts of mental health.

HHP 284 Health Topics: Stress Management

1 credit hour

A course in the Health Topics series designed to develop and expand knowledge and skills of the liberally educated student in comprehensive stress management. Strategies and techniques for use by the individual and future professional will be presented.

HHP 285 Health Topics: Nutrition

1 credit hour

A course in the health topics series designed to develop and expand knowledge and skills of the liberally educated student to understand and address the issues of nutrition, dietary patterns and weight management.

HHP 286 Health Topics: Men's Health

1 credit hour

A course designed to provide an understanding of the dimensions of health in contemporary society and to aid the liberally educated student in developing and maintaining holistic wellness for optimal health.

HHP 287 Health Topics: Women's Health

1 credit hour

A course designed to provide an understanding of the dimensions of health in contemporary society and to aid the liberally educated student in developing and maintaining holistic wellness for optimal health.

HHP 290 Health Psychology

3 credit hours

Health Psychology is the study of how biology, behavior, and social context influence health and illness. The course will examine the contributions of psychological research to the understanding, prevention, and treatment of a variety of health concerns. The biopsychosocial–spiritual model will be emphasized, which entails the study of how social, emotional, behavioral, biological, and spiritual factors influence health. The specific topics may include injury, stress, pain management, addictions, patient–physician/practitioner relations, and chronic illnesses such as Alzheimer's, diabetes, and AIDS. Prerequisite: PSY 101. Same as PSY 290.

HHP 291 Foundations of Health and Human Performance

2 credit hours

An introduction to the scope of health and 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 295 Psychology of Exercise

3 credit hours

This course will cover: (a) psychological theories for understanding and predicting health-oriented exercise behavior. (b) psychological and psychobiological responses to exercise; (c) psychological interventions for increasing exercise participation and adherence. Prerequisite: PSY 101. Same as PSY 295.

HHP 298 Theory of Coaching

2 credit hours

This course provides an overview of coaching sports. It is designed for the student to develop a coaching philosophy and understand coaching techniques, the importance of communication in various interactions, psychology of sports and athletic competition, logistical planning, physical development of athletes, and motivation in sports.

HHP 312 Exercise Prescription

3 credit hours

This course is designed to assist students in the identification, analysis, and implementation of exercise protocols that are appropriate for the specific needs of a variety of individuals. The special needs of those exercising in varying environments will also be covered. Prerequisite: upper-level standing; HHP/BIO 385 or concurrent enrollment; BIO 243, 343 or 344.

HHP 320 Sport Officiating

2 credit hours

This course is designed to provide an overview of the rules, skills and techniques needed to officiate team sports such as baseball, basketball, softball, and volleyball. The course will be taught by certified NSAA officials.

HHP 321 Coaching of Football

2 credit hours

Designed to prepare the student for coaching by studying principles which control or influence the game of football. Prerequisite: HHP 298 or instructor's approval.

HHP 322 Coaching of Men's and Women's Basketball

2 credit hours

A study of basketball with special emphasis on the skills necessary for coaching. Prerequisite: HHP 116, HHP 298, or instructor's approval

HHP 323 Coaching of Softball/Baseball

2 credit hours

Designed to prepare the student for coaching softball/baseball through classroom theory and laboratory experience. Prerequisite: HHP 298, or instructor's approval.

HHP 324 Coaching of Wrestling

2 credit hours

The purpose of this course is to provide the student with the knowledge, skills, and abilities that will enable him or her to function as a successful wrestling coach. Prerequisite: HHP 298 or instructor's approval.

HHP 325 Coaching of Track and Field

2 credit hours

A thorough study of track and field events, their rules, order, and the latest trends in training and coaching techniques. Prerequisite: HHP 298, or instructor's approval.

HHP 326 Coaching of Soccer

2 credit hours

Designed to prepare the student for coaching soccer through classroom theory and laboratory experience. Prerequisite: HHP 117, HHP 298, or instructor's approval.

HHP 327 Coaching of Volleyball

2 credit hours

Designed to prepare the student for coaching volleyball through classroom theory techniques and laboratory experience. Prerequisite: HHP 132, HHP 298, or instructor's approval.

HHP 337 Sociology of Recreation and Sport

3 credit hours

This course aims to provide an overview of the sociology of recreation and sport. It will focus on the relationships between recreation and sport and various institutions including education, family, politics, religion, and the economy. Same as SOC 337.

HHP 362 Internship in Coaching

2-3 credit hours

An experience designed to provide opportunities to observe and work with a professional in a student's selected sport. The internship must be done in a sport other than the one chosen in HHP 322-327. Prerequisite: HHP 298, HHP 463, and upper-level standing. Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

HHP 366 Health Methods

2 credit hours

A study of instructional methods, materials, strategies, and evaluation of health education programs in the school. Prerequisite: acceptance into the Education program, and upper-level standing. Same as EDUC 366.

HHP 367 Recreational Programming

3 credit hours

The principles and practices of conducting recreational programs for schools, churches, community organizations, and various populations. Emphasis will be on non-sport related recreation programming with administrative and leadership roles being stressed. Prerequisite: upper-level standing.

HHP 376 PE Methods and Curriculum Design

3 credit hours

Physical education standards, curriculum, instruction, and assessment for diverse classrooms. Planning instruction to support all students and meet rigorous learning goals, cross-disciplinary skills, technological tools, formative and summative assessment data, and collaboration. Field Experience required. Prerequisite: Admission to Education Program and upper-level standing. Same as EDUC 376.

HHP 385 Physiology of Exercise

3 credit hours

A course designed to give instruction in the physical processes of the body and how they relate to physical exercise. Applications will be made to areas of teaching, coaching, and conditioning of the athlete. Prerequisite: upper-level standing, BIO 243, BIO 253, 343 or concurrent enrollment. Same as BIO 385.

HHP 386 Adult and Senior Health

3 credit hours

This course is designed to develop and expand knowledge and skill to understand and address contemporary health issues in adults and seniors with special attention given to lifespan health and aging, including age-correlated conditions and diseases. Prerequisites: HHP 100 and upper-level standing.

HHP 394 Internship in Sport Business

3 credit hours

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

HHP 395 Biomechanics

3 credit hours

A study of human movement. Attention is given to the anatomy of muscles, bones, joints. Application of mechanical principles to

the movement of the human organism. Prerequisite: upper-level standing; BIO 243, 343, or concurrent enrollment.

HHP 396 Internship in Recreation and Sport Management

3 credit hours

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

HHP 397 Internship in Exercise Science

3 credit hours

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

HHP 398 Internship in Public Health & Fitness

3 credit hours

A planned, supervised experience which integrates knowledge and practical experience in a setting appropriate to the student's professional goals. Prerequisite: upper-level standing and consent of department chair. Students should contact the Office of Career Services to obtain the undergraduate internship packet and review the required process.

HHP 399 Senior Seminar in Health & Human Performance

1 credit hour

A capstone class that allows students to integrate knowledge, experience and research in the exploration of professional issues and trends in health and human performance. Prerequisites: senior standing; HHP major

HHP 410 Essentials of Strength Training and Conditioning

3 credit hours

This course is designed to give an overview of the practice of strength and conditioning coaches and personal trainers. The course will cover scientific and practical foundations of strength and conditioning, with an emphasis on program design using a variety of methods for various populations and exercise techniques. Other emphases will be student driven. "Hands on" experience will be incorporated into lecture and lab. This course is designed to prepare students for the nationally recognized strength and conditioning and fitness certification examinations. Prerequisite: HHP 166 and senior standing, or instructor approval.

HHP 411 Essentials of Sport Science

3 credit hours

This course provides an overview of the practice of applied performance scientists. The course will examine the application of scientific theory to sport. An emphasis is placed upon learning how to maximize health and performance potential for and individual to increase his or her likelihood of success. Students will have the opportunity to collaborate with various on-campus programs as part of the course.

HHP 425 Health Policy

2 credit hours

This course presents an overview of health policymaking and describes healthcare policy in the US with emphasis on Medicare, Medicaid, and CHIP. Emphasis will also be placed on management and communication strategies important to public health professionals, the roles of state and federal agencies in healthcare as well as the ethical perspectives on health policy and individual and population rights. An overview of community health programs, health disparities and a comparative analysis of health care in the United States as compared to other countries will be discussed along with an analysis of relevant legislation and current issues. Prerequisite: HHP 275 and upper class standing.

HHP 441 Sales in Professional and Amateur Sports

3 credit hours

In this course, the students will work on a sales-related project for a sports organization. The project will be sourced by either the assigned Faculty member or the HHP Department Chair and could range from sponsorship sales for an athletic department to group ticket sales for a professional sports organization. In the final week of the semester, the student(s) will both assemble a written document for the client that addresses the objectives provided as well as conduct an oral presentation to the client highlighting the recommendations. Instructor permission required for registration. Prerequisite: BUS 363.

HHP 443 Sports Marketing

3 credit hours

In this course, the students will work on a marketing-related project for a sports organization. The project will be sourced by either the assigned Faculty member or the HHP Department Chair and could range from developing and executing a social media campaign for a sports organization to a brand awareness campaign. In the final week of the semester, the student(s) will both assemble a written document for the client that addresses the objectives provided as well as conduct an oral presentation to the client highlighting the recommendations.

HHP 462 Sport Ethics

3 credit hours

This course is designed to create awareness of important ethical issues in sport and to provide students with skills and information to competently respond to them as they might occur in a professional environment. Real-life issues from a variety of perspectives (player, coach, administrator, parent, etc.) will be explored. Prerequisite: HHP 291 and upper-level standing.

HHP 463 Psychology of Coaching

3 credit hours

A study of the psychological aspects of improving athletic performance of individuals and groups. The interrelatedness of sport and society also will be investigated. Prerequisite: PSY 101, and upper-level standing.

HHP 465 Human Diseases

3 credit hours

Discussion of disease process and ill health. Emphasis on epidemiology, prevention, treatment, and the understanding of the etiology of communicable and non–communicable diseases. Prerequisite: BIO 243, 253, 254 343 or 344; upper-level standing. Same as BIO 465.

HHP 471 Adapted Physical Activity

3 credit hours

The course focuses on the theories, principles, and practices of working with individuals with special needs in physical education, recreation, and sport programs. Prerequisite: Special Education program, concentration, subject or field endorsement in Health Education and/or Physical Education or HHP major; upper-level standing or instructor permission. 10 hours of field experience required.

HHP 480 Health and Human Sexuality

3 credit hours

The study of human sexuality from a holistic health perspective. Emphasis will be placed on the biological, emotional, sociological, and behavioral factors concerning human sexuality. Prerequisite: upper-level standing.

HHP 482 Applied Epidemiology

3 credit hours

The study and application of epidemiology and health data analysis in the public health setting. Data analysis and biostatistics skills, tools, and techniques are employed. Prerequisites: HHP 275, MATH 122,182, or 184 upper-level standing.

HHP 484 Community Health

3 credit hours

A survey of community health including an examination of the nature, extent, and contributing factors of major community and public health issues and problems in different populations and settings. The purpose, function, organization, and administration of health services at the local, state, and federal levels will also be examined. Prerequisites: HHP 275; Public Health and Fitness major/Public Health minor program; upper-level standing.

HHP 486 Critical Issues in Health

3 credit hours

Social, medical, and/or legal aspects of current critical issues in health. Prerequisite: HHP 275; Public Health and Fitness major/Public Health minor program; upper-level standing.

HHP 488 Health Promotion Programming

3 credit hours

This course is designed to provide an overview of the skills and knowledge necessary to provide leadership in the designing, implementation and evaluation of public, community and worksite health promotion programs. Prerequisite: HHP 275 and upper- level standing.

HHP 489 Global Health

2 credit hours; 1 additional hour optional for study abroad experience

This course provides an introduction to important global health issues, including health determinants and key areas of disease burden currently affecting the developing world and the role that new health technologies can play in solving these problems.

HHP 491 Management of Recreation and Sports

3 credit hours

Acquaint students with the responsibilities and knowledge required in administrating physical education, recreation and sports programs. Prerequisite: upper-level standing.

HHP 494 Measurement and Evaluation in Human Performance

3 credit hours

Study of techniques and tools used in measurement and evaluation in physical education and human performance. Included will be test constructions, survey of available instruments and materials, and practical experiences in test administration and analysis. Prerequisite: MATH 122, 151, or 184. Upper-level standing

HHP 495 Legal Aspects of Exercise, Recreation, and Sports 3 credit hours

Legal concepts and principles related to the administration, instruction, training and coaching of exercise, recreation and sport. Issues regarding personnel, facilities, equipment, transportation, medical aspects, liability, age and gender will be examined. Prerequisite: upper-level standing or consent of instructor.

HHP 496 Recreation and Sport Facility Management

3 credit hours

Management and design principles applied to recreation and sport areas and facilities. Emphasis on operation efficiency, scheduling, quality service, fiscal responsibility and maintenance management and planning. Additional emphasis on physical accessibility of facilities. Prerequisite: upper-level standing.

HEALTHCARE MANAGEMENT

HMGT 101 Introduction to Healthcare Management

3 credit hours

The purpose of this course is to introduce the necessary foundations for understanding the relevant theories, tools and applications required to address operational issues that healthcare managers face daily. This course identifies and explores historical, theoretical, and practical issues pertaining to fundamental managerial challenges, while providing framework for understanding the roles and contribution of management in the healthcare setting, while addressing the internal and external factors that affect healthcare delivery system outcomes.

HMGT 121 Healthcare Economics

3 credit hours

A study of the performance of the American economy as it relates to healthcare. 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 as they apply to the Healthcare industry.

HMGT 210 Healthcare Quality Management

3 credit hours

This course explores healthcare applications of quality improvement, including governmental and regulatory influences, standards, and guidelines, quality programs and methods, and process redesign.

HMGT 220 Leadership & Direction in the Administration of Health Services

3 credit hours

Introduction to the basic principles of leadership and direction for students interested in supervision and management of healthcare programs. This course provides an introduction and overview to leadership, management, and organizational behavior in healthcare, reflecting the uniqueness of this sector. The course integrates theory with practice through readings, lectures, and written assignments.

HMGT 261 Marketing & Strategic Planning for Healthcare Organizations

3 credit hours

The overall goal of this course is to study the management of the marketing process, strategy formulation, strategic planning, organizing, budgeting, implementation, and performance assessment specific for healthcare organizations. The course will provide students with an overview of the concepts of "strategic

marketing and strategic planning." Marketing and planning tools will be discussed and their use in assisting institutions in fulfilling their mission, vision and goals and in helping to define strategies to improve market position and financial performance. Discussion within this course will incorporate ethics, social media, regulatory compliance, privacy (HIPAA) and sensitivity to all aspects of patient service and care. This is an introductory course covering the field of marketing and planning in the health services industry.

HMGT 300 Legal Aspects of Healthcare

3 credit hours

Familiarize students with significant legal principles and theories relevant to healthcare administration; provides example of context in which potential legal problems arise; develop the ability to identify and evaluate potential legal risks related to healthcare administrative and management decisions, and to appropriately utilize legal counsel in the decision-making process.

HMGT 331 Financial Management of Health Service Organizations

3 credit hours

The course focuses on financial management and analysis of healthcare organizations. The course includes financial management concepts, capital acquisition, and cost of capital and capital structure, capital allocation, working capital management, forecasting, control systems, capital budgeting, and institutional financing.

HMGT 371 Health Information Management

3 credit hours

This course examines the use of information systems in healthcare organizations. Students will be introduced to the types of healthcare data and information, the various information systems used throughout the healthcare industry, the technology utilized by these information systems, and IT challenges facing healthcare administrators. The intent of the course is to analyze the key IT issues confronting the health care managers today, examine the migration from paper to electronic health records, review government regulations surrounding IT and privacy, and explore IT strategies and solutions employed by healthcare organizations today.

HMGT 400 Ethics for Healthcare Managers

3 credit hours

This course will examine ethical issues that arise within the context of contemporary American healthcare. Attention will be given to important philosophical and theological approaches to ethical problem solving in clinical and non-clinical contexts. The course will also address ethical questions about medical care at the beginning and end of life, as well as questions related to the business of healthcare delivery.

HMGT 403 Introduction Gerontology & Mental Health

3 credit hours

The purpose of this course is to examine the concepts of gerontology and mental illness. The course will explore issues that impact the healthcare delivery system, including conceptual foundations in aging, common illnesses among the elderly and mentally ill, general assessment, healthcare needs, legal issues, ethical issues, and family caregiving. In addition, this course will study the demographics of today’s aging population and current methods of administration of long-term care.

HMGT 414 Aging Policy, Programs, & Services

3 credit hours

This course will investigate the development of aging policy. Students will analyze both the historical and current relationship between social policy and public policy and assess how this influences the development of programs and provision of services for older adults. The role advocacy plays in policy development will also be examined.

HMGT 425 Public Health Administration

3 credit hours

This Public Health Administration course will provide an introduction to public health concepts and practice by exploring the principles of evidence-based public health, theoretical, organization, functions and practical issues in the field.

HMGT 465 Disease Management

3 credit hours

Prepares students with a foundation for understanding major pathophysiology, applied Pharmacology methods, and general healthcare implications to pathologic human development.

HMGT 484 Community Healthcare

3 credit hours

Students study the nature, extent, and causes of the basic community health problems to build an understanding of the purpose, function, organization and administration of community health services at local, state, and national levels. Students study the nature, extent, and causes of the basic community health problems to build an understanding of the purpose, function, organization and administration of community health services at local, state, and national levels.

HMGT 485 Diverse & Vulnerable Population-Based Health

3 credit hours

Serves to explore epidemiology with underserved and vulnerable populations applied to preserving, promoting, and maintaining the health of the global and diverse population and grounded in social justice.

HEBREW

HEB 101 Biblical Hebrew I

4 credit hours

An introduction to Biblical Hebrew grammar, vocabulary and syntax, coordinated with some translating activity in the Hebrew Bible. Five hours per week.

HEB 201 Biblical Hebrew II

4 credit hours

An intensive review of Biblical Hebrew vocabulary, morphology and grammar, coordinated with extensive readings in the Former Prophets (Joshua–Kings) and selected poetry. Five hours per week. Prerequisite: HEB 101.

HEB 301 Biblical Hebrew III

3 credit hours

Further study of Biblical Hebrew vocabulary and syntax, coordinated with extensive reading in the narratives of Genesis. Prerequisite: HEB 201.

HEB 405 Syriac

3 credit hours

An introduction to Syriac grammar, vocabulary, and syntax, coordinated with translating activity in the Peshitta and the Syriac fathers, including text critical studies of the Greek New Testament and the Hebrew Bible. Prerequisite: HEB 301.

HEB 410 Latter Prophets

3 credit hours

Extensive readings in the Latter Prophets (Isaiah, Jeremiah, Ezekiel and The Twelve), with emphasis on a close examination of grammatical and syntactical features. Prerequisite: HEB 301 or permission of instructor.

HEB 420 Exodus and Deuteronomy

3 credit hours

Extensive readings in the narratives and legal and parenetic materials in Exodus and Deuteronomy, with emphasis on a close examination of grammatical and syntactical features. Prerequisite: HEB 201.

HEB 430 Psalms and Wisdom Literature

3 credit hours

Extensive readings in the Psalms and Biblical wisdom literature (Job, Proverbs, Ecclesiastes), with emphasis on distinctive features of Hebrew poetry and the literature of the wisdom movement. Prerequisite: HEB 301 or permission of instructor.

HEB 440 Textual Criticism and Intertestamental Relationships

3 credit hours

See GRK 430.

HEB 499 Hebrew Readings

1-2 credit hours

One or more Old Testament or Dead Sea Scroll documents will be read and translated from Hebrew, with an emphasis on a close analysis of syntax. Prerequisite: HEB 301 or equivalent.

HISTORY

HIST 115 United States History

3 credit hours

This course examines the history of the United States from the American Revolution to the present by focusing on the significant people, trends, and events that have shaped the nation. The course is also designed to develop students' analytical reading and writing skills, as well as hone their ability to think historically.

HIST 131 World Civilization I

3 credit hours

Assesses the development of the basic political, philosophical, and cultural patterns of the ancient, near eastern, Asian, Greco–Roman, medieval and early modern European societies.

HIST 132 World Civilization II

3 credit hours

Special emphasis on major political, philosophical, cultural and economic trends in the modern world (since c. 1700) and the emergence of the world community. (May be taken independently of HIST 131.)

HIST 303 Modern China

3 credit hours

Examines the history of modern China from the late seventeenth century to the present day. Topics to be examined include the rise and fall of the Qing, China’s Nationalist Revolution, Civil War, the emergence and impact of Mao Zedong and the Chinese Communist party on the nation/people and the recent ascent of China as a global power. Prerequisite: sophomore standing or higher.

HIST 304 Modern Middle East History

3 credit hours

This course examines broadly the social and political changes in the Middle East from 1800 to the present. It will focus particularly on the Ottoman Empire, European colonialism, the development of Arab nationalism, Islamic purity and reform movements, the rise of modern Israel and the Palestinian authority, and the late twentieth century development of nation-states in the Middle East. Prerequisites: HIST 131, 132.

HIST 306 The Atlantic World

3 credit hours

This course examines the development of the "Atlantic World" or the world made by Europeans, Africans and Native Americans at land and at sea from roughly the mid-fifteenth century to the nineteenth century. Topics to be examined include the age of exploration and sail, the transatlantic slave trade, changing ideas of race, religion, gender and class and the Americas in the "Age of Revolution."

HIST 307 The Early American Nation: 1789–1865

3 credit hours

The forces and institutions which shaped the development of the U.S. from 1789 to 1865: political parties and issues; economic change; religion, thought and reform; race and slavery; women and families in U.S. society, foreign relations, expansionism; the causes and course of the Civil War. Prerequisites: HIST 115 and sophomore standing or higher.

HIST 308 Gilded Age Progressive Area

3 credit hours

National reconstruction after the Civil War with emphasis on the place of Black Americans; industrialization and reform; the American position in world affairs through World War I. Prerequisite: sophomore standing or higher.

HIST 309 Isolation to World War II

3 credit hours

Reviews the social and economic conditions of the United States between the world wars and in the post-World War II period. Surveys the extent and degree of American involvement in world affairs. Prerequisite: Sophomore standing and HIST 115 or instructor permission.

HIST 311 American Foreign Relations

3 credit hours

An analysis of U.S. foreign policy from the early national era to the present, with emphasis on the 20th century and Cold War years. Focuses on major theme — the impact of idealism, territorial and commercial expansion, American exceptionalism. Variant interpretations of U.S. diplomacy are studied critically.

HIST 313 Religion and Society in the United States

3 credit hours

A historical analysis of the interaction between religion and society in the United States from pre-colonial to contemporary times; emphasis on themes such as Puritanism, revivalism, social reform, religious pluralism, civil religion, and on-going theological issues. Attention is given to the development of Lutheranism in the American setting. Prerequisite: sophomore standing or higher.

HIST 334 Early and Medieval Christianity

3 credit hours

This course surveys the early and medieval history of Christianity and the Church. Attention is given to the development of theological thought, ecclesiastical structures, and the various relationships between the Church and the "world" during this period of time. Prerequisite: sophomore standing or higher.

HIST 335 The Renaissance and the Reformation

3 credit hours

The beginning period of the modern world. The three main divisions: Renaissance, the Reformation, and the Catholic Reformation. Prerequisite: Upper-level standing.

HIST 338 Ancient Rome

3 credit hours

This course examines the history of Rome from its founding through the Imperial period. Particularly, it focuses on the formation of the Roman Republic, the expansion of the Republic's power, the Civil Wars, and finally the emergence of the Roman Empire throughout the Mediterranean World. We will analyze political, cultural, and religious events and ideas through reading ancient Roman writers' works. Prerequisite: sophomore standing or higher.

HIST 339 Europe since 1914

3 credit hours

European thought and institutions in the twentieth century. The impact of total war and totalitarianism on contemporary Europe and the world; the development of a mass society; attempts at international organization; and the relative decline of European influence in the world. Prerequisite: HIST 132, or the permission of instructor.

HIST 400 Topics in World History

3 credit hours

A topics and readings course that explores major issues or themes in World History. Areas of study may include: Africa, Asia, the Near East, and Latin America. Prerequisite: sophomore standing or higher and HIST 132.

HIST 410 U.S. History Since 1945

3 credit hours

A study of the major events and issues before the American people between World War II and the end of the Twentieth Century. Topics include American Politics, the Cold War, the Baby Boom, Rock 'n' Roll, Vietnam, Environmentalism and the dawn of the Computer Age. Prerequisites: HIST 115 or 132, sophomore standing or higher.

HIST 417 African American History

3 credit hours

Surveys the positions and conditions of Afro–Americans in various aspects of life in the United States. The problems and progress of blacks forced from Africa to present situations are included. Prerequisite: HIST 115 and sophomore standing or higher. Same as SOC 417.

HIST 420 Immigration and Ethnicity in American History

3 credit hours

This course surveys migration patterns into and within North America from colonial times to the present. It focuses on the various groups who have come to the United States and explores their reasons for migrating and their collective experiences once in America. This course will also investigate the role that legislation and ethnicity have played in determining the degree to which immigrants have been accepted or rejected into mainstream American society. Prerequisites: HIST 115, sophomore standing or higher.

HIST 421 Latin America

3 credit hours

Emphasis is placed on major forces and institutions shaping Latin America: Pre-Columbian cultures, Iberian heritage, economic development and dependence, social and political change after independence, relations with the U.S., and study of selected nations.

HIST 434 Medieval Crusades

3 credit hours

This course examines the Crusades during the period in medieval Europe from the late eleventh century through the late thirteenth century. It also analyzes the influence of the Crusades on medieval European society and religion through a close reading of primary and secondary sources. Prerequisite: Upper-level standing.

HIST 451 Russia, the Soviet Union, and After

3 credit hours

A survey of Russian and Soviet history from early beginnings with special emphasis on political, social, economic, religious and cultural developments of modern Russia and the Soviet Union. Prerequisite: Upper-level standing.

HIST 487 United States Constitutional History

3 credit hours

This course explores the history of the United States Constitution through an examination of its creation in Philadelphia in 1787, subsequent amendments to the Constitution over the last two hundred years and the constitutional crises that have periodically confronted the country. Prerequisite: Sophomore standing and HIST 115 or instructor permission.

HIST 491 Senior Seminar in History

3 credit hours

Students will craft a substantial research paper in history based on original sources, the topic of which is determined in consultation with the professor. Students will also be exposed to basic historical theory and trends in historiography. This course counts as the capstone for the history major.

HIST 499 Honors Course

1-6 credit hours

Arranged for qualified seniors.

LATIN

LAT 101 Latin I

3 credit hours

An introduction to the grammar, vocabulary and syntax of Latin. Select sentences will be read.

LAT 102 Latin II

3 credit hours

A continuation of Latin I. Select sentences and simple passages of prose will be read. Pre-requisite: LAT 101 or equivalent.

LUKE

LUKE 101 Becoming a Luke Scholar

3 credit hours

This foundational course for the Luke Scholars Program is designed to compel students to think deeply about what it means to be a Christian Scholar, cultivate the disposition and skills of a Christian intellectual, and afford students the opportunity to recognize the virtues and limits of interdisciplinary intellectual study. The substance of the course will focus on the fundamental question: “What does it mean to be a Christian Scholar?”

LUKE 201 Shakespeare as a Template for Pondering our Fallen Human Condition

3 credit hours

Students will use the works of William Shakespeare as a prism for viewing the implications of our sinful human condition in literary depictions of individuals at their most debased moments and their most noble aspirations. Tracing the resilience of these themes across time, students will be given an opportunity to see how significant literature can reinforce the urgency of the message of the Gospel in addressing the causes and implications of shattered lives.

LUKE 202 Jerusalem: The Holy City through Space & Time

3 credit hours

Jerusalem is an essential locus for Christians, history, and modern politics. Taking an interdisciplinary approach involving professors from a variety of disciplines, students will explore the geographical, political, religious, and artistic facets that make Jerusalem one of the world’s most notable places and a fascinating topic of inquiry.

LUKE 210 How to Be a Human Being

3 credit hours

God made human beings in His MIRRIR image. Made in the MIRRIR image of God, God made human beings to be Moral, Intelligent, Responsible, Recreational, Immortal, and Relational.

Through the lenses of both Christian and non-Christian philosophers, this course reflects all six sides of the MIRRIR Image of God so that Luke Scholars will leave the course not only well-trained in the human discipline of philosophy but also more confident in how to be a human being

LUKE 301 Beauty in Music and the Fine Arts

3 credit hours

Is there an absolute standard of beauty? Or, is beauty merely relative, depending solely upon the opinion of he/she who perceives it? In this course students will examine secular and Biblical definitions of beauty. Building upon these foundations students will then study classical works of music and art in light of these disparate definitions.

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LUKE 302 The Inklings and Intellectual Friendship

3 credit hours

Known as the soil in which C. S. Lewis's The Chronicles of Narnia and J. R. R. Tolkien's The Lord of the Rings grew, the Inklings was far more than a group of mere storytellers. These Oxford academics confronted cultural transformations with their distinctively Christian humanism. Their work encompasses aesthetics, politics, educational theory, theology, philosophy, and much more. This course will consider the intellectual friendship of the Inklings and their extended circles, highlighting not just the thought but also the importance of community itself.

LUKE 305 Vaccines and the Society

3 credit hours

This course will explore the science of vaccination before delving into larger political and philosophical questions that surround the use of vaccines. What are the virtues and limits of vaccinations? How should decisions regarding vaccinations be made and who should make them? How have the debates surrounding vaccines changed over time?

LUKE 309 Emotional Intelligence and the Christian Life

3 credit hours

Life is full of big opportunities, challenges and decisions. But how do we make the most of our opportunities, overcome challenges and make the best decisions in life? In other words; how can we become wise? The Bible says, "The beginning of wisdom is this: get wisdom" (Proverbs 4:7). When we read verses such as this in the Bible, we might ask ourselves, "so how do I get wisdom?" In Emotional Intelligence and the Christian Life, Luke Scholars will learn the connection between Emotional Intelligence, the wisdom of God and the Christian Life. Students will be challenged to consider how his/her own level of Emotional Intelligence impacts his/her ability to "get wisdom" and achieve "success" in our Christian Life.

LUKE 401 & 402 Luke Scholars Capstone

3 credit hours each

In the Luke Scholars Capstone courses students will work to create a project, program, or significant academic work directly tied to their vocational callings and individual talents. Students will meet weekly with their peers and a faculty member to report their progress, and to workshop their projects. Student capstone proposals will be approved in advance. The capstone can incorporate, but cannot be composed solely of, an internship. Students must present their work at the research symposium in the spring, or at another approved appropriate venue.

LUKE 499 Topics in Luke Scholars

3 credit hours

A topics and readings course that deeply explores a theme, idea, or subject from a Christian perspective with an "honors" level of rigor. The course counts towards the 18 hours of credit required for the successful completion of the Luke Scholars Program. The course may be repeated if the topic has changed. Prerequisite: Luke 101 or permission of the program director.

MATHEMATICS

Junior standing or higher is recommended for 300 or 400 level college courses in mathematics.

MATH 122 Introduction to Statistics

3 credit hours

The fundamentals of elementary statistics, data collection and analysis, probability, distributions, sampling, hypothesis testing, correlation and regression.

MATH 128 Introduction to Data Science

3 credit hours

The course combines three perspectives: inferential thinking, computational thinking, and real-world relevance. The course teaches critical concepts and skills in algorithmic problem solving and statistical inference, in conjunction with hands-on analysis of real-world datasets.

MATH 132 College Algebra

3 credit hours

An overview of fundamental algebraic concepts. Real and complex numbers, algebraic expressions, equations and inequalities, functions, polynomials, rational expressions, graphing, exponential and logarithmic functions, systems of equations and matrices. Prerequisite: two years of high school algebra.

MATH 142 Survey of Contemporary Mathematics

3 credit hours

Selected topics which may include graph theory, apportionment, fair division, voting methods, bin packing, cryptography and coding, probability and statistics, game theory, financial mathematics, non-Euclidean geometry, dynamics of growth, tessellations and symmetry.

MATH 151 Pre-Calculus

3 credit hours

A study of elementary functions, their graphs and application, including polynomials, rational algebraic functions, exponential, logarithmic and trigonometric functions.

MATH 175 Finite Mathematics

3 credit hours

Introduction to finite mathematics through the study of logic, sets, probability, statistics, game theory, vectors, matrices, and linear programming. Many applications.

MATH 182 Calculus with Applications

3 credit hours

An overview of calculus. Topics include limits, continuity, differentiation, exponential growth and decay, integration and the fundamental theorem of calculus. Applications to business, life sciences and social sciences will be emphasized. Prerequisite: four years of high school mathematics or equivalent.

MATH 184 Calculus I

4 credit hours

A beginning course in the analysis of functions including analytic geometry. A study of limits, techniques and applications of differentiation, transcendental functions, and basic integration.

MATH 186 Calculus II

4 credit hours

A continuation of Calculus I. Topics studied include techniques and applications of integration, sequences, and series. Prerequisite: A grade of C or higher in MATH 184 or instructor's permission.

MATH 201 Concepts of Mathematics I

3 credit hours

An activities approach to problem solving, systems of numeration, properties of whole numbers, integers, fractions, real numbers, and numerical operations, number theory and statistics. Only available to Early Childhood, Elementary, Middle Level and Special Education students. Prerequisite: Sophomore level or higher.

MATH 252 Mathematical Structures

3 credit hours

A transition course which introduces students to logic, set theory, and the axiomatic method. This course is designed for students continuing to higher level mathematics courses. Prerequisite: A grade of C or higher in Math 182, 184, or 186, or instructor's permission.

MATH 284 Calculus III

4 credit hours

A continuation of Calculus II. A study of analytic geometry in two- and three-dimensional space, partial differentiation, multiple integration, and vector calculus. Prerequisite: A grade of C or higher in MATH 186.

MATH 301 Concepts of Mathematics II

3 credit hours

An activities approach to studying mathematics concepts in probability, functions and algebra, and numerous topics in geometry. Geometrical topics include two and three-dimensional geometry, constructions, congruences, motion and coordinate geometry symmetries and concepts of measurement. Prerequisite: A grade of a C or higher in MATH 201 or one semester of calculus.

MATH 305 Mathematics for Elementary/Middle Level Teachers

3 credit hours

An activities approach to problem solving, systems of numeration, properties of whole numbers, integers, fractions, real numbers, numerical operations, number theory, geometry, algebra, functions, statistics, and probability. Prerequisite: three hours of college level mathematics and sophomore level or higher, or permission of the instructor.

MATH 318 Seminar in Mathematics

1-3 credit hours

Math topics of interest, readings and problems in mathematics. Prerequisite: 15 hours of college mathematics or permission of instructor.

MATH 321 Numerical Analysis

3 credit hours

An introduction to the basic algorithms of numerical analysis. Topics include floating point arithmetic, interpolation and approximation, numerical integration, systems of linear equations, solution of non-linear equations, and solution of ordinary differential equations. Assignments using Mathematica will give experience in applying selected algorithms. Prerequisites: grade of C or higher in 141. Math 384 is strongly recommended. Same as CS 321.

MATH 322 Foundations of Statistics

3 credit hours

A study of mathematical statistics including probability distributions sampling theory, point estimation, methods of correlation and regression, and the principles of statistical inference. Prerequisite: A grade of a C or higher in MATH 186.

MATH 332 Abstract Algebra

3 credit hours

An introduction to algebraic structures with an emphasis on groups, subgroups, and group isomorphisms. A brief introduction to rings, domains and fields. Prerequisite: A grade of a C or higher in MATH 252 and upper-level standing.

MATH 333 Linear Algebra

3 credit hours

Linear algebraic structures, their theory and application. Matrices, determinants, linear transformations, programming, vectors and vector spaces, dependence, inner products, row operations and echelon systems. Prerequisite: A grade of a C or higher in MATH 186; MATH 252 is recommended.

MATH 335 Number Theory

3 credit hours

Mathematical induction, greatest common divisor, fundamental theorem of arithmetic, prime and composite integers, and congruences. Prerequisite: A grade of a C or higher in MATH 252 and three semesters of college mathematics.

MATH 348 Discrete Mathematics

3 credit hours

An applied course in discrete mathematical structures emphasizing their application to computer science. The course will relate mathematical concepts such as trees, graphs, combinatorics, relations and groups to computer science problems and applications. Computer science topics integrated into the course include data structures, algorithm design and algorithmic analysis and testing. Prerequisite: A grade of C or higher in MATH 252. CS 131 is recommended.

MATH 365 Foundations of Geometry

3 credit hours

An introduction to the general study of geometries including projective, finite, and non-Euclidean geometries. Prerequisites: high school geometry, three semesters of college mathematics and a grade of a C or higher in MATH 252.

MATH 382 Real Analysis

3 credit hours

Properties of the real number system, sequences, limits, continuity, the derivative, Riemann integral, the Fundamental Theorem of Calculus and series. Prerequisites: A grade of a C or higher in MATH 252 and 284.

MATH 384 Differential Equations

3 credit hours

A study of ordinary differential equations, first and higher order, systems linear and non-linear, their solutions and applications, including La Place Transforms. Prerequisite: A grade of a C or higher in MATH 186.

MATH 475 Mathematical Modeling

3 credit hours

This course is an introduction to mathematical modeling of deterministic and stochastic dynamical systems. Differential equations, matrices, elementary probability and statistics will be applied to the development and analysis of continuous and discrete models that arise in the physical, biological, social and management sciences. Prerequisites: A grade of a C or higher in MATH 322, 333, and 384.

MATH 491 Data Science Senior Projects

3 credit hours

A student-selected, instructor-approved major project that applies data science to another discipline such as software engineering, robotics, or biology. Students will apply knowledge and skills from earlier coursework in solving a real-world problem with data. Prerequisites: CS 322.

MUSIC

MU 102 Aural Skills I

1 credit hour

This course is an in-depth introductory study of the fundamentals of music theory with emphasis on the development of aural performance and perception. Content includes melodic and rhythmic dictation, sight singing with moveable do solfège, and contextual listening. Corequisite (for students whose program requires this course): MU 103.

MU 103 Music Theory I

3 credit hours

The procedures of writing and analyzing music in the common practice idiom, including music notation in manuscript and with a computer, keys and scales, rhythm and meter, intervals, triads and seventh chords, figured bass, orchestral transpositions, roman numeral and lead sheet analysis, part writing and melody harmonization using triads, harmonic progressions, cadences and periods, and setting texts to music in an original composition. Corequisite (for students whose program requires this course): MU 102.

MU 104 Aural Skills II

1 credit hour

This course is a continuation of Aural Skills I and includes sight singing, melodic and harmonic dictation, and contextual listening of moderate difficulty. Prerequisite: a grade of C or higher in both MU 102 and MU 103. Corequisite (for students whose program requires this course): MU 105.

MU 105 Music Theory II

3 credit hours

A continuation of MU 103, the procedures of writing and analyzing music in the common practice idiom. Topics include non-chord tones; part writing and melody harmonization using seventh chords, secondary dominants, and secondary leading-tone chords; common-chord, common tone, and circle-of-fifths modulations; piano accompaniments; and large-scale formal structures—all synthesized in an original composition. Prerequisite: a grade of C or higher in both MU 102 and MU 103. Corequisite (for students whose program requires this course): MU 104.

MU 111 Music Appreciation

3 credit hours

This course is designed as a music appreciation course for the non-music major. It covers the elements of music, with a historical overview of western art music, and important composers and their works of music. The ability to read music is not required.

MU 112 Film Music

3 credit hours

This course develops the ability to listen critically to and analyze film music through the study of a broad range of film genres and music either written for films or previously composed and used in films. The ability to read music is not required.

MU 202 Aural Skills III

1 credit hour

This course is a continuation of Aural Skills II and includes advanced rhythms, chromatic pitches, modulations, and advanced harmonic language in sight singing, melodic and harmonic dictation, and contextual listening. Students whose

program requires this course take it concurrently with MU 203. Prerequisite: a grade of C or higher in both MU 104 and MU 105.

MU 203 Music Theory III

3 credit hours

A continuation of MU 105, this course is a study of chromatic harmony. Topics include secondary dominant function chords, borrowed chords and modal mixture, Neapolitan 6 chords, augmented 6th chords, extended sonorities, altered dominant and chromatic mediant chords, and modulations to remote keys. Prerequisite: a grade of C or higher in both MU 104 and MU 105. Corequisite: MU 202.

MU 204 Aural Skills IV

1 credit hour

This course is a continuation of Aural Skills III and includes advanced rhythms, chromatic pitches, modulations, advanced harmonic language, and modes in sight singing, melodic and harmonic dictation, and contextual listening. Students whose program requires this course take it concurrently with MU 205. Prerequisite: a grade of C or higher in both MU 202 and MU 203.

MU 205 Music Theory IV

3 credit hours

A course in form and analysis; that is, the study and analysis of the techniques of development used in eighteenth-century polyphonic inventions and fugues, the classical sonata form, theme and variations, and rondo form. Other topics include harmonic and structural innovations found in the music of the twentieth and twenty-first centuries, including postmodern collage. Prerequisite: a grade of C or higher in both MU 202 and MU 203. Corequisite: MU 204.

MU 209 Introduction to Audio Engineering

2 credit hours

This course introduces audio production principles and practices, including signal flow, microphone types and applications, digital audio workstation, recording techniques, and basic mixing concepts. Technical critical listening skills are learned through guided studio demonstrations, with examples and applications drawn from a range of musical contexts. The ability to read music is not required.

MU 211 Music History to 1750

3 credit hours

A survey of music history and literature from ancient times to about 1750. Prerequisite: MU 105.

MU 212 Music History since 1750

3 credit hours

A survey of music history and literature from about 1750 to the present. Prerequisite: MU 105.

MU 213 World Music

3 credit hours

A study of music and musical cultures outside the western art music tradition, including the classical and folk music of nonwestern societies. For music majors and others who meet the prerequisite. Prerequisite: MU 105.

MU 251 Conducting I

2 credit hours

Conducting I is an introduction to the basics of conducting. Topics include conducting patterns for duple, triple, and quadruple meters; preparatory beats and breaths; the art of conducting; score reading and preparation; baton technique; left hand independence; nonverbal communication; leadership; terminology.

MU 253 Conducting II

2 credit hours

A study of advanced conducting techniques. Topics include conducting patterns for symmetrical and asymmetrical meters, subdivisions, syncopation, and further development of preparatory beats and breaths, the art of conducting, score reading and preparation, baton technique, left-hand independence, nonverbal communication, leadership, and terminology. Prerequisite: MU 251.

MU 303 Arranging

2 credit hours

This course addresses basic issues of scoring and creating original arrangements for voice, keyboards, and common wind and/or string instruments. Particular emphasis is placed on arranging music for school ensembles. Prerequisite: MU 105.

MU 320 Seminar in Music

3 credit hours

An in-depth study of a topic selected by the instructor. May be repeated for credit when the topic differs. Prerequisite: MU 211 or MU 212 (as appropriate to topic), or instructor's permission.

MU 354 Diction

2 credit hours

The goal of this course is to develop a fundamental working knowledge of the International Phonetic Alphabet as it is used in vocal diction and pedagogy. Languages covered include English, Latin, Italian, German, and French.

MU 399 Independent Study

1-3 credit hours

This course is designed for students interested in pursuing a topic not otherwise offered. The topic is selected in consultation with the instructor. There is an additional fee for this course.

MU 493 Senior Project

1-2 credit hours

This course is the capstone experience for all undergraduate music programs. It contains two parts: the planning, preparation, and public performance of a recital, and the research and development of a supporting written project. Enrollment is limited to music majors in their final year of study. Corequisite: 2 hours of 400-level applied instruction on the student's principal instrument, regardless of program of study.

MUSIC: APPLIED

The principal objectives of applied instruction are the development of performing competencies and the ability to read, understand, and bring to performance musical compositions.

Below are the various areas in which applied instruction is available. There are four levels of instruction. Students with no prior experience should register for 100-level. Students with prior experience or training should register for the 200-level. Advanced skills and abilities are required to register for 300 & 400 levels (instructor permission needed).

Course fees are charged for applied instruction in addition to tuition (except for MUAP 151, 161, and 171, which are all group lessons) (Note: Applied music classes for every level & instrument will be offered each semester with sufficient demand).

MUAP 171 Beginning Piano is a 2-credit course available to all students, regardless of major. All other applied music lessons are available to all students for 1 credit. Only music majors or advanced students with instructor permission may register for 2-credit private lessons.

MUAP x11 Trumpet
MUAP x12 Horn
MUAP x13 Trombone
MUAP x14 Euphonium
MUAP x15 Tuba
MUAP x21 Flute
MUAP x22 Oboe
MUAP x23 Bassoon
MUAP x24 Clarinet
MUAP x25 Saxophone
MUAP x31 Violin
MUAP x32 Viola
MUAP x33 Cello
MUAP x34 Double Bass
MUAP x41 Percussion
MUAP x51 Voice
MUAP x61 Guitar
MUAP x62 Bass Guitar
MUAP x71 Piano (classical repertoire, 16th century to present)
MUAP x81 Organ
MUAP x91 Composition (Prerequisite: MU 103 or permission of instructor)

The following Applied Music courses are also offered:

MUAP 272 Keyboard Skills

1 credit hour

A course to prepare music majors for the keyboard skills test, although it is also open to non-majors. Topics include sight reading, playing hymns, transposition, accompaniments, and realizing lead sheet notation. Some prior knowledge of music theory is expected. Taught as a private piano lesson (fee applies). Prerequisite: MUAP 171 or permission of instructor.

MUAP 385 Service Playing I

1 credit hour

A practical course designed to develop skills in leadership of the congregation's song from the organ. Prerequisite: MUAP 281.

MUAP 386 Service Playing II

1 credit hour

A continuation of Service Playing I, this course continues to develop skills in leadership of the congregation's song in a variety of styles from the organ and piano. Prerequisite: MUAP 385.

MUSIC: CHURCH MUSIC

CHMU 221 Introduction to Church Music

2 credit hours

An introduction to the vocation of church musician. Topics include the philosophy of church music; the role of the church musician; working with children, youth, and adults; the church year and lectionary; leading ensembles; and professional organizations and resources. The course, which includes ten hours of fieldwork, is intended primarily for individuals preparing to be church musicians.

CHMU 313 Christian Hymnody

2 credit hours

A study of the hymns of western Christianity from the earliest times to the present. Although those used by Lutherans will be a particular focus, the course includes hymns from all traditions.

CHMU 320 Church Choral Methods

2 credit hours

Methods of teaching choral music to children, youth, and adults in a church setting. The course is designed to help pre-professional church music students gain the necessary tools to be successful leading ensembles.

CHMU 325 Organ Literature and Design

2 credit hours

A study of repertoire for the organ from the Renaissance to the present, various principles of design and construction, and the intersection between literature, design, and music history.

CHMU 390 Service Project in Church Music

1 credit hour

This course relates church music to community service in a way that fulfills the university's service-learning component of general education. Students design, carry out, and assess projects under the direction of a faculty supervisor. Prerequisite: junior standing in the church music program and permission of instructor.

CHMU 411 Christian Liturgy

3 credit hours

A history of Christian liturgy from earliest times to present with particular attention paid to Lutheran use. Includes a discussion

of theological, textual, musical, and cultural issues. The course is especially valuable for future church workers (in any program), and the ability to read music is not required.

CHMU 421 Church Music Administration

2 credit hours

How to administer a comprehensive church music program. Topics include church music philosophy, music planning, budgeting, congregational education, recruiting, working with church staff and other musicians, and current theological and pastoral issues in church music. The course, which includes ten hours of fieldwork, is intended primarily for church music majors. Pre or corequisites: CHMU 313 (Christian Hymnody) or CHMU 411 (Christian Liturgy), or permission of instructor.

MUSIC: EDUCATION

MUED 201 Introduction to Music Education

3 credit hours

This course provides the student with an overview of the profession of music education through the study of its history, philosophy, and current methodology, climate, and trends. Ten hours of field experience are required.

MUED 221 Woodwind Techniques

1 credit hour

Elementary instruction in flute, oboe, clarinet, saxophone, and bassoon, including correct tone production, embouchure development, finger technique, articulation, intonation, transposition, and instrument maintenance, with a goal of teaching the instruments to beginning students and directing student ensembles.

MUED 222 Brass Techniques

1 credit hour

Elementary instruction in trumpet, horn, trombone, baritone, and tuba, including tone production, posture, breathing, and articulation, with a goal of teaching the instruments to beginning students and directing student ensembles.

MUED 223 Percussion Techniques

1 credit hour

Elementary instruction in snare drum, timpani, and other percussion instruments, with a goal of teaching the instruments to beginning students and directing student ensembles.

MUED 224 String Techniques

1 credit hour

Elementary instruction in violin, viola, cello, and bass, including tuning, bowing, fingering, knowledge of posture, and care of instruments, with a goal of teaching the instruments to beginning students and directing student ensembles.

MUED 301 Elementary Music Methods

3 credit hours

This course is designed to prepare students for teaching music to children in grades K–6. Emphasis is placed on developing a philosophy of music education that considers the developmental needs of children as foundational in the process of teaching music concepts. The course consists of lectures, teaching demonstrations, peer teaching, music classroom observations, a review of music education literature, and the development of a teaching portfolio. Students will develop skills in teaching music that incorporate singing, movement, playing instruments, listening, creating, and writing. Prerequisite: MUED 201.

MUED 302 Instrumental Music Methods

3 credit hours

This course is designed to prepare music education students to apply the knowledge and skills they have learned in music theory, history, conducting, performance, and education courses to the study of instrumental music education so they are able to provide effective instruction. Ten hours of field experience are required. Prerequisite: MUED 201, MUED 221, MUED 222.

MUED 303 Choral Music Methods

3 credit hours

The study of methods of teaching choral music for elementary, middle-level, and high school music educators. The course is designed to help pre-professional music educators gain the necessary tools to be successful in teaching K–12 music. Ten hours of field experience are required. Prerequisite: MUED 201, MU 251 and admission to the teacher education program.

MUED 401 School Music Administration

2 credit hours

This course is a study of the organizational structure and administrative functions music teachers need for delivery of PreK–12 music programs. Course topics include music education philosophy, assessment and evaluation techniques, classroom management, curriculum development and evaluation, advocacy, and administrative and leadership issues. Prerequisite: MUED 201 and admission to the teacher education program.

MUED 451 Student Teaching Seminar

0 credit hours

Student Teaching Seminar is a noncredit course designed to assist student music teachers, who participate in a discussion forum with other pre-professionals to address issues, experiences, problems, and questions that arise during student teaching. Topics of discussion include classroom management, teaching strategies, successes, challenges, etc. This course is taken during the student teaching semester.

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 zero hours (although certain programs require them to be taken for credit-check program requirements). (Note: all music ensembles are offered every fall and spring.)

MU 221 Drumline

0-1 credit hour

A chamber ensemble that performs at a variety of gigs, both on and off campus, using marching percussion instruments. Rehearses for 2 hours per week. Open to all students. Prior musical experience is recommended, but not necessary.

MU 222 Percussion Ensemble

0-1 credit hour

A chamber ensemble that prepares percussion ensemble music for performance on a concert once per semester. Typically rehearses 2-3 hours per week, depending on the number of pieces being prepared. Open to all students with the permission of the instructor.

MU 224 Low Brass Ensemble

0-1 credit hour

A chamber ensemble of low brass instruments. Rehearses 1 hour per week and performs a recital each semester. Open to all students with the permission of the instructor

MU 227 Concordia Ringers

0-1 credit hour

Concordia Ringers is an intermediate handbell choir and prepares beginning and intermediate music from standard handbell literature. The ensemble performs in Concordia chapel services, local church services and concerts on and off campus. Prior ringing experience is not required, but members must be able to read music. Rehearses two 50-minute periods per week. Open to all students by audition.

MU 230 Auditioned Choir Block

0-1 credit hour

This course serves as a placeholder in new student schedules until choral auditions are held, typically a few days before fall classes begin. New students auditioning for Cantamus, Male Chorus, or the A Cappella Choir will be registered for this course until the ensemble rosters have been set.

MU 232 Male Chorus

0-1 credit hour

The Male Chorus numbers 25 to 30 members and performs sacred and secular choral music for male voices from early historical periods to the present. Performance venues include Concordia chapel services, local church services, the annual Christmas at Concordia concerts, a spring concert, and occasional events on and off campus. Male Chorus may occasionally combine with Cantamus to give students a mixed choir experience. Rehearses three 50-minute periods per week. Open to all male voices by audition.

MU 233 Cantamus

0-1 credit hour

Cantamus numbers 45 to 55 members and performs sacred and secular choral music for treble voices from early historical periods to the present. The name Cantamus, Latin for “we sing,” represents the importance of singing together as with one voice, sharing our common faith and experiences through song. Performance venues include Concordia chapel services, local church services, the annual Christmas at Concordia concerts, a spring concert, and occasional events on and off campus. Cantamus may occasionally combine with Male Chorus to give students a mixed choir experience. Rehearses three 50-minute periods per week. Open to all treble voices by audition.

MU 234 Mixed Chorus

0-1 credit hour

The Mixed Chorus is an SATB choir that performs easy to medium sacred choral literature, with a focus on the development of vocal technique. Performance venues include Concordia chapel services and local church services and a concert each semester with other ensembles. Rehearses one evening per week. No audition is required.

MU 236 University A Cappella Choir

0-1 credit hour

The University A Cappella Choir is the concert choir of the university and the premier choral ensemble. Repertoire for the 72-voice select mixed choir is chosen from the entire spectrum of choral music, including new works by local and regional composers and music from a variety of cultures. The choir maintains a rigorous rehearsal and concert schedule, touring nationally and internationally. Rehearses five 50-minute periods per week, with additional sectional rehearsals. Open to all students by audition.

MU 237 University Chamber Choir

0-1 credit hour

The University Chamber Choir is a 16-voice select choir that sings a diverse repertoire of choral chamber music and vocal jazz. The group tours regionally and nationally. Members are chosen from the University A Cappella Choir. Rehearses two 50-minute periods per week, with additional sectional rehearsals.

MU 241 University Wind Symphony

0-1 credit hour

The University Concert Band is the university’s premier instrumental ensemble. Repertoire is chosen from the entire spectrum of wind ensemble and concert band literature and includes both traditional repertoire and newly composed works. The University Wind Symphony keeps an active rehearsal schedule and tour both regionally and nationally. Rehearses three days per week for a total of five hours. Open to all students by audition.

MU 242 University Band

0-1 credit hour

The University Band performs a diverse array of sacred and traditional band repertoire. Membership is open to all Concordia students and members of the community. The group rehearses one evening per week. University Band is an open enrollment ensemble with auditions conducted for placement within each section.

MU 243 Bulldog Band
0-1 credit hour
A highly spirited athletic band that supports and enriches the Concordia community through regular performances at football, basketball, and volleyball games. Rehearses for one hour per week

MU 244 Brass Ensemble

0-1 credit hour

A chamber ensemble that performs music appropriate for the brass idiom. Rehearses one 50-minute period per week and performs for chapel, worship services and off-campus events. Membership is by audition.

MU 245 Small Ensemble

0-1 credit hour

Small ensembles comprise instruments and/or voices. They are offered occasionally as interest dictates. Most groups rehearse for one hour per week. Open to all students with the permission of the instructor.

MU 246 Jazz Ensemble

0-1 credit hour

The Jazz Ensemble performs music from the big band era to the latest jazz fusion charts. Performance venues include campus events, school assemblies, and off-campus concerts. Open to all students by audition.

MU 247 Concordia Handbell Choir

0-1 credit hour

Concordia Handbell Choir features more advanced ringers and prepares intermediate and advanced music from standard handbell literature. The ensemble performs in Concordia chapel services, local church services and concerts on and off campus. Prior ringing experience is required. Rehearses two 50-minute periods per week. Open to all students by audition.

MU 248 University Orchestra

0-1 credit hour

The University Orchestra performs music for string ensemble and full orchestra. Rehearses for two 50- minute periods each week. Open to all students, with auditions for placement held at the start of each semester.

PHILOSOPHY

PHIL 100 Ethical Foundations for Life

3 credit hours

A review and study of the history and literature of sacred texts that provide the foundation for Western Cultural, religious and faith understandings with an emphasis on summarizing and communicating their major themes.

PHIL 210 Epistemology, Worldviews and the Search for Meaning

3 credit hours

A study of the Western cultural, religious, and faith understandings that informs the person to serve in faith communities within the family, the community, and the world. Particular attention will be given to such topics but not limited to worldview, vocation, faith heritage, stewardship, ethics and select contemporary issues. Prerequisite: Successful completion of PHIL 100 or permission of the department chair. Same as THEO 210.

PHIL 301 Concepts in Philosophy

3 credit hours

A general orientation in the field of philosophy through consideration of its major types and problems. Emphasis upon the practice of critical thinking and an appreciation of the greater thought systems of history.

PHIL 311 History of Philosophical Thought I

3 credit hours

The course is an introduction to and a review of the development of western philosophy from the Pre-Socratics through William of Ockham, and an introduction to the process of philosophical investigation. The course treats especially the impact of the philosophical tradition on the development of Christian theology.

PHIL 312 History of Philosophical Thought II

3 credit hours

An introduction to Western philosophy beginning with Descartes and British empiricism, an introductory treatment of Immanuel Kant and the thinkers of the Nineteenth Century, an introductory engagement with Martin Heidegger, existentialism and other Twentieth Century thinkers and a basic introduction to postmodern philosophy.

PHIL 499 Honors Course

3 credit hours

The course is designed to offer some flexibility for the student wishing to accomplish a minor in philosophy. By agreement with the department the student can accomplish a semester focus on a particular philosopher or school of philosophy or issue in philosophy. The student can fulfill this course also by work in their major department on a topic or school of thought that investigates philosophical underpinnings and questions pertinent to their major discipline, e.g., philosophy of science, philosophy in literature, philosophical theology, etc. This option should be undertaken by mutual agreement of both the philosophy instructor(s) and the pertinent department instructor and their departments.

PHYSICS

PHYS 109 Introductory Physics

3 credit hours

A conceptual introduction to the principles of mechanics, waves, electricity, and light, exploring how the laws and theories of physics help us understand the natural world. We study God's creation while equipping students to understand everyday physical phenomena. Not intended for students who have taken high school physics.

PHYS 110 Principles of Physics

4 credit hours

Lecture 3, Lab. 2. A study of general physics through experiments, lectures and discussion. Science as a way of knowing — Scientific methodology and practice; mechanics of particles and of waves; momentum, energy and conservation laws; thermodynamics; electricity and magnetism; light; relativity and quantum mechanics.

PHYS 111 General Physics I

4 credit hours

Lecture 3, Lab. 2. Experiments, lectures and discussions to reveal the sensibleness of nature via mechanics of particles and waves as models, relativity and conservation laws, momentum and energy, and the nature of scientific inquiry using the mathematics of algebra and trigonometry. Prerequisites: PHYS 109 or a year of high school physics; MATH 132 or higher math course or two years of high school algebra.

PHYS 112 General Physics II

4 credit hours

Lecture 3, Lab. 2. Continuation of PHYS 111 with special emphasis on electricity and magnetism, light, and relativity and their relation to conservation principles and current scientific explanation. Prerequisite: PHYS 111 or equivalent.

PHYS 211 General Physics I Calculus Topics

1 credit hour

Lecture 1. A calculus-based treatment of topics covered in PHYS 111. Enrollment in PHYS 211 and PHYS 111 is equivalent to taking a calculus-based general physics course. Prerequisites: PHYS 111 or concurrent registration. MATH 184 or concurrent registration with instructor's permission.

PHYS 212 General Physics II Calculus Topics

1 credit hour

Lecture 1. A calculus-based treatment of topics covered in PHYS 112. Enrollment in PHYS 212 and PHYS 112 is equivalent to taking a calculus-based general physics course. Prerequisites: PHYS 112 or concurrent registration. MATH 186 or concurrent registration with instructor's permission.

PHYS 221 Statics

3 credit hours

The study of forces on bodies in equilibrium. Force systems, equilibrium, structures, trusses, frames and machines, distributed forces, beams, friction, centers of mass and moments of inertia. Prerequisites: MATH 186, PHYS 111 or equivalent.

PHYS 321 Introductory Mechanics

3 credit hours

Lecture 3. Calculus treatment of the motion of particles and rigid bodies using Newtonian force methods: non-inertial reference frames, classical mechanics, relativistic laws of motion of a particle. Prerequisites: calculus and PHYS 111 or permission of instructor, PHYS 381 is recommended.

PHYS 331 Descriptive Astronomy

3 credit hours

Lecture 3. See SCI 331.

PHYS 351 Classroom Activities with Physical Science

3 credit hours

Lecture 1, Lab. 4. See SCI 351.

PHYS 353 Thermodynamics

3 credit hours

See CHEM 353.

PHYS 354 Quantum Mechanics

3 credit hours

See CHEM 354.

PHYS 355 Physical Chemistry Laboratory

1 credit hour

Lab. 3. Same as CHEM 355.

PHYS 356 Physical Chemistry Laboratory II

1 credit hour

Lab. 3. Same as CHEM 356.

PHYS 371 Electronics

3 credit hours

Laboratory approach to the study of integrated circuits and transistors. Classroom component for supporting theory. Prerequisites: Calculus and General Physics II.

PHYS 381 Modern Physics

3 credit hours

Lecture 3. Physics of the 20th century. Relativity, the wave–particle duality, atomic models, the quantum theory. Prerequisites: General Physics and Calculus.

PHYS 382 Advanced Physics Lab. I, II, III

1 credit hour

Lab. 3. Selected experiments in modern physics requiring library research. Prerequisite: PHYS 381 or concurrent registration. May be taken more than once.

PHYS 383 Introduction to Nuclear and Particle Physics

3 credit hours

Study of nuclear radiations, nuclear structure and models, and the energetics of sub-atomic particle interactions. Prerequisite: PHYS 112 and 381, Calculus or concurrent registration, or permission of instructor.

PHYS 390 Electricity and Magnetism

3 credit hours

Study of electrical and magnetic phenomena and their understanding through models and formulation. Prerequisite: PHYS 112 and MATH 186 or equivalent, PHYS 381 is recommended.

PHYS 395 Advanced Topics in Physics Seminar

3 credit hours

Advanced study of the concepts and techniques of an area of physics important to the field and outside the content of other physics courses. Specific topics will be determined by the instructor and the students, and may include Quantum Mechanics, Thermodynamics, Optics, Astrophysics, or Atomic Physics. Prerequisites: Upper-level standing in physics or physical sciences, or approval of the instructor.

PHYS 399 Research in Physics

2 credit hours

Capstone course in physics. Students perform supervised independent research in physics and also learn about issues related to the profession. Prerequisites: PHYS 381 and 382 and permission of the instructor.

PHYS 498 Physics Internship

1-3 credit hours

Students gain experience in a physics related field by working in an internship position under the direct supervision of a physicist and/or an engineer. Students should consult the physics faculty and the director of career planning and placement and also pick up a copy of the guidelines and internship forms from the Office of Career Planning and Placement. Prerequisites: PHYS 111, PHYS 112, PHYS 381, PHYS 382, minimum junior standing and permission of the physics faculty.

POLITICAL SCIENCE

PS 111 American Government

3 credit hours

An analysis of the U.S. political system and its operation, with emphasis on the national level; constitutional basis of the system, civil rights and liberties, major branches of government, political parties, interest groups, elections, policies and policy making.

PS 211 Global Issues

3 credit hours

A systematic, interdisciplinary analysis of significant contemporary global problems, with focus on their origins, their consequences, and approaches to their resolution. Examination of these issues from the perspective of Christian social principles. Emphasis on the servant–leader growing in awareness and commitment.

PS 311 American Foreign Relations

2 credit hours

See HIST 311.

PSYCHOLOGY

PSY 101 Introduction to Psychology

3 credit hours

The course is a survey of psychology as a natural science and a social science. As a study of human behavior and the mind, the course examines current sub-areas of psychology with attention to neurology, the environment, situation and experience, and the self. Throughout the content, the course also considers how presuppositions in philosophy and theology intersect, integrate, and conflict with views on the human condition.

PSY 205 Adult Development and Aging

3 credit hours

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

PSY 211 Child Development and Psychology

2 credit hours

An in-depth study of factors influencing the development and behavior of children from conception through adolescence. Prerequisite: sophomore standing.

PSY 212 Child Development and Psychology: Young Children

1 credit hour

An intense study of the preschool–age child in twelve key areas of development. Involves weekly observations of a preschool child in a childcare setting. Thirteen hours of field experience required. Prerequisite: PSY 211 or take simultaneously, and sophomore standing. Open to education and psychology majors only or with instructor permission.

PSY 221 Lifespan Development

3 credit hours

This course will address the entire range of the human life chronologically from the moment of conception through death focusing on the physical, cognitive, social and personality development of each chronological period. Basic theories, research findings, and practical applications will be discussed.

PSY 222 Statistics in the Social Sciences

3 credit hours

This course is an introduction to statistical skills used in the social sciences, including basic quantitative data analysis for frequency distributions, sampling distributions, t tests, analysis of variance, correlation, regression, and non-parametric statistics. Considerable attention is given to applying statistical concepts to real-world scenarios, selecting appropriate statistical tests for a research problem, making data-informed decisions, and developing proficiency with statistical writing published in peer-reviewed, empirical sources..

PSY 241 Child Psychology

3 credit hours

Addresses the development of the child from conception to adolescence focusing on the physical, cognitive, social and personality development of childhood. Basic theories, research findings, and practical applications will be discussed.

PSY 290 Health Psychology

3 credit hours

Health Psychology is the study of how biology, behavior, and social context influence health and illness. The course will examine the contributions of psychological research to the understanding, prevention, and treatment of a variety of health concerns. The biopsychosocial–spiritual model will be emphasized, which entails the study of how social, emotional, behavioral, biological, and spiritual factors influence health. The specific topics may include injury, stress, pain management, addictions, patient–physician/practitioner relations, and chronic illnesses such as Alzheimer's, diabetes, and AIDS. Prerequisite: PSY 101. Same as HHP 290.

PSY 295 Psychology of Exercise

3 credit hours

This course will cover: (a) psychological theories for understanding and predicting health-oriented exercise behavior. (b) psychological and psychobiological responses to exercise; (c) psychological interventions for increasing exercise participation and adherence. Prerequisite: PSY 101. Same as HHP 295.

PSY 306 Introduction to Psychological and Social Research

3 credit hours

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; PSY 222 or MATH 122. Same as SOC 306.

PSY 341 Group Techniques

3 credit hours

A seminar–laboratory approach for the study of group work and the group process as they apply to the self, the classroom, youth work, business, and society. Psychology majors should take PSY 101 before PSY 341.

PSY 345 Social Psychology

3 credit hours

Social influences on the social and psychological development of the individual; the interaction process, role relationships, development of beliefs and attitudes, dynamics of social groups. Same as SOC 345. Prerequisite: PSY 101 or SOC 101

PSY 365 Memory and Cognition

3 credit hours

An introduction to basic models, methods of research, and findings in the fields of memory, problem solving, and language. The objective is to apply knowledge of cognitive processes to a variety of situations including organizational and educational settings. Both applications and theory are explored. Prerequisite: PSY 101. upper- level standing. Junior or Senior

PSY 375 Sensation and Perception

3 credit hours

This course is an in-depth study of the human senses. You will develop an appreciation of the remarkable ways in which sensory systems give rise to perceptual experience. A basic knowledge of sensory impairments, of diseases and vulnerabilities of sensory systems, and of the limitations and inaccuracies of sensory judgments will be explored. Both applications and theory are explored. Prerequisite: PSY 101. Sophomore level or higher.

PSY 385 Psychological and Sociological Analysis of Modern Literature

3 credit hours

See ENG 385.

PSY 402 Social Gerontology

3 credit hours

Social gerontology is the study of the nonphysical aspects of human aging and includes the psychological, social psychological and social aspects of aging. Social gerontology integrates scientific knowledge about social policy and professional practice into the knowledge base created by basic social scientific research. Course includes a review of principles of gerontological research selecting of topics from ageism, theories of development, family and relational networks, sexuality and gender, retirement and financial issues related to social development, and aging and economics. Prerequisite: PSY 205 or PSY 221.

PSY 403 Mental Health and Aging

3 credit hours

This course will provide students with a comprehensive study of mental health issues associated with aging. Issues include depression, dementia and the management of lifelong conditions in later life.

PSY 404 Health Aspects of Aging

3 credit hours

This course is designed to develop and expand knowledge and skills to understand and address contemporary health issues in aging. Reviews productive and healthy aging programs, normal aging, age correlated disease and lifespan health.

PSY 406 Applied Research

3 credit hours [Spring]

See SOC 406.

PSY 419 Death, Dying and Trauma

3 credit hours

This course examines the processes, theories and responses to individual and collective trauma, the processes and tasks of dying and the issues of death and bereavement.

PSY 421 Adolescent Psychology and Development

3 credit hours

The course presents an arranged sequence of psychological and development theories, concepts, and insights designed to inform the practitioner working with adolescents. The content and class interaction cumulatively examine adolescent behavior and belief systems. The aim is to assist the practitioner with grounded yet flexible decision–making when working with young people in the contexts of counseling, teaching, youth ministry, family, and community. Prerequisite: sophomore standing or higher.

PSY 422 Psychology and Development of the Young Adolescent

2 credit hours

The course focuses on 10- to 15-year-olds as they are beginning the transformation from childhood to adolescence. Targeted developmental areas are physical/sexual, social, spiritual, emotional, and cognitive development. Prerequisite: PSY 211 or PSY 421, or simultaneous enrollment.

PSY 442 Introduction to Counseling

3 credit hours

This introductory course is designed to assist the student to 1) reflect upon attitudes as a helping person 2) increase ability to use a problem management model 3) acquire the various skills that undergird an effort to effectively listen and respond to another person and 4) develop a personal philosophy of helping. Prerequisites: PSY 101 and upper-level standing.

PSY 445 Abnormal Psychology

3 credit hours

Reviews theories and methods which underlie the classification and study of as well as responses to abnormal behavior. Prerequisites: PSY 101 and upper-level standing.

PSY 446 Case Studies in Abnormal Psychology

1-3 credit hours

In-depth studies of individuals who live with mental illness will be conducted using auto-biographical accounts of their lives. Students will be required to use knowledge learned in all previous psychology courses (especially PSY 445) to participate in discussions and to complete assignments. Prerequisite: PSY 445.

PSY 451 Personality Theory

3 credit hours

A study of the dynamic organizations within the human organism of those psychophysical systems that determine the individual's unique adjustments to his/her environment. Empirical and speculatory 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 471 Intro to Neuroscience

3 credit hours

This course is a basic introduction to neuroscience. Students will learn fundamental information about the cellular biology and electrophysiological properties of neurons, neuroanatomy, psychoneuroimmunology, psychopharmacology, and how the activity of neurons can yield sensory perception, motor control, and complex behavioral/psychological functions such as learning and motivation. Both applications and theory are explored. Prerequisite: PSY 101, 3 and upper-level standing. Sophomore and above.

PSY 481 Internship in Psychology

1-3 credit hours

The internship in psychology is a planned and supervised educational experience which integrates the knowledge and theory of psychology gained through course work with field experience. Students reflectively observe professionals in the field and participate in meaningful and appropriate ways in the work at hand. Prerequisite: advisor's recommendation, upper-level standing. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

PSY 490 Capstone Seminar

3 credit hours

The Capstone seminar provides students with the opportunity to integrate and apply learning from their entire college experience. Students will develop and complete a project in conjunction with the course instructor or other approved mentor. Approved projects will require students to use skills, methodology and knowledge to address important issues, explore key arguments, and critique common practices germane to their academic discipline. Internships and fieldwork experiences may also be acceptable projects. The course will also prepare students for the transition from college to graduate/professional school. Prerequisite: senior standing.

PSY 495 Neurocognition

3 credit hours

A study of the structure and function of the brain as the biological basis of human thinking; the methods used to examine the relationship between the mind and the brain; the neurological processes of perception, attention, memory, language, mental representation, and decision-making. Prerequisites: PSY 101, BIO 110, 111 or 112, and upper-level standing.

PSY 499 Psychology Honors

1 credit hour

Arranged for qualified students to conduct research, present research or to assist faculty in psychology related endeavors.

RELIGION

REL 121 History and Literature of the Old Testament

3 credit hours

A historical and theological survey of the Old Testament era and the Old Testament writings with an emphasis on summarizing and communicating their major themes.

REL 131 History and Literature of the New Testament

3 credit hours

A historical and theological survey of the New Testament era and the New Testament writings with an emphasis on summarizing and communicating their major themes.

R.O.T.C.

R.O.T.C. courses may be held on UNL's main campus in Lincoln.

AERO 185/185L Foundation of the United States Air Force I/Leadership Lab

1/0 credit hour

Officership, communication skills, opportunities, and benefits in today's U.S. Air Force. A weekly one and one-half hour Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

AERO 186/186L Foundation of the United States Air Force II/Leadership Lab

1 credit hour

Communication and leadership skills, US Military history, and the organizational structure of today's US Air Force. A weekly one and one-half hour Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

AERO 295/295L The Evolution of US Air and Space Power I/Leadership Lab

1 credit hour

Prerequisite: AERO 186 or permission. History of the development and deployment of airpower from the Wright Brothers' first flight to the Persian Gulf War and how the events were affected by technology, politics, doctrine, and geography. Emphasizes U.S .airpower. Lab introduces cadet leadership training with practical experience.

AERO 296/296L The Evolution of US Air and Space Power II/Leadership Lab

1 credit hour

Prerequisite: AERO 295 or permission. History of the development and deployment of airpower from the Wright Brothers' first flight to the Persian Gulf War and how the events were affected by technology, politics, doctrine and geography. Emphasizes US airpower. Lab continues activities of 295L.

AERO 331/331L Air Force Leadership Studies I/Leadership Lab

3 credit hours

Prerequisite: Permission of professor of aerospace studies. Communications skills, leadership, quality initiatives, and human relations. Requires cadet research and participation in the instructional process. Lab includes practical application of the principles of leadership in the operation and administration of the cadet wing.

AERO 332/332L Air Force Leadership Studies II/Leadership Lab

3 credit hours

Prerequisite: AERO 331, or permission of professor of aerospace studies. Principles of leadership, professionalism, ethics, communications skills, and problem solving, including quality leadership applications. Lab continues activities of 331L.

AERO 441/441L National Security Affairs and Preparation for Active Duty I/Leadership Lab

3 credit hours

Prerequisite: AERO 331, 332, or permission of professor of aerospace studies. Environment in which defense policy is formulated. Requisites for maintaining adequate national security forces; political, economic, and social constraints of the national defense structure; and the overall defense policymaking process. Lab continues activities of 332L.

AERO 442/442L National Security Affairs and Preparation for Active Duty II/Leadership Lab

3 credit hours

Prerequisite: AERO 331, 332, and 441 or permission of professor of aerospace studies. The armed forces as an integral element of society; the broad range of civil–military relations. The role of the professional officer in a democratic society, the socialization process within the armed services, and the military justice system. Lab continues activities of 441L.

MLSC 101/101L Foundations Officership/Leadership Lab I

1 credit hour

Issues and competencies central to a commissioned officer's responsibilities. Understanding officership, leadership, Army values and life skills, such as physical fitness and time management. Lab includes challenging, rewarding, and practical activities in military skill development. Development of confidence and learning the importance of teamwork in goal accomplishment. Rappelling, land navigation and map reading, marksmanship, survival training, personal defense activities, survival swimming, military weapons, military drill, cardiopulmonary resuscitation and first aid.

MLSC 102/102L Basic Leadership/Leadership Lab II

1 credit hour

Foundations of leadership: problem solving, communications, military briefings, effective writing, goal setting, physical well–being, techniques for improving listening and speaking skills and counseling. Lab continues activities of Lab I.

MLSC 201/201L Individual Leadership Studies/Leadership Lab III

2 credit hours

Introduction to replicating successful leadership characteristics through observations during experiential learning exercises. Record characteristics, discuss them in small group settings and

use them in subsequent activities. Practice communications skills necessary for leadership roles, especially in military environments. Lab parallels Lab I with possible leadership roles within the Cadet Corps.

MLSC 202/202L Leadership and Teamwork/Leadership Lab IV

2 credit hours

Building successful teams, methods to influence group actions, effective communications within groups, creativity in problem solving and how to motivate subordinates and peers. Using these skills in the context of military environments, such as while performing land navigation and infantry tactics. Lab continues activities of Lab III.

MLSC 301/301L Leadership and Problem Solving/ Leadership Lab V

3 credit hours

Conduct self-assessments of leadership style, develop a personal fitness regimen, and plan and conduct individual/small unit tactical training, while testing reasoning and problem-solving techniques. Direct feedback on leadership abilities. Lab includes leadership positions in the cadet corps, tactics and weapons training, preparation for final year.

MLSC 302/302L Leadership and Ethics/Leadership Lab VI

3 credit hours

Role of communications, values and ethics in effective leadership. Ethical decision making, consideration of others, spirituality in the military and Army leadership doctrine. Improve oral and written communication abilities. Lab continues activities of Lab V.

MLSC 401/401L Leadership and Management/Leadership Lab VII

3 credit hours

Proficiencies in planning and executing complex operations, functioning as a member of a staff and mentoring subordinates. Training management, methods of effective staff collaboration, and developmental counseling techniques. Lab includes practice through developing, planning, and conducting leadership labs.

MLSC 402/402L Officership/Leadership Lab VIII

3 credit hours

Case study analysis of military law and practical exercises in establishing an ethical command climate. Complete a semester–long Senior Leadership Project that requires plan, organize, collaborate, analyze and demonstrate leadership skills. Lab continues activities of Lab VII.

SCIENCE

SCI 202 Science of Everyday Things

3 credit hours

Study of the science of everyday things using topics like color, kinetic theory, and buoyancy to illustrate scientific processes and model-building. Students will develop skills to apply scientific concepts to everyday questions and effectively communicate scientific ideas. Prerequisite: A course in both Chemistry and Physics at either the High School or College level.

SCI 230 Introduction to Forensic Science – Lecture

3 credit hours

Lecture 3. Survey of the application of science to the law. Topics include pathology, anthropology, chemical analysis of drugs and other evidence, DNA, ballistics, and crime scene investigation.

SCI 231 Introduction to Forensic Science – Lab

1 credit hour

Lab. 2. Selected introductory laboratory applications in forensic science. Prerequisites: SCI 230 or concurrent registration.

SCI 250 Special Topics in Science

0-4 credit hours

This course offers students the opportunity to take classes in special topic areas in biology, chemistry, physics, agricultural science, environmental science, or an interdisciplinary science area. Courses are offered by faculty members with interest and experience in the special topic area. Topics announced in the semester before their offering. Course title and credit hours will vary according to the topic of focus. May be repeated for credit with different topics. Prerequisite: Sophomore standing or instructor permission. Additional prerequisites for specific course sections as determined by the instructor.

SCI 281 Physical Geography

4 credit hours

Lecture 3, Lab. 2. See GEOG 281.

SCI 282 Geology

3 credit hours

A survey of the structure, materials, and processes of Earth's crust and interior; identification of common rocks and minerals. Laboratory fee. Prerequisite: A course in both Chemistry and Physics at either the High School or College level. Same as GEOG 282.

SCI 315 Environmental Science

3 credit hours

See GEOG 315.

SCI 330 Advanced Forensic Science

3 credit hours

Lecture 2, Lab. 2. An advanced course focusing on the basic and applied science aspects of forensic science and criminalistics. Prerequisites: a grade of C- or higher in BIO 111 or 112; SCI 230 and SCI 231.

SCI 331 Descriptive Astronomy

3 credit hours

Introductory study of what is known about the universe and how this knowledge is gained. Prerequisite: H.S. physics or equivalent. Same as PHYS 331.

SCI 351 Classroom Activities in Physical Science

3 credit hours

Lecture I, Lab. 4. Practical guidance and experience in the planning, preparation and execution of educational activities in introductory physical science, chemistry and physics. Useful for all levels with special emphasis on grades 7–12. Same as PHYS 351.

SCI 365 Science and Society

1 credit hour

Lectures and periodical readings on recent and current science topics of interest to the "layman." Science topics chosen for their impact on the individual and on society. Moral and religious implications of ideas and scientific advances are explored. PP/F Prerequisite: Junior or Senior standing.

SCI 381 Meteorology

3 credit hours

See GEOG 381.

SCI 490 Science Ethics

3 credit hours

This course will examine the moral codes and ethical decisions involved when working as a professional scientist. Real world case studies and hypothetical scenarios will be used to challenge the student's thinking and decision making. Prerequisites: upper- level standing, and major or minor in Science area.

SERVICE LEARNING

SL 370 Leadership Lab

2 credit hours

Students explore the personal challenges and opportunities of being leaders in action. Students will discover their interpersonal, organizational, and personal development skills and strengths. Activities, assignments, and readings focus on leadership theory and practical applications. Students will execute and reflect on a leadership focused service–learning project they have proposed and developed through the S–L Resource Center. Prerequisites: junior or senior standing, declared major, approved proposal, and instructor permission are required.

SL 380 Special Topics

2-3 credit hours

Special course developed and offered to explore interdisciplinary or advanced program connections to a particular community issue or need led by faculty members with interest and experience in the special topic area. Course title and credits will vary per department focus, course objectives, and depth of service–learning experience. Prerequisites: junior or senior standing, declared major, and permission of instructor are required.

SL 390 Self-Directed Study

1-3 credit hours

Student engages in a self-directed exploration of a particular community issue or need relevant to their major or area of study. Student will develop a service–learning project proposal working with the S–L Resource Center and will then work directly with a service–learning faculty member on specific readings and other assignments to meet course objectives and student learning goals. Independent Study fees apply. Prerequisites: junior or senior standing, declared major, and approved proposal are required.

SOCIAL WORK

SW 201 Introduction to Social Work

3 credit hours

An orientation to the field and profession of social work, with emphasis on the role of the social workers. Historical and theoretical perspectives are examined, along with current trends and issues facing the profession.

SW 311 Social Work Internship I

3 credit hours

Supervised instruction to acquire skills in social work practice and to test in a field setting social work principles and practices. Students spend approximately 135 hours during the semester in this experience. Prerequisite: SW 201. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review the required process.

SW 312 Social Work Internship II

3 credit hours

A continuation of SW 311. Approximately 135 hours of supervised field experience. Prerequisite: SW 311. Students should contact the Office of Career Services to obtain the undergraduate internship/practicum packet and review required process.

SOCIOLOGY

SOC 101 Introduction to Sociology

3 credit hours

Systematic analysis of culture, society, socialization, social control, social processes, and social institutions.

SOC 201 Cultural Anthropology

3 credit hours

A survey of cultural anthropology with emphasis on culture, cultural diversity, social structure, social system components, language and communication, socio-linguistics, social control, and cultural change.

SOC 221 Social Problems

3 credit hours

Examines major social issues in America society, problems of the young and the elderly, alienation, deviant behavior, ecological problems, bureaucratic structure vis-à-vis individual freedom, and social disorganization. Prerequisite: SOC 101.

SOC 260 Criminology

3 credit hours

This course examines the theories, causes and different responses to crime. It examines crime in the U.S. and other countries from juvenile to adult crime and differences between males and females in addition to what is even considered crime. Same as CJ 260.

SOC 306 Introduction to Psychological and Social Research

3 credit hours

This course is an introduction to the philosophy, values, methodology, and objectives of psychological and social research. The main objective of this course is for the student to successfully complete a viable research proposal. Considerable emphasis is given to the following: use of the scientific method in social research; selection of a research problem; review of related literature and theories; structure of a research proposal; descriptive methods; instrument development; experimental methods; and applied research. Prerequisite: SOC 101 or PSY 101; PSY 222 or MATH 122. Same as PSY 306. See PSY 306. WI

SOC 312 Urban Sociology

3 credit hours

The structure, functioning, and traits of urban society. Urban growth, ecology, culture problems and planning. Prerequisite: SOC 101.

SOC 325 Topics in Criminal Justice/Criminology

3 credit hours

This class is designed to offer variable topics in the field of criminology or criminal justice. Topics will go in depth on a particular topic to expand knowledge and skill in this specific area. Further description will be given for individual topics. This class may be repeated with different topics. Same as CJ 325.

SOC 331 The Family

3 credit hours

The family as a basic social institution with special references to changing family structure and function. Special attention is given to changing social roles of family members and their impact upon other institutions such as the school and the church. Sem. I only. Prerequisite: SOC 101.

SOC 333 Social Gerontology

3 credit hours

Social gerontology is the study of the nonphysical aspects of human aging and includes the psychological, social psychological and social aspects of aging. Social gerontology integrates scientific knowledge about social policy and professional practice into the knowledge base created by basic social scientific research. Course includes a review of principles of gerontological research selecting of topics from ageism, theories of development, family and relational networks, sexuality and gender, retirement and financial issues related to social development, and aging and economics. Prerequisite: PSY 205 or PSY 221. Same as PSY 402.

SOC 335 Sociology of Religion

3 credit hours

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 337 Sociology of Recreation and Sport

3 credit hours

This course aims to provide an overview of the sociology of recreation and sport. It will focus on the relationships between recreation and sport and various institutions including education, family, politics, religion, and the economy. Same as HHP 337.

SOC 345 Social Psychology

3 credit hours

Social influences on the social and psychological development of the individual; the interaction process, role relationships, development of beliefs and attitudes, dynamics of social groups. Same as PSY 345. Prerequisite: SOC 101 or PSY 101

SOC 361 Social Theory

3 credit hours

An intensive examination of selected major social theories and theorists and an introduction to the fundamentals of theory building and the evaluation of theories in the social sciences. Prerequisite: SOC 101.

SOC 406 Applied Research

3 credit hours

This seminar is designed to integrate the student's past course work in psychology and sociology in an effort to focus specifically on a current social problem or issue. The main objective of this course is for the student to successfully complete a research project based on the research proposal developed in PSY/SOC 306. Considerable emphasis is given to the following: structure of a research report; data collection; data analysis; data interpretation; contribution to or support of related literature and theories; and presentation and publication of findings. Prerequisite: Psychology and/or Behavioral Science Major; successful completion (grade of C or higher) of PSY/SOC 306. Same as PSY 406.

SOC 414 Social Policy, Programs, & Services

3 credit hours

Explores current social welfare issues in the context of history and the underlying rationale and values that support different approaches. Emphasis is placed on major fields of social service such as: health care, mental health, child welfare, corrections, and services to the elderly. These frameworks identify strengths and weaknesses in the current social welfare system with respect to multiculturalism and diversity; social justice and social change; behavioral and social science theory and research. Promotion, prevention, treatment, and rehabilitation programs and services are addressed in relation to diversity including ability, age, class, color, culture, ethnicity, family structure,

gender, marital status, national origin, race, religion and spirituality. Prerequisite: SOC 101 or Instructor approval.

SOC 417 Afro–American History

3 credit hours

May be taken as a sociology elective. See HIST 417.

SOC 481 Internship in Sociology

3 credit hours

The internship in sociology is a planned and supervised educational experience which integrates the knowledge and theory of sociology gained through course work with field experience. Students observe professionals in the field and participate as determined between the supervisor of that organization and the student. Students must contact the Office of Career Services to obtain the undergraduate internship/practicum packet and complete the required process. Prerequisite: upper- level standing.

SOC 490 Capstone Seminar

3 credit hours

The Capstone seminar provides students with the opportunity to integrate and apply learning from their entire college experience. Students will develop and complete a project in conjunction with the course instructor or other approved mentor. Approved projects will require students to use skills, methodology and knowledge to address important issues, explore key arguments, and critique common practices germane to their academic discipline. Internships and fieldwork experiences may also be acceptable projects. The course will also prepare students for the transition from college to graduate/professional school. Prerequisite: junior or senior standing.

SOC 499 Honors Course

1-3 credit hours

Arranged for qualified seniors.

SPANISH

SPAN 101 Beginning Spanish I

3 credit hours

Fundamentals of grammar with emphasis on speaking and listening skills, along with reading and writing. Ordinarily not open to students having had more than one year of high school Spanish. There is a small course fee for materials.

SPAN 102 Beginning Spanish II

3 credit hours

A continuation of Spanish I with increased emphasis on speaking, listening, reading and writing skills. There is a small course fee for materials. Prerequisite: SPAN 101 or equivalent.

SPAN 201 Intermediate Spanish I

3 credit hours

Continued development of the four modes of communication (speaking, listening, reading and writing). There is a small course fee for materials. Prerequisite: SPAN 102 or equivalent.

SPAN 202 Intermediate Spanish II

3 credit hours

A continuation of topics and skills studied in SPAN 201, with continued emphasis placed on communicative competence. There is a small course fee for materials. Prerequisite: SPAN 201 or equivalent.

SPAN 203 Intensive Conversation

3 credit hours

A course in intensive conversation in Spanish, supported by study of vocabulary, reading, grammar review, and discussion and presentations in class on selected themes. Prerequisite: SPAN 202 or permission of instructor.

SPAN 204 Intensive Composition

3 credit hours

An intensive composition course in Spanish supported by a review of grammar, vocabulary study, reading, and in-class conversation. Prerequisite: SPAN 202 or permission of instructor.

SPAN 305 Advanced Spanish Grammar and Communication

3 credit hours

A course focusing on advanced grammatical features of Spanish. Emphasis also placed on utilizing the topics of study in conversation and other interactive activities. Prerequisite: SPAN 203 or 204 or permission of the instructor.

SPAN 307 Spanish Intensive Language Seminar

3 credit hours

An intensive course that covers a comprehensive review of all major grammatical concepts as well as in-depth study of a Spanish novel. Emphasis placed on in-class discussion and interaction. Prerequisites: SPAN 203 and 204.

SPAN 321 Spanish Civilization and Culture

3 credit hours

This course explores the history, culture and civilization of Spain. The course is taught in Spanish. Prerequisite: SPAN 202.

SPAN 331 Latin American Culture

3 credit hours

A historical examination of the development of Latin American societies along with a study of major cultural characteristics of modern Latin American societies. The course is taught in Spanish. Prerequisite: SPAN 202 or above.

SPAN 341 Introduction to Hispanic Literature

3 credit hours

An introductory reading course in literature (short story, poetry, novel) of Spanish–speaking countries. Prerequisite: SPAN 203 and 204 or permission of instructor.

SPAN 342 Introduction to the Analysis of Hispanic Literature

3 credit hours

An introduction to the analysis of literature (narrative, poetry, drama) of Spanish–speaking countries. Prerequisite: SPAN 341 or permission of instructor.

SPAN 397 Special Topics in Spanish

1-3 credit hours

This course offers students the opportunity to study special topics in the Spanish language. Course title and credit hours will vary according to the topic of focus. May be repeated for credit with different topics. Prerequisite: Successful completion of SPAN 305 and SPAN 307 or instructor permission.

SPAN 398 Spanish Internship

3 credit hours

Students teach Spanish under the supervision of a university supervisor in settings that require application of skills and principles developed in the Modern Languages education curriculum.

SPAN 399 Independent Study

1-6 credit hours

Topic or program hours by arrangement.

THEOLOGY

THEO 210 Faith and Life

3 credit hours

This course examines the implications of Lutheran Christian theology for an understanding of vocation at both the personal and corporate levels. The emphasis of the course is on the application to life of biblically based Lutheran theology. Topics to be explored will include but will not be limited to: a survey of the Reformation era, the proper distinction between Law and Gospel, two-kingdoms theology, the priesthood of all believers, vocation, stewardship, ethics, and select contemporary issues in Christian theology. Prerequisites: Fulfillment of the Biblical Literacy component of General Education. Same as PHIL 210.

THEO 241 Interpretation of Selected Old Testament Prophetical Books

3 credit hours

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on selected Old Testament prophetical books. Prerequisite: REL 121.

THEO 242 Interpretation of Selected Psalms

3 credit hours

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on selected Psalms. Prerequisite: REL 121.

THEO 251 Interpretation of Selected Pauline Epistles

3 credit hours

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on selected Pauline Epistles. Prerequisite: REL 131.

THEO 252 Interpretation of the Gospels

3 credit hours

Particular attention is given to developing interpretative skills and preparing devotions. This course focuses attention on the Gospels. Prerequisite: REL 131.

THEO 331 Studies in the Life of Christ

3 credit hours

The setting, activity, significance, and evaluation of the person and work of Jesus on the basis of Scripture, historical literature, and recent scholarship. Prerequisite: REL 131.

THEO 361 Doctrine and Confessions I

3 credit hours

This course examines Lutheran doctrine and applies it to the work, worship, and life of the Christian community. The topics are the nature and authority of Scripture, the nature of God, creation, the nature of man under grace and law, and the person and the work of Christ. Prerequisites: THEO 241 or 242 or 251 or 252 and upper-level standing.

THEO 362 Doctrine and Confessions II

3 credit hours

This course examines Lutheran doctrine and applies it to the work, worship, and life of the Christian community. The topics are the Church's mission and ministry, the means of grace (Word and Sacraments), the person and work of the Holy Spirit, justification, the Church, Christian living, predestination, and eschatology. Prerequisites: upper-level standing; THEO 361 or permission of chairman.

THEO 371 History of Christian Thought

3 credit hours

A study of major events and controversies in Western Christianity. The creeds, teachings which resulted, and the personalities which significantly influenced the formation of Christian thought are studied on the basis of original texts in translation.

THEO 375 Christian Denominations and Religious Movements

3 credit hours

This course is a comparative study of the major Christian denominations and religious movements which focuses on Biblical, religious, and theological emphases, organizational polity, cultural and historical backgrounds, and analyzes these aspects and contributions to ethnicities, cultures, religion and social dynamics within the world.

THEO 381 Christian Teacher's Ministry

2 credit hours

The course applies Biblical and theological principles of vocation, ministry, and the two kingdoms to the teacher of the church and the priesthood of all believers. Study of Scripture, standard historical documents, and current practice in calling, placement, and congregational life focuses on the identity of the teaching minister in parochial education and the Christian teaching in public and private education. Prerequisite: admission to Education program.

THEO 382 Theology of Corporate Worship

3 credit hours

The shaping of a theology of corporate worship on the basis of the Scriptures and the Lutheran Confessions, with particular reference to criteria for creating and evaluating worship forms in the church today.

THEO 390 World Religions: The Gospel in a Pluralistic World

3 credit hours

A survey of major world religions, highlighting their origins, history and worldview, and assessing the impact of each upon world culture. Prerequisites: REL 121 and 131.

THEO 399 Independent Study in Evangelism Visitation

1 credit hour

Designed for those who will train lay people in evangelism calling. The student will attend a parish's evangelism calls training class and participate with other members in weekly calls. P/F.

THEO 418 From Exile to Christ: A Study of the Political and Theological Development in Judaism during the Intertestamental Period

3 credit hours

This course is an historical study of the Palestinian Judaism from the post–exilic period to the birth of Christ with extensive reading in intertestamental documents (Apocrypha, Dead Sea Scrolls, rabbinic sayings), noting those theological developments which prepare for the New Testament.

THEO 450 Understanding and Teaching the Bible

3 credit hours

This course gives attention to the role of the Bible in faith formation, hermeneutical principles, ways of teaching the Bible, Bible study programs, small group study, resources, and ways of promoting personal, family, and congregational involvement with the Bible. Prerequisites: REL 121 and 131 and one of the following: THEO 241, 242, 251, 252, and upper-level standing.

THEO 483 Sexuality and the Family

3 credit hours

This course develops a Christian approach to human sexuality, marriage, and the family through a study of the pertinent Biblical material. Special attention is given to developing skills, attitudes, and knowledge which can be incorporated in the Christian education programs of congregations, schools and social agencies.

THEO 489 Ministry in a Changing World

3 credit hours

This course analyzes and evaluates selected societal issues, examining and assessing how Christians as the Church are responding or might respond to them. Using theological foundations of Law and Gospel, the student will reflect thoughtfully on the character of Christian discipleship in the contemporary world and examine and refine his or her understanding of individual and corporate ministry. This course does not seek to impose ready-made answers to the issues studied, but to stimulate questions and serious reflection on the character of Christian discipleship in the face of significant social issues in today's global community. Prerequisites: REL 121 and 131; THEO 210.

THEO 499 Honors Course

1-3 credit hours [By arrangement]

Arranged for qualified seniors.

VOCATIONAL LEADERSHIP

VCLD 101 Becoming a Vocational Leader

3 credit hours

In this introductory course, first-year students connect essential habits of an effective Team Member with work, service, and learning. We will define support teams, expectations, and strategies to help each other thrive in school and work as men and women of Christ. First year students begin applying key course principles with their campus work mentor as part of our Work Learning Lab central to the program. Prerequisite: Member of the Paul Scholars Program.

VCLD 102 A Biblical View of Work, Vocation, and Faith

3 credit hours

Building upon the foundations of VCLD 101, students explore the intersection of work, vocation, service, and faith through a Biblical lens. Addressing the modern division between sacred and secular, students learn to become agents of positive change and faith in various aspects of life. The Work Learning Lab continues to provide a practical context for applying course principles within the campus workplace. Prerequisite: VCLD 101.

VCLD 201 Vocational Followership 1

3 credit hours

Students further refine their understanding of serving God's purposes in various contexts, both within the church and the broader world. Students continue building on work and vocational talents within a Team Member mindset. Emphasizing collaborative teamwork, students begin to support their peers within the leadership and vocational program and are mentored by their upper peers in this course. Students may assist in selecting the next cohort. Classroom learning is applied to work

and other experiences. Prerequisite: VCLD 102 or by permission of the director of the Paul Scholars.

VCLD 202 Vocational Followership 2

3 credit hours

Continuing their vocational journey, students develop personalized pathways for serving within their chosen professions. Guided by current and historical examples in this field, students refine their vocational styles and explore leadership roles within the program. Students partner with Senior Scholar mentors to manage events, promote the program, and prepare for off-campus work placement the following year. The Work Learning Lab remains an integral component, facilitating real-world application of course principles. Prerequisite: VCLD 201.

VCLD 301 Vocational Leadership 1

3 credit hours

This course transitions students from being a Team Member to growth as a leader within their vocation and profession. Each student is assessed and provided feedback as an emerging leader to define personal and team goals for work, service, and learning. Students explore organizational behavior and strategies for effective collaboration within diverse workplaces. Students collect and analyze workplace data to document personal and team growth in the program. As third year students, they also mentor freshmen students through their first year, helping them apply classroom learning to their Work Learning Lab experience. Prerequisite: VCLD 202 or by permission of the Paul Scholars director.

VCLD 401 Vocational Leadership 2

3 credit hours

Serving as the capstone experience of the Vocational Leadership minor, this course highlights a senior project where students analyze key leadership trends in their field. Students develop strategies to shape their workplace using their unique talents and Christian faith. Through off-site work experiences and mentorship, students refine their leadership skills and explore post-graduation vocational and career pathways. Seniors also mentor second year students in all aspects of event planning and hosting, culminating in a capstone presentation at the Spring Celebration Dinner with community partners and students from all cohorts. Prerequisite: VCLD 301.

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- Joel Helmer, Chair, Department of History, Geography, Intercultural Studies, and Modern Languages
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- Jessica Tyler, Director of Student Accounts

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- Nick Wiles, Assistant Director of Student Life
- Rebekah Freed, Campus Director of Christian Education and Housing Coordinator
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- Justin Hoffman, Assistant Director of Graduate Recruitment
- Marian Hogan, Assistant Director of Transfer and International Admissions
- Lori Johnson, Assistant Director of Undergraduate Admissions Operations

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- Scott Seevers, Senior Director of Development and Engagement

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Rev. Ryan Matthias, Campus Pastor

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