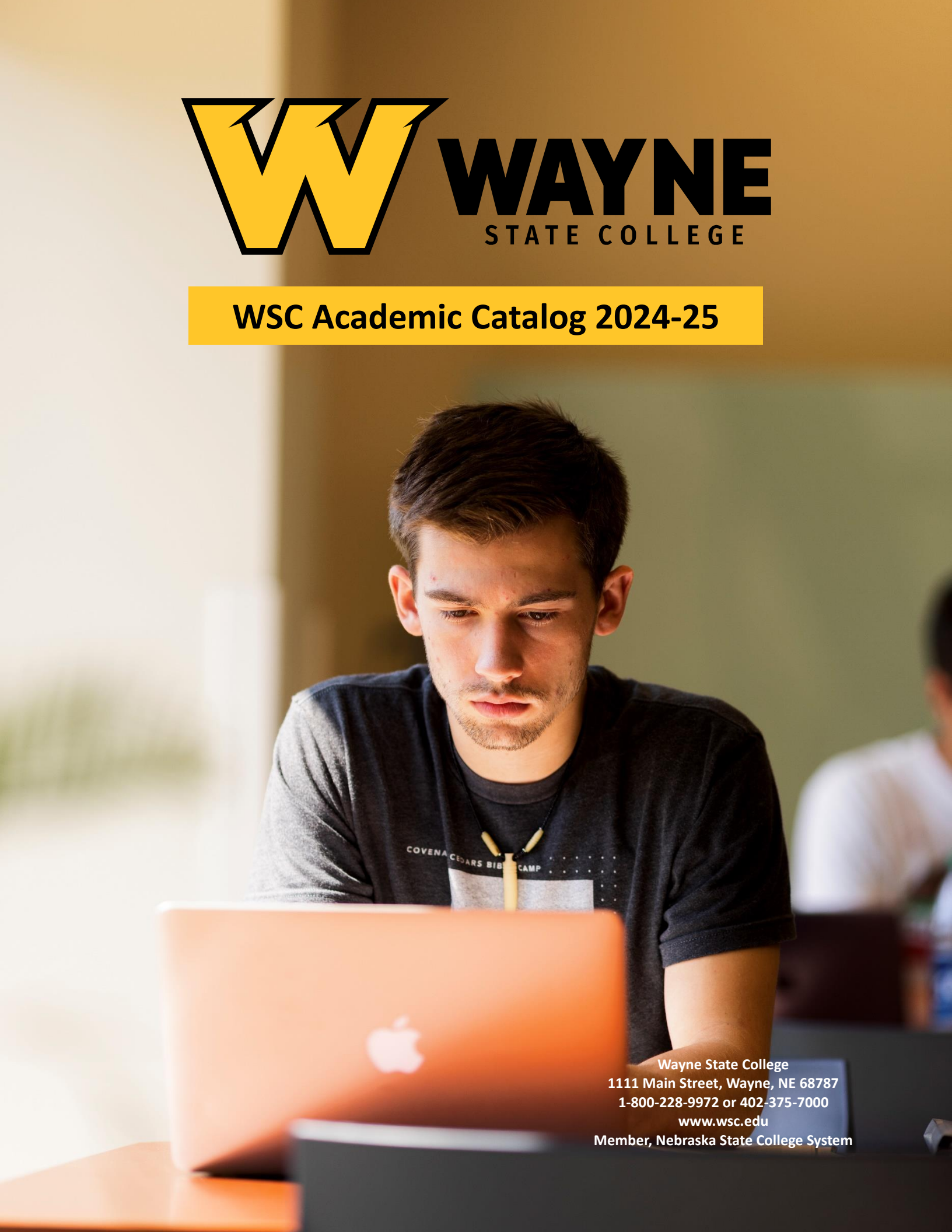
WSC Academic Catalog 2024-25



Wayne State College
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1-800-228-9972 or 402-375-7000
www.wsc.edu
Member, Nebraska State College System

2024-25 Wayne State College Academic Catalog

For more than 100 years, Wayne State College has been devoted to student success and regional service. We are best known for our friendly atmosphere, exceptional academic reputation, success of our graduates and affordability.

Every effort is made to ensure the accuracy of information in this catalog, but Wayne State College reserves the right to make changes without prior notice. Wayne State College also reserves the right to cancel programs or courses due to low enrollment or budget constraints. Wayne State College provides the information herein solely for the convenience of the reader and, to the extent permissible by law, expressly disclaims any liability, which may otherwise be incurred. The words “he” or “she” refers to any member of the College community.

Accreditation

Wayne State College is accredited by The Higher Learning Commission (HLC), 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1413, phone 800-621-7440, HLC (info@hlcommission.org). Wayne State College received its first accreditation as a teacher’s college in 1917. Wayne State College received notice of its continued accreditation in 2015, with the next Reaffirmation of Accreditation in 2024-2025.

Wayne State's specialized academic accreditations include:

- Association of Technology, Management, and Applied Engineering (ATMAE)
- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Council of Accreditation for Educator Preparation (CAEP)
- International Accreditation Council for Business Education (IACBE)
- National Association of Schools of Art and Design (NASAD)
- National Association of Schools of Music (NASM)
- Nebraska Department of Education (NDE)

About the Catalog

Revisions in degree requirements and academic regulations take effect on the first day of the fall semester of the year designated in the catalog. Students at WSC will normally follow the degree requirements and academic regulations of the catalog in force at the time of their admission. However, a student who changes majors or fails to earn at least 12 semester credit hours in one academic year will be governed by the current catalog. The student may exercise the option of changing to a later catalog, but in such a case the student must fulfill all of the degree requirements and academic regulations.

Nebraska State Department of Education regulations may change and affect educator preparation requirements immediately, without first appearing in a WSC Academic Catalog.

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About the College



Dr. Marysz Rames
President

Mission and Vision

Mission Statement

Wayne State **inspires** students through access to affordable, high quality academic programs, personalized support services, and a culture committed to diversity, sustainability, and creativity.

The College **strengthens** communities by engaging students in experiential learning and leadership opportunities.

Wayne State **serves** the region through cultural opportunities, strategic partnerships, and innovative economic development programs.

Vision Statement

Wayne State creates an environment of rigorous teaching, active learning, and meaningful service that engages students on a path to transformational leadership.

History

Wayne State College is in Wayne, Nebraska, and was established as the Nebraska Normal College at Wayne in 1891 and was founded and operated by Professor James M. Pile until his death in 1909. In that year, the Nebraska State Legislature authorized the purchase of the property, buildings and equipment of the Nebraska Normal College and renamed it the State Normal College. It opened under that name in September 1910, with Dr. U.S. Conn as president.

In 1921, by act of the State Legislature, the school became a State Normal School and Teachers College with legal authority to grant baccalaureate degrees in education. In 1949, the Legislature changed the name of the institution to Nebraska State Teachers College at Wayne and granted authority to confer

the baccalaureate degree for study in liberal arts. The graduate program leading to a master's degree was authorized in 1955, and in 1963 the Legislature changed the name of the college to Wayne State College.

Degrees Authorized

WSC is authorized to grant the following degrees: bachelor of arts (1949), bachelor of science (1949), master of arts in interdisciplinary studies (2020), master of arts in teaching (2024), master of business administration (1984), master of science in education (1955), master of science in interdisciplinary studies (2020), master of science in organizational management (2006), and education specialist in school administration (1981).

Students planning to teach will find the minimum requirements for a beginning teacher listed in the descriptions of teaching endorsements (in the section on Undergraduate Programs). Each candidate for a teaching certificate must be recommended by the College.

The College offers a variety of pre-professional programs, in addition to the degree programs. These programs are for students preparing to enter professional schools. By proper selection of courses, the student may qualify for admission to professional schools. See the Pre-Professional Programs section.

Academic Schools and Departments

School of Arts and Humanities

Art and Design
Communication Arts
History, Politics and Geography
Language and Literature
Music

School of Business and Technology

Business and Economics
Computer Technology and Information Systems
Technology and Applied Science

School of Education and Behavioral Sciences

Counseling
Educational Foundations and Leadership
Psychology and Sociology

School of Science, Health, and Criminal Justice

Criminal Justice
Health, Human Performance and Sport
Life Sciences
Physical Sciences and Mathematics

Admissions

Applying for Admission

WSC is an open enrollment institution committed to providing access and opportunity for all students to fulfill essential educational needs regardless of race, culture, disability, and/or socioeconomic conditions.

Students seeking admission to the college can begin the process by applying for admission (https://www.wsc.edu/apply). The application and all transcripts of credit become the property of WSC and will not be returned or forwarded.

Undergraduate Admissions

Freshman/High School Graduates

WSC will admit, as first-time freshmen, students who have graduated from an accredited high school. High school seniors may apply for admission and self-report ACT/SAT scores and high school GPA on the application. Official transcripts may be sent directly from their school any time after completion of the sixth semester for validation of self-reported GPA and test scores. A final transcript documenting official graduation date from that high school must be submitted prior to the start of the semester for which admission is being sought.

Upon review by the Director of Admissions, conditional admission acceptance may be granted to high school students prior to completion of the sixth semester of high school.

All freshman applicants under the age of 21 are expected to submit test scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT). The ACT is preferred. Students should take one of these tests prior to April of their senior year in high school. The scores are not generally used in an admission evaluation, but rather to help determine which college courses students should take in their first year. The ACT/SAT scores are used to determine academic scholarship eligibility and/or academic course placement.

While students meeting the minimum state requirement for graduation from high school will be admitted, such students will be better prepared to succeed if they take a college preparatory curriculum in high school. For this reason, we strongly recommend the following high school curriculum.

Recommended High School Curriculum

Language Arts/English.....4 units (years)
Mathematics (including Algebra).....3 units (years)
Social Studies/History .....3 units (years)
Sciences.....3 units (years)

We also recommend additional courses in:

- Foreign Language
- Fine and Performing Arts
- Computer Literacy

Early Entry Students

This program provides an opportunity for high school students, prior to graduation, to take freshmen-level courses in a field of interest not offered by the high school. These courses may be applied toward a degree program or they may be used for transfer to another college. Regular college credit would be earned upon the successful completion of courses. Early entry students should attempt no more than six credit hours per semester.

The standard application for admission must be submitted, along with an official high school transcript or written authorization from the high school counselor, principal, or home school administrator before enrollment. Enrollment will not be permitted prior to receipt of these documents.

Dual Credit Program

The Dual Credit Program is a partnership between Wayne State College and participating high school districts. The primary goal of the program is to offer qualified high school junior and senior students the opportunity to take college courses. The program will consist of entry-level college courses which can be applied toward a degree program, or they may be used for transfer to another college.

The college courses are taught by high school teachers who have met the requirements of the college's academic departments. These courses are a part of the high school teacher's regular teaching load, and students earn both high school and college credit concurrently. Wayne State College faculty will support/mentor the high school teachers.

A student receiving a grade of "C-" or below may choose not to have that grade recorded on their permanent record by notifying the Records and Registration Office in writing within three weeks after the end of the term in which the grade was earned. If a change is requested, a grade of "NC" will be recorded, and no credits will be earned. The Access College Early Scholarship program (ACE) does not extend the "NC" grade option to its scholarship recipients.

For more information on the program, please visit our website for Distance and Continuing Education information (https://www.wsc.edu/dual-credit).

GED Diploma Students

Persons desiring admission, who do not hold a high school diploma, are advised to complete graduation requirements through equivalency examination or other means, in the district of their residence. The High School Equivalency Certificate also known as the General Education Development diploma (GED) will be accepted in lieu of a high school diploma for the purpose of admission. To be considered for admission, the student must submit the following items:

1. the completed application for admission
2. an official copy of the GED scores, sent directly from the testing center, and a copy of the diploma certificate
3. an official ACT/SAT assessment score report if applicable

GED completion students admitted to WSC may be required to enroll in transitional courses to prepare the student for academic success at WSC.

Home Schooled Students

A freshman applicant who obtains his or her high school education through home schooling is eligible for admission. To be considered for admission, the student must submit the following items:

1. the completed application for admission (https://www.wsc.edu/apply)
2. high school transcripts from all high schools (grades 9-12) attended, including home school

International Students

Wayne State College offers international student admission through the F-1 Student Program. International students wishing to be admitted to WSC must demonstrate proficiency in oral and written English before admission to a degree program. Requirements include: the completed international application for admission, one passport-size photograph, official credentials of prior course work on academic records with official English translation, official evidence of required English language skills (i.e., Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS), Duolingo, or comparable test score reports), 300-500 word handwritten statement of educational intent, statement of educational interests, and evidence of financial support.

All required application materials must be received by the Office of Admissions by the appropriate deadline in order to allow the I-20 to reach the proper destination for timely visa applications. International students attending must be continually enrolled with a U.S. carrier health insurance policy that includes medical evaluation and treatment as well as repatriation benefits. (See tuition and fees page for more details.)

Admitted international students may enter the United States with a student F-1 Visa. In accordance with U.S. Immigration Law, I-20 for F-1 Visas can be issued only to persons who are pursuing a full-time course of study at an American college or university or are participating in an exchange program. Full-time status for undergraduates is 12 semester hours; for graduates it is 9 semester hours. On-campus employment pursuant to the terms of a scholarship, fellowship, or assistantship is deemed to be part of the academic program of a student otherwise taking a full course of study and may be counted toward full-time status according to federal regulations. Additional information for F-1 students can be found on the Department of Homeland Security's website (https://studyinthestates.dhs.gov/students/maintaining-status).

Although a student may have a bachelor's degree from a foreign country, the student may not be considered a graduate student based on the recommendations/reports of professional and certified evaluation services (i.e., Educational Credential Evaluators (ECE), World Education Services (WES), etc.). International graduate students entering WSC may be required to enroll in transitional courses based on the recommendations/reports of the above-listed professional and certified credential services evaluation to ensure the student has the appropriate undergraduate background to be successful in his/her graduate course of study.

Medical Health Insurance for International Students (F-1)

All international students with an F-1 visa must show proof of health insurance with a U.S. carrier as a condition of their continued enrollment at Wayne State College. Your policy must include your full

name, dates of coverage and explanation of coverage including deductible, major medical coverage, medical evacuation, and repatriation of remains. The policy must be in English and U.S. dollar amounts. Bring a copy of your insurance card by August 30 (fall semester) and January 15 (spring semester) to the Multicultural and International Programs Office.

Transfer Students

Transfer of Credits

Undergraduate transfer students entering with college credit earned from one of the six regionally accredited institutions (Middle States Association, New England Association, North Central Association, North West Association, Southern Association, and Western Association) are given advanced standing classification with ranking determined after an evaluation of such credit by the Records and Registration Office.

Transfer credits from other institutions will be subject to specific approval from the appropriate departments on the acceptance of transfer credits. Graduates see Graduate section of the catalog for transfer information.

Transfer students not on current academic suspension from their previous institution are eligible for admission, provided they have maintained a minimum grade point average of 2.0 or higher (on a 4.0 point scale). Such students are advised to submit a completed application for admission. Students must request an official academic transcript from each institution attended. The transcripts must be sent directly to the Office of Admissions. Transcripts submitted by the student are not official and will not be used for final admission or for evaluation of transfer credit. Appropriate arrangements must be made with the Office of Admissions if this requirement is not met at the time of expected enrollment.

Official transcripts should show work attempted and completed for all terms attended up to that point. (Courses completed more than seven (7) years prior require special approval.) The student must also request that the final official transcript be sent after the current term is completed. Admission for transfer students may be delayed until final transcripts are received from any and all previously attended institutions.

Transfer of Degrees

An Associate of Arts (AA) or Associate of Science (AS) degree completed at an accredited post-secondary institution that includes a minimum of 30 semester hours of general studies coursework or its equivalent will fulfill all requirement of a general studies program established at a Nebraska State College. Note that while the general studies requirements will be fully met with completion of the Associate degree, only those courses carrying grades of “C-” or above will be applied to the credit hour requirements of the baccalaureate degree. Transfer students who have completed the associate degree program (AA, AS, or pre-approved AAS degree) from an accredited institution are generally admitted with junior standing. There are no additional General Studies requirements for transfer students holding an AA or AS degree from an accredited Nebraska Community College unless specific courses are required for certain majors/degree programs.

All other transfer students must meet WSC’s General Studies requirements; General Studies transfer courses will be considered on a course-by-course basis. Students who have completed an unarticulated

Associate of Applied Science degree (AAS) are encouraged to meet with an advisor in the Department of Technology and Applied Science to discuss degree program options.

Transfer Students Admitted on Probation

When deemed appropriate, the Director of Admissions may admit a transfer student with less than a 2.0 transfer GPA. In addition to the official application for admission, such students must also submit a letter describing their plan of action for success upon admission. The Director of Admissions can request a personal interview to review the plan of action. Full time transfer students admitted on probation must enroll in no more than 14 semester hours in the first term of attendance (any exceptions to this policy require advisor approval). The Director of Admissions does not have the authority to waive these conditions. Transfer student applicants with less than a 2.0 transfer GPA who do not agree to these conditions will be denied admission.

Transfer students admitted on probation must earn a semester GPA of 2.0 or better in their first term of attendance or they will be academically suspended for one semester. Please be advised that dropping or withdrawing from a class or classes may have financial impacts. You are encouraged to speak with your Advisor and Student Financial Services prior to making changes to your class schedule.

WSC honors all rules and regulations pertaining to academic suspension at the most recently attended institution.

Non-Degree Seeking Student

Non-Degree Seeking Students are those students not working on a degree program. The completed application for admission is required. High school and college transcripts may be requested.

Nebraska Joint Admissions Program

The Nebraska Community Colleges and the Nebraska State College System united to form the Nebraska State Joint Admission Program to promote access and success for students by means of cooperating programs and services. This program includes: all six Nebraska Community Colleges: Central, Metropolitan, Mid-Plains, Northeast, Southeast, and Western Nebraska Community Colleges and the member institutions of the Nebraska State College System: Chadron, Peru, and Wayne State Colleges. The agreement includes the following understandings:

1. Once a student is accepted at a Nebraska Community College, he or she is also accepted at any or all of the four-year member institutions of the Nebraska State College System: Chadron, Peru, and Wayne State Colleges. AND
2. Once a student is accepted at a member institution of the Nebraska State College System: Chadron, Peru, or Wayne State Colleges, he or she is also accepted at any or all of the Nebraska Community Colleges. AND
3. Once a student is accepted at a member institution of the Nebraska State College System: Chadron, Peru, or Wayne State College, he or she is also accepted at any or all of the institutions in the Nebraska State College System.

Graduate Admissions

All Graduate Students

Students may enroll in graduate courses after they have been admitted, to Wayne State College, for graduate study. The procedure requires that students complete the Graduate Application for Admission, the Health Form, and that they request an official transcript from the undergraduate institution conferring the baccalaureate degree. Transcripts should be sent directly to the Admissions Office. Students who wish to be admitted to a graduate degree program shall have a baccalaureate degree from an accredited institution.

A student with a baccalaureate degree from an institution that is not accredited by one of the six regional associations of colleges and schools may be accepted conditionally, subject to an evaluation after the completion of requirements for formal admission to a graduate degree program.

Students also need to meet the specific admission requirements listed for each program in addition to the general requirements listed below.

Non-Degree Seeking Students

Renewal of teaching certificate

If a student is not a WSC graduate, the Admissions Office must receive a Graduate Application for Admission and one official transcript reflecting possession of a baccalaureate degree sent directly from the undergraduate institution. Students need to have renewal courses approved by the Certification Officer before enrolling. The Institutional Verification required by the Nebraska Department of Education for certificate renewal must be processed through the WSC Education and Counseling Services Office.

Program leading to an additional baccalaureate degree, major, or teaching endorsement

Students who wish to complete the requirements for an additional endorsement, major, or baccalaureate degree must file a graduate admission application form and have one official transcript of their undergraduate work sent to the Admissions Office directly from their undergraduate institution, unless they have graduated from WSC. Graduate students working on initial endorsements/certification programs must be admitted to the WSC Educator Preparation Program. A minimum of 30 semester hours must be earned at WSC to receive a second baccalaureate degree. A minimum of 15 semester hours (excluding supplemental endorsements) approved by the appropriate Dean must be earned at WSC to complete a major or teaching endorsement and have it noted on the transcript.

Non-degree / Special Post-Graduate Student Status

This status is for those students who intend to take an occasional course for personal enrichment or transfer to another institution. Since a public college has an obligation to make its resources available for a broad range of purposes not confined to the pursuit of specific degrees, anyone holding an accredited baccalaureate or professional degree may register for individual courses at the graduate level without making application to a degree program. Submission of an official transcript is optional but recommended if you indicate this type of admission. Special Post-Graduate students must meet prerequisite conditions, as determined by the instructor, for admission into specific courses. Special Post-Graduate students are not admitted to a graduate program; they are only given permission to

enroll in graduate courses. Should a Special Post-Graduate student wish to work toward a graduate degree, an additional endorsement, or certificate renewal at a later date, he/she will be required to apply for admission to a graduate program and file an official undergraduate transcript sent to the College directly from the degree-granting institution. Courses taken as a Special Post-Graduate student will be applicable to a graduate degree only with the approval of a faculty advisor and permission from the appropriate School office. Please visit our website for Distance and Continuing Education information (https://www.wsc.edu/continuing-education).

Advisor Assignment and Admission to the Program

At the time of admission to graduate studies, the student will be assigned a faculty advisor. The faculty advisor's function is to help in developing a program of study, render guidance and support, and represent the student in any matter pertinent to his/her graduate program. The student's advisor will meet with the student to initiate a program of study in the student's selected degree program. The advisor can also advise the student on formal admission into a program of study. Formal admission to a program occurs at specific points identified by each program area. Please consult the catalog section for that program area for specific information on a program of study. Students may request a new advisor at any point during their program.

Transfer Credit

When requesting transfer credit, no more than 50% of a program of study's total graduate credits may be in 500 level courses. Only transfer credit of a "B" grade or better is accepted. A "B-" is not acceptable.

A request to transfer graduate credit may be completed by the student and the student's advisor. A committee of graduate faculty will review the request. Wayne State College will consider for transfer graduate credit courses from any regionally accredited institution. The graduate student must complete at least 50% of the course work from WSC faculty to meet the residency requirement.

Graduate students may petition to challenge for credit and/or evaluation of transfer credit, not to exceed the established transfer guidelines. Challenges will be reviewed by the appropriate program faculty, department chair, and school dean.

International Students

Wayne State College offers international students admission through the F-1 Student Program for In-Person Degree Programs.

The requirements for the F-1 Student Program are:

- Complete the Application
- Submit a Research Interest Statement or Statement of Purpose as specified by program
- Successfully complete program interview
- Submit one Passport-sized photograph
- Submit official transcripts evaluated by a NACES accredited member. SpanTran is the recommended evaluation service.
- Other program-specific application requirements

All required application materials must be received by the Office of Admissions by the appropriate deadline in order to allow the I-20 to reach the proper destination for timely visa applications.

International students attending WSC must be continually enrolled with a U.S. carrier health insurance policy that includes medical evaluation and treatment as well as repatriation benefits. See tuition and fees page for more details. Admitted international students may enter the United States with a student F-1 Visa. In accordance with U.S. Immigration Law I-20, F-1 Visas can be issued only to persons who are pursuing a full-time course of study at an American college or university or are participating in an exchange program. Full-time status for undergraduates is 12 semester hours and 9 semester hours for graduates. On-campus employment pursuant to the terms of a scholarship, fellowship, or assistantship is deemed to be part of the academic program of a student otherwise taking a full course of study and may be counted toward full-time status according to federal regulations. Additional information for F-1 students can be found on the Department of Homeland Security's website (https://studyinthestates.dhs.gov/students/maintaining-status).

Although a student may have a bachelor's degree from a foreign country, the student may not be considered a graduate student, based on the recommendations/reports of professional and certified evaluation services (i.e., Educational Credential Evaluators (ECE), World Education Services (WES), etc.). International graduate students entering WSC may be required to enroll in transitional courses based on the recommendations/reports of the 2023-2024 General and Graduate Catalog www.wsc.edu 24 Wayne State College-Version: 10/2/2023 above-listed professional and certified credential services evaluation to ensure the student has the appropriate undergraduate background to be successful in their graduate course of study.

International students pursuing an online master's degree need to send official transcripts evaluated by a NACES accredited member. SpanTran is the recommended evaluation service. Students must also complete any program-specific admissions requirements.

Financial Information

Overview

Tuition and Student Costs

View the tuition and cost (https://www.wsc.edu/tuition) information on our website. All costs are subject to change by the Board of Trustees of Nebraska State Colleges at any time.

Financial Account Authorization

FERPA (Family Educational Rights and Privacy Act) is a federal law that protects the privacy of your academic records as a student. If you wish to authorize the Student Financial Services office to release and discuss your student account information with anyone other than yourself, you will need to grant Parent/Guest Access by selecting the Parent/Guest Access button in the "My Resources" section on the Profile tab in WildcatsOnline (https://www.wsc.edu/current-students).

Note: This may include, but is not limited to your parents, legal guardians, and/or any third-party making payments on your behalf.

Payment Options

Options and policies can be found at Payment Options (https://www.wsc.edu/info/20043/student_financial_services/380/payment_options).

Adjustment Schedule

Adjustments for complete withdrawal from college (not for each individual course) will be prorated through 60% of the semester.

Adjustments for individual dropped courses view the adds, drops, and withdrawals page (https://www.wsc.edu/info/20039/records_and_registration/45/registration/6).

It is the student's responsibility to check their account balance online by logging into WildcatsOnline at Resources for Current Students (https://www.wsc.edu/current-students) and make payment by the published payment deadline. Billing statements will not be mailed. The Wayne State College Student Financial Services Office will send notifications to students' WSC e-mail account.

When a student withdraws completely from Wayne State College, federal financial aid such as Pell Grant or Stafford Loans may have to be returned to the government and result in the student owing a bill to Wayne State College.

If a student withdraws completely from Wayne State College, housing charges will be prorated through 60% of the term using the final checkout date to calculate the refund. Food plan charges will be prorated through 60% of the term using the Sunday following the date of withdrawal as the date to calculate the refund.

Residency Classification

WSC Students must meet one of the criteria listed on the residency page (https://www.wsc.edu/info/20039/records_and_registration/143/policies/2) to qualify for Residency for tuition purposes. An official application and supportive documentation are required. Contact the Records and Registration Office for details. Applications and all supportive documentation are due one week before classes begin.

Student Financial Aid

The WSC Financial Aid Satisfactory Academic Progress Policy (https://www.wsc.edu/info/20044/financial_aid/386/staying_eligible) is available on the Student Financial Services website (https://www.wsc.edu/info/20044/financial_aid). The Financial Aid Satisfactory Academic Progress Policy is subject to change.

Academic standing, which allows a student to remain in school, differs from the policy that allows a student to remain on financial aid. See the academic probation/suspension policy in the undergraduate studies section of the catalog for information regarding academic standing.

Scholarships

Scholarships administered by WSC are available in limited number to those students judged by the schools and/or the Scholarship Committee to be best qualified. The awards are based on past achievement and promise of future academic success. Scholarships and application information can be found online (www.wsc.edu/scholarships). The scholarship application for returning students is available through WildcatsOnline (https://www.wsc.edu/current-students).

Financial Aid Satisfactory Academic Progress (SAP) Policy

Federal financial aid regulations require Wayne State College to establish and enforce standards of Satisfactory Academic Progress (SAP). The purpose of this policy is to measure a student's academic performance both in a qualitative and quantitative way. This is done by measuring both cumulative grade point average and credit hours earned. To continue receiving Federal and/or State financial aid, students must meet the minimum requirements set in Wayne State College's Satisfactory Academic Progress Policy.

Wayne State College measures satisfactory academic progress at the end of each semester (payment period). Summer is considered a separate semester. The Satisfactory Academic Progress Policy applies to both undergraduate and graduate level students that participate in the following programs: Federal Pell Grant, Supplemental Education Opportunity Grant, Nebraska Opportunity Grant, Federal Work Study, Federal Direct Stafford Loan, and Federal Direct PLUS Loan.

Financial aid recipients that do not meet policy requirements will receive written notification (email and/or letter) of the results of our evaluation of satisfactory academic progress, which discloses future financial aid eligibility status.

The three components of the Satisfactory Academic Progress Policy (qualitative, quantitative, and maximum timeframe) are explained below:

Cumulative Grade Point Average (Qualitative)

Students must meet the following GPA requirements:

Cumulative Grade Point Average (Qualitative) Table

Degree	Earned Credit Hours*	Minimum WSC GPA
Undergraduate	0-59 credit hours 60 or more credit hours	1.75 2.00
Graduate	All	3.00

**Earned credit hours includes all transfer hours accepted by Wayne State College.*

Cumulative Credit Completion Rate (Quantitative)

Students must successfully complete 67% of attempted credit hours to maintain future eligibility.

Cumulative pace is measured by dividing the cumulative number of credit hours successfully completed by the cumulative number of credit hours attempted.

Students must maintain a minimum cumulative pace of 67%. For financial aid purposes, a course is considered completed with grades of A, A-, B+, B, B-, C+, C, C-, D+, D, D- or S. A course is considered not completed with grades of F, NC, I, IP, W or AU.

Maximum Attempted Credits Limit (Maximum Timeframe)

Students may receive financial aid toward their degree up to a maximum timeframe for the particular program as follows:

Undergraduate degree

Financial aid recipients may not exceed 180 attempted credit hours toward their bachelor's degree. Attempted hours are defined as all attempted credit hours in which students enroll that are reflected on their academic record. Transfer students will include all hours accepted by the Records and Registration Office from all previously attended institutions.

Graduate and Specialist degrees

Financial aid recipients may not exceed 125% attempted credit hours toward either a graduate or a specialist degree. Attempted hours are defined as all credit hours attempted toward the degree sought and are reflected on the student's academic record.

Initial Endorsement/Initial Teaching Certificate/Recertification

Students seeking an initial endorsement, initial teaching certificate or recertification may not exceed the required credit hours for the endorsement, certificate, or recertification.

Additional Endorsement/Majors

Students seeking to add an additional endorsement or major to their current degree are not eligible for financial aid, as this academic criterion is not considered degree seeking.

Treatment of the Following Types of Courses for Satisfactory Academic Progress (SAP)

Repeated courses

Repeated courses count as attempted credit hours each time the course is taken, and if credit is earned by receiving a passing grade, (repeats as well) it also counts as completed/earned credit hours in the Pace and Maximum Timeframe calculations.

College Level Examination Program (CLEP)

CLEP courses count as both attempted and completed credits.

Transfer Courses

Credits transferred to Wayne State College from another institution count as both attempted and completed credits; however, the credits are not included in the WSC grade point average calculation.

Dual Credit Courses

Dual credit courses count as both attempted and completed credits.

Withdrawing from a course or courses

Students who withdraw from credit hours must still maintain SAP policy requirements. If you have questions, please contact the Student Financial Services Office prior to withdrawing from credit hours.

Earning an incomplete grade

An Incomplete course grade counts as credit hours attempted but will not count as credit hours completed/earned until a passing grade is assigned. An incomplete grade, like a withdrawn course, can negatively affect a student's pace and financial aid eligibility.

Satisfactory Academic Progress (SAP) Statuses

Meets SAP

The Meets SAP status is assigned to students in two circumstances: 1) it is the student's first semester at Wayne State, and 2) when after their most recent semester, they meet all three standards of Satisfactory Academic Progress.

Warning

Students are placed on Warning status when after their most recent semester of attendance they are deficient in either their cumulative GPA, their cumulative Pace, or both and their previous semester status was Meets SAP. Students on Warning status are eligible to receive financial aid.

Suspension

Suspension status is assigned to students in three categories:

1. The student was on Warning status and at the end of their Warning semester; they do not meet the standards for cumulative GPA, cumulative Pace, or both.
2. The student has reached the maximum attempted credits limit.
3. The student has not yet reached the maximum attempted credits limit, but it is not possible for the student to complete their program prior to reaching the maximum attempted credits limit.

There are two ways students with Suspension status can earn reinstatement: 1) secure approval of an appeal or 2) pay with their own resources for one or more semesters until they meet the satisfactory academic progress requirements, then notify the Student Financial Services Office.

Appeal Process

Students placed in Suspension status due to their cumulative GPA, their cumulative course completion rate, or both, have the right to submit an appeal. Students who fail to meet the maximum timeframe component are immediately ineligible for financial aid and do have the right to submit an appeal.

Appeals must include the following:

1. Satisfactory Academic Progress Appeal Form
2. A written statement explaining:
    a. the extenuating circumstances for which a student could not plan, influence or prevent, such as, a serious injury or illness requiring hospitalization, or the death of a close relative, that prevented the student from meeting the SAP requirement, and
    b. what has changed in the student's situation that will allow for a higher cumulative GPA, a higher course completion rate, or both by the end of the next SAP evaluation period.
3. Third party documentation that supports the information in the student's written statement (e.g., medical documents, obituary notices, legal documents, police reports). Statements from friends and family cannot be considered.
4. Evidence of successful academic progress in the student's most recent semester, as supported by a WSC academic advisor.

The appeal must be submitted in writing to the Student Financial Services Office using the appeal form (https://www.wsc.edu/info/20044/financial_aid/386/staying_eligible/5).

Submission of an appeal is not a guarantee of approval.

If aid is not reinstated, the student may submit an appeal to the Financial Aid Appeal Committee. **All decisions made by the Financial Aid Appeal Committee are final.**

If an appeal is approved, the student's SAP status will change to either Probation or Probation with a plan.

Probation

When a Satisfactory Academic Progress appeal is approved for a suspended student, the student is placed in Probation status and will be eligible to receive aid during the probationary semester.

Probation with a plan

A student can remain eligible for aid once they have had an appeal approved with conditions (probation with a plan) by the Director of Financial Aid. If the student continues to meet the conditions of their plan, there is no limit on the number of consecutive terms a student can be on Probation with a plan status.

Student-Athletes

Student-athletes will be allowed to receive athletic financial aid provided they are considered eligible for such aid per NCAA Bylaw 15.6 – Terms and Conditions of Awarding Institutional Financial Aid. Questions concerning this policy or the appeal process should be directed to the Student Financial Services Office email (sfs@wsc.edu) or (402) 375-7229.

Graduate

Graduate Financial Assistance

Federal Stafford Loans are available to graduate students at WSC. Students are required to file the Free Application for Federal Student Aid (FAFSA) and must be enrolled at least half-time (5 credit hours per semester for a master's degree program; 6 credit hours per semester for a second undergraduate degree or endorsement program). Hours must be approved coursework that applies to the student's program of study. The FAFSA can be completed online (https://studentaid.gov).

The WSC Financial Aid Satisfactory Academic Progress Policy (https://www.wsc.edu/info/20044/financial_aid/386/staying_eligible) is published annually in the WSC Student Handbook (https://www.wsc.edu/student-handbook) and is available online. Students should become familiar with the policy and review it annually as revisions do occur.
A very limited number of scholarships are also available. Visit our website for more information on scholarships (www.wsc.edu/scholarships).

Graduate Teaching Assistantships

WSC is authorized to award Graduate Assistantships in each graduate major field. These assistantships provide a stipend for the academic year, plus tuition, and permit the holder to enroll for no more than nine (9) credit hours of graduate course work while completing a teaching or non-teaching assignment. The load for a student assigned to an academic area will be:

a. teaching the equivalent to six (6) credit hours at the undergraduate level, or
b. providing non-teaching program assistance, approximately 16-20 clock hours, or
c. completing an equivalent combination of teaching and non-teaching assignments.

The load for a student assigned to a non-academic area will be determined by the appropriate Vice President. Consideration for Graduate Assistantships is given only to applicants who plan to earn the graduate degree at WSC. Candidates must have an above average scholastic record and appropriate recommendations. Prior teaching experience is preferred.

Employment Applications for the assistantships must be submitted to the Human Resources Office at the College by April 1 for the following school year. The assistantships awarded for the following year will be announced during the spring semester.

Veteran Benefits and Military Service

Veterans Administration Education Benefits for Military Dependents and Military Students

Wayne State College affirms its commitment to assisting our student population, while exercising transparency and full compliance with the individual principles outlined in Executive Order 13607, Principles of Excellence.

Wayne State College courses are approved by the Nebraska State Department for Veterans' Affairs. The Registrar serves as the Certifying Official and will provide guidance on applying for benefits and certification of courses. For assistance, please email VA Benefits (vabenefits@wsc.edu) or call (402) 375-7241.

Military students will receive at least four hours of physical education credit including PED 103 general studies and/or general elective credit if you present us with a copy of your DD 214, verifying active duty basic training.

Wayne State follows the American Council on Education recommendation for granting credit for military training. We prefer that you submit a Joint Services Transcript (JST) for Army, Coast Guard, Marine Corps and Navy training or a Community College of the Air Force (CCAF) transcript for Air Force training.

As of Spring 2019, all students receiving Veterans Administration benefits receive priority registration for the Fall and Spring semesters.

Standards of Progress Policy

A veteran and/or eligible person must make satisfactory progress toward an approved educational objective leading to employment. Veteran and/or eligible person Standard of Progress will be determined utilizing the Satisfactory Academic Progress policy as listed in the college catalog consisting of overall grade point average, pace, program length, maximum time for completion, attendance and/or conduct.

Veterans Benefits and Transition Act of 2018 Policy for Veteran 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, Wayne State College 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. Wayne State College 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 Wayne State College 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, Wayne State College 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 Wayne State College 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.

"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 https://www.benefits.va.gov/gibill.

Military Tuition Assistance

Members of the Military who wish to receive state/federal tuition assistance (TA) must submit an approved copy of the Tuition Assistance Authorization to Student Financial Services prior to the 1st day of classes. Military members need to be aware of State and Federal funding deadlines to receive TA. Repeat classes will not be approved for TA funding.

Return of Unearned Funds to the Government

Military Tuition Assistance (TA) is awarded to a service member under the assumption that the service member will attend school for the entire term for which the assistance is awarded. When a service member withdraws (officially or unofficially), the service member may no longer be eligible for the full amount of TA funds originally awarded.

To comply with the U.S. Department of Defense (DoD) policy, Wayne State College is required to return to the Military Department any unearned (TA) funds on a proportional basis through the 60% portion of the attendance period for which the funds were provided. TA funds are considered unearned at the point the service member stops attending during the period. All unearned TA funds will be returned directly to the Military Department, not to the service member.

Any refund to the student calculations would occur subsequent to calculating the return to the government.

The return of TA funds may result in a balance due on the student account. However, if a service member stops attending due to a military service obligation, Wayne State College will work with the affected service member to identify solutions that will not result in a student debt for the returned portion.

Adjustments for complete withdrawal from college (not for each individual course) will be prorated through 60% of the semester.

Adjustments for individual dropped courses view the adds, drops, and withdrawals page (https://www.wsc.edu/info/20039/records_and_registration/45/registration/6).

The calculation and return of the unearned funds will be processed within thirty days of determining that the student is no longer eligible for the full amount of TA funds originally awarded.

Students Called to Military Service

Wayne State College recognizes and appreciates the important contributions made by students in service to our country. In support of these students, the College has developed procedures to provide each student with maximum flexibility in the event the student is called to active duty.

Students called to active military service have the following options:

1. Withdraw the entire registration and 100% of the tuition and mandatory fees would be refunded.
2. If arrangements are made with the instructor for grades or incompletes (to be made up later) in the courses, the registration would remain intact and tuition and mandatory fees would be assessed in full.
3. If arrangements are made with only some of the instructors for grades or incompletes, the registration for those courses would remain intact and tuition and mandatory fees would be assessed for those courses. Any courses for which arrangements cannot be made for grades or incompletes could be dropped and the tuition and mandatory fees for those courses would be refunded.

Enrolled members of the Armed Forces, including reserve components and National Guard, are allowed to be readmitted if such members are temporarily unavailable or must suspend enrollment by reason of serving in the Armed Forces and will accommodate short absence for such services in the Armed Forces.

Financial aid is refunded in accordance with existing College and Federal policies for each of the above situations. Inquiries should be directed to Student Financial Services, Hahn 104, 402-375-7229.

In addition to the above-mentioned College procedures, there are implications related to any financial aid you may have through the various federal programs. The rules on these are not necessarily within the control of this institution. Consultation with the Office of Student Financial Services is advised as soon as is convenient.

Academic Policies and Procedures

Registration and Course Information

Academic Calendar

Wayne State College (WSC) operates on the semester calendar as determined by the Nebraska State College System. Each semester will consist of 15 weeks of instruction (75 instructional days) plus one week for final exams. Visit the Academic Calendar (https://www.wsc.edu/academic-calendar) for more information.

Final Exam Schedule

The final exam schedule is published in the class schedule (https://www.wsc.edu/records-registration) each term.

Study Week/Final Exam Policy

The following study week guidelines regarding exams and class projects shall be observed by faculty and students, as approved by the Faculty Senate on 8/27/93:

1. Final examinations for semester classes are to be given only on a day designated during final exam week as published in the class schedule.
2. Only make-up or laboratory/practical examinations may be given during study week.
3. Only those projects, papers, speeches, and other assignments that were delineated in the course outline or given in writing by the end of the eighth week of the semester may be scheduled for completion during study week.

Student requests to take final examinations prior to the regularly scheduled time must be approved by the Dean/Department Chair.

Transcripts

Official transcripts are obtained through Wayne State College's Transcript Delivery System. More information can be found at https://www.wsc.edu/transcripts. Transcripts will not be issued if any Student Financial Services holds are in place.

Unofficial transcripts may be accessed through WildcatsOnline (https://www.wsc.edu/current-students).

Academic Load

Undergraduate: The average load for undergraduate students is 15 or 16 hours each semester. The maximum load, without special permission, is 18. A student who wishes to register for 19-21 hours should make application to the Records and Registration Office. Requests to take more than 21 hours must be approved by the appropriate Dean. A full-time undergraduate student is a person who is enrolled in 12 hours of coursework.

Graduate: A graduate student pursuing an undergraduate program must be enrolled in 12 undergraduate credits or a combination of 12 hours of undergraduate and graduate credits to be considered full-time. A full-time graduate student pursuing a graduate level program of study is one who is enrolled in 9 graduate hours.

Summer: All summer sessions, combined, are considered a single term in determining enrollment status and financial aid eligibility. The only exception relates to student eligibility for Veteran's' benefits.

Class Attendance

It is expected a student enrolled in a course will attend class regularly. Failure to do so may adversely affect financial aid eligibility and the final grade received.

Changes in Majors or Degree Programs

The student who transfers from one major field to another, from one field of endorsement to another or from one degree to another must have their entire degree program reviewed by the Records and Registration Office. Changing any part of a student's program (majors, minors, endorsements) to a new catalog will cause the student's entire program (majors, minors, endorsements) to be changed to the new catalog. A student's program (majors, minors, endorsements) must all be from the same catalog. The student must meet all degree requirements and academic regulations of the catalog in force at the time of the change. However, a student who adds an additional major(s) and keeps their existing major need not change to the current catalog unless the added major is only available in the current catalog. Students must earn 12 hours in each one-year period to retain the privilege of continuing on their present program. Students who fail to earn 12 hours in any one-year period will have to meet the graduation requirements and academic regulations current at the time they re-enroll.
Students who graduate from WSC will follow the catalog in force at the time they return to complete another program.

WildcatsOnline

Students register and drop/add via ***WildcatsOnline*** (https://www.wsc.edu/current-students) from any internet-accessible PC using their Username and Password. Students also access their grades (grade reports are no longer mailed), degree audit, Student Financial Services account summary (billing statements are no longer mailed), financial aid information, and unofficial transcript. Other features include an online admission application and accept/reject financial aid award letters. With this system, faculty enter mid-term and final grades online.

Classification of Students

The classification of students is as follows:

Freshmen:	Less than 30 semester hours completed.
Sophomores:	30-59 semester hours completed.
Juniors:	60-89 semester hours completed.
Seniors:	90 semester hours and above completed.
Graduates:	Students who have earned a bachelor's or higher degree from an accredited institution.

Wayne State Seniors

Seniors enrolled at WSC who are within their last two semesters of completing requirements for the baccalaureate degree may enroll in graduate courses at the 500 and 600 level if they meet the other requirements for graduate admissions as determined by the appropriate School Dean. They are limited to fifteen (15) total hours for the term and a maximum of six (6) graduate hours earned prior to

completing their baccalaureate degree. Notification of approval from the student's advisor, appropriate Department Chair and School Dean for the graduate class(es) must be submitted to the Registrar.

Course Changes

Once a student has registered online, they are free to drop/add online until the end of the registration period. It is recommended that students consult with their academic advisor prior to dropping and adding classes. Adding closed classes requires approval from the instructor and department chair. Normally, courses cannot be changed after the time period designated in each term's calendar.

Withdrawal from Class

Student may withdraw from a class through WildcatsOnline (https://www.wsc.edu/current-students). Grades of "W" will be recorded for all courses withdrawn by deadline. Check the current class schedule for the last day to withdraw from a class. After this time, official withdrawal will be permitted for extraordinary circumstances approved by the Vice President of Student Affairs or designee. Any unofficial withdrawal will result in a grade of "F".

Withdrawal from College

Student may withdraw from all courses through WildcatsOnline (https://www.wsc.edu/current-students). Grades of "W" will be recorded for all students who officially withdraw by the semester deadline. Official withdrawal from college after this time will be permitted only for extraordinary circumstances approved by the Vice President of Student Affairs or designee. Grades of "F" will be given to any student who leaves without officially withdrawing, and a refund will be denied. Withdrawals, both official and without notice, may result in adjustments to the student's federal financial aid, creating a balance due to the college. Withdrawals, both official and without notice, may result in adjustments to the student's federal financial aid, creating a balance due to the college.

Degree Audit

An analysis of a student's academic progress toward a degree. Students have online access to their degree audit through their WildcatsOnline (https://www.wsc.edu/current-students). Advisors can also view advisees' degree audits through their Advisor dashboard.

Registration and Academic Advising

Dates for student registration are specified in the official class schedule (https://www.wsc.edu/records-registration) for each term.

An advisor is assigned to each student for assistance in explaining academic requirements and planning the course of study. Final responsibility for meeting all requirements, however, rests with the student. Students, therefore, should study this catalog carefully, for it is the official source of all requirements and regulations.

Undergraduate Returning Students

Undergraduate students returning after an absence of 1 semester or more are required to re-apply. If other postsecondary institutions were attended during the period of absence, official copies of all transcripts must be submitted to the Office of Admissions.

Returning undergraduate students who left on probation will re-enter on probation. Students who left in good standing may be placed on academic probation upon return if the GPA in college course work attempted from all other institutions is less than a 2.00. Returning undergraduate students must meet the academic standards in effect for current students concerning periods of suspension from their transfer school or from WSC.

Cancellation of Courses

A course failing to enroll a sufficient number of students may be withdrawn from the offerings at the discretion of the Vice President for Academic Affairs.

Dual-Listed Undergraduate and Graduate Courses

Courses taken as an undergraduate cannot be taken for credit at the graduate level (i.e. ENG 426 and 526).

Service-Learning

Academic Service-Learning is a pedagogy that integrates service in the community with academic study (theory/curriculum). Faculty, in partnership with representatives from community organizations, collaboratively design Service-Learning (S-L) projects based on three main objectives:

1. Meeting identified community needs, which helps strengthen the community
2. Advancing the students' understanding of course content
3. Enhancing civic engagement values

Strong reflective components are built into the course to help students consider relationships between their service, the course curriculum, and its impact on their personal values and professional goals. The Service-Learning courses are cross-listed each semester in the class schedule. S-L courses are noted under *schedule notes* by discipline and also appear in the S-L courses section of the schedule. Additionally, student participation is noted on the student's transcript. S-L project/event details will appear in the course syllabus and may involve out of class time and travel.

Directed Study Courses

A directed study course is for a specific catalog course and designed primarily to meet special scheduling problems. The objectives and requirements, including examinations, are precisely those of the formal course, as listed in this catalog. The established course outline will be followed as closely as possible. A student may enroll in a directed study course under the following conditions:

1. The student must demonstrate that the need for a particular course is genuine. That is, the student must show that they have not evaded the course when it was offered and that their normal academic progress will be affected if the course is not immediately offered by directed study.
2. A suitable instructor must be available.
3. The Vice President for Academic Affairs, Dean, the appropriate department chair, and the instructor concerned must approve of the arrangement. A request for this approval may be submitted through the Records and Registration Office.

Independent Study

Undergraduate: Independent study courses are designed for research and presentation under the direction of the Honors Program.

Graduate: Independent study courses are designed for advanced readings and research to meet the special needs of students.

Private Study

No college credit is allowed for academic work taken by private study or under a tutor. This restriction does not apply to private lessons in music under the direction of the College staff.

Special Project Courses

A special project course is designed for the purpose of studying a topic in a special area of interest. A maximum of twelve hours may apply toward a major or endorsement as determined by the appropriate department chair and approved by the Dean. A request for this approval may be submitted through the Records and Registration Office.

Use of Human Subjects in Research

Federal laws require that research projects involving human subjects be designed as much as possible to protect the rights of these subjects. This pertains to projects for classes, thesis research, or problems in lieu of the thesis. Each proposal involving human subjects and the provision for their protection must be reviewed and approved by the advisor/instructor, and the Institutional Review Board (IRB).

College and Exam Credit

College or University Transfer Credit

Students entering WSC with college credit earned from an institution within one of the six regionally accrediting bodies (Middle States Association, New England Association, North Central Association, North West Association, Southern Association, and Western Association) are given advanced standing classification with ranking determined after an evaluation of such credit by the Records and Registration Office. Transfer grades are not included in the WSC cumulative grade point calculation. Transfer students are expected to meet all academic requirements of WSC.

A transfer student must have an official transcript of credit sent directly to the Office of Admissions from the Records and Registration Office at each collegiate institution previously attended. Official transcripts are required for an accurate evaluation of transfer credit. Transcripts presented directly by the student are not official and will not be used for evaluation of transfer credit.

Appropriate arrangements must be made with the Office of Admissions if this requirement is not met at the time of expected enrollment.

Lower level (100, 200) transfer courses, which meet upper level (300, 400) requirements, do not count toward the 40-hour upper-level requirement at WSC.

Effective Fall 2019, only transfer courses with a “C-” or better can be accepted. Credit for non-college level courses, such as Distance and Continuing Education units, experiential learning, etc., will not be accepted. Developmental/transitional courses (non-college level) will not be accepted toward any WSC degree. Credits by institutional exam from other schools are not accepted for transfer at WSC. No more than two (2) hours of athletic squad participation can be accepted.

The maximum number of credits accepted in transfer toward the major and/or minor varies, depending on the chosen program of study, and the School. The decision as to applicability of courses will be made by the department chair and approved by the Dean. All students, including transfers, are responsible for fulfilling all degree requirements as outlined in the WSC Catalog.

Transcripts from non-accredited institutions, technical-trade schools, proprietary schools, industry-sponsored schools, etc., are reviewed by the department offering courses similar to the courses stated on the transcripts. The department chair recommends to the Records and Registration Office which courses or combination of courses to accept in transfer, the semester credit hours to award, and the course equivalency. WSC reserves the right to require successful completion of specific courses and/or up to two semesters of course work at WSC before considering/granting transfer credit from such institutions.

WSC currently has articulation agreements with the following schools: Central Community College, Little Priest Tribal College, Metropolitan Community College, Northeast Community College, and Western Iowa Tech Community College.

Community and Junior College Graduates

Transfer students who have completed the associate degree program (AA, AS, or pre-approved AAS degree) at an accredited institution are generally admitted with junior standing if at least 60 transferrable hours are accepted. A maximum of 66 semester hours of academic credit may be accepted from all previously attended accredited community colleges (unless otherwise specified by articulation agreement). An examination may be required before credit is accepted for a course defined by WSC as upper level if it has been taken in a community college.

Students that transfer to Wayne State College with an AA or an AS degree from an accredited post-secondary institution and have successfully completed 30 hours of general education courses have met the General Studies requirements unless specific requirements are a part of the intended major/degree program. This becomes effective upon receipt of an official transcript indicating the completion of the AA or AS degree. All other transfer students must meet all General Studies requirements; General Studies transfer courses will be considered on a course by course basis.

Students who have completed an unarticulated associate of applied science degree may (if they so desire) enter under the regulations governing the Technology or Skilled and Technical Sciences programs. These are described in the Industrial Technology section of this catalog.

International Baccalaureate Credit-IB

Wayne State College accepts credit from students who have completed the International Baccalaureate diploma program through their high school. Acceptance of specific credits is determined in consultation with appropriate academic departments. Contact the Records and Registration Office for more information.

Advanced Placement Program of the College Entrance Examination Board

A student may be awarded advanced placement and college credit on the basis of scores on the College Entrance Examination Board tests. Students who earn grades of 3, 4, or 5 may receive credit for

corresponding college courses, which are most nearly equivalent to the test, as approved by the department chair of the area concerned, the Dean of the School and the Records and Registration Office. Contact your high school counselor for further information about enrolling in Advanced Placement (AP) courses and sending official AP scores to WSC.

College Level Examination Program (CLEP)

In accordance with the recommendations of the American Council on Education, WSC accepts the results of the College Level Examination Program (CLEP) for specific exams. If credit is earned after a student has achieved senior class status at WSC, only six of the last 30 baccalaureate hours may be completed through the use of such CLEP credit. WSC grants CLEP credit within these limitations:

General Examinations (College Mathematics, Humanities or Natural Sciences examination only)

1. The examinee must meet the minimum A.C.E. recommended score equivalent to a grade of "C".
2. Six hours of credit normally will be granted for successful completion of the Humanities general examinations.

Subject Examinations

1. The examinee must meet the A.C.E. recommended score equivalent to a grade of "C" on all recognized subject examinations. The subject examination in English will require an essay. To earn credit in biology and chemistry, the student must achieve the minimum scores and meet with the appropriate department chair or Dean concerning lab requirements.
2. The credit hours granted shall be the same amount granted for the completion of a similar course at WSC.

The CLEP brochure contains updated scores and policies regulating CLEP credit accepted toward graduation at WSC. Please contact the Holland Academic Success Center at 402-375-7321 for the current brochure which lists additional regulations.

Defense Activity for Non-Traditional Education Support (DANTES)

Service personnel may receive credit for the same CLEP exams through DANTES as WSC accepts through The College Board and Educational Testing Service. In order to be granted the appropriate CLEP credits, service personnel must meet all regulations as listed above including earning the minimum A.C.E. recommended scores as listed in our CLEP informational brochure. WSC academic departments have not evaluated all the various DANTES Subject Standardized Tests (DSST's), so all those tests are not currently accepted as credit.

Departmental Advanced Placement Credit

An academic department of WSC may allow advanced placement credit for a course in that department. The student must pay a $10 per credit hour fee.

Credit by Institutional Examination

A currently enrolled WSC student is eligible to challenge a course for which they are not enrolled. The student must complete the exam within the semester for which it is requested.

The fee for the Credit by Exam is $10 per credit hour attempted.

A student may not take an examination for credit in any course which (1) is a prerequisite for a course already completed, (2) has a lower level of required proficiency than a course completed, (3) involves content significantly similar to a course completed, or (4) the student has previously earned a grade. Credit earned by examination is applicable toward degree requirements and is entered on the student's record. Credit by Exam courses are graded S/NC. If a student challenges a course unsuccessfully, they may not repeat the challenge for at least 12 months.

The department chair must approve the exam. The appropriate forms and instructions are available from the Records and Registration Office.
Credits by institutional exam from other schools are not accepted for transfer at WSC.

Correspondence Transfer Courses

Not more than 16 hours of correspondence study will be accepted toward graduation. Questions about correspondence study will be answered by the Records and Registration Office. The grade for a correspondence course must be "C'' or above to be accepted.

Credit for Prior Military Experience

Veterans may receive appropriate credit for education preparation and experience acquired while in the Armed Forces. A veteran with an honorable discharge from active duty can receive such credit in accordance with the recommendations of the American Council on Education. Veterans should contact the Records and Registration Office for assistance. A Joint Services transcripts (JST) for Army, Coast Guard, and Marine Corps and Navy veterans or a Community College of the Air Force (CCAF) transcript for Air Force veterans or a DD 214 is required.

Grading and Academic Standing

Grading System

Grade points are allocated for each credit hour earned to provide numerical evaluation of a student's scholastic record.

Grading System Table

Letter	Points
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0

F Failure. Recorded if a student fails a course, or the student does not complete the course and does not officially withdraw.

S Satisfactory. (non-punitive) Recorded in courses where conventional grades are not given and the work is satisfactory, or the student has elected to take a class under the satisfactory-no credit (S/NC) option, and the grade earned was "A" through "C". Not applicable to Master's or Specialist degree programs and not counted in the minimum 12 hours for Dean's List decisions.

NC No Credit. (non-punitive) Recorded in courses where conventional grades are not given and the work is unsatisfactory, or if work is "C-" through "F" under the satisfactory-no credit (S/NC) option.

I Incomplete. Computed in the GPA as "F" until removed. Incomplete is given only if the student cannot complete the course work because of clearly unavoidable circumstances. The instructor will submit a statement of the reasons for the Incomplete and the requirements for removing it to the Dean's Office and to the Records and Registration Office. The work of the course must be completed and a grade reported to the Records and Registration Office before the end of the sixth week of the next regular semester following the semester or session in which the Incomplete was incurred, except for the semester of graduation when the grade must be submitted within two weeks after the graduation date. Unless a grade has been reported within the specified period or an extension of time submitted in writing to the Records and Registration Office by the faculty member of record or their Dean, the "I" grade will be changed to an "F." That grade may not be changed to a passing grade at a future time.

IP In Progress. (non-punitive) Normally used for graduate students and Honors courses (395 and 499). The instructor will submit a statement of the reasons for the In Progress and the requirements for

removing it to the Dean's Office and to the Records and Registration Office. The work in a course graded "IP" must be completed within six months of the end of the term in which the grade was initially awarded except for graduating students who must have all previous "IP's" removed by the end of the sixth week of the semester of graduation. "IPs" received in the semester of graduation must be removed within two weeks after the graduation date. Unless a new grade has been reported within the specified period or an extension of the time submitted in writing to the Records and Registration Office by the faculty member of record or his/her Dean, the "IP" grade will be changed to "NC". That grade may not be changed to a passing grade at a future time.

W Withdrew. Recorded if a student officially withdrew.

AU Audit. No academic credit is earned (so it's not a repeat). Elected by the student. See section on Auditing of Courses.

Credit Hours

The unit of credit is the semester hour. It is defined as one 50-minute class per week (or its equivalent) for one semester.

For example, most three-hour classes meet for three 50-minute periods each week, but some meet for two 75-minute periods a week. Some courses require a laboratory session, where a minimum of two to three hours of laboratory activity is the equivalent of one hour of lecture-discussion. WSC follows the Nebraska State College System policy #4141 for Credit Hour Definition and Assignment to Course Modalities found in the NSCS Policy Manual (http://www.nscs.edu/policy-manual).

Academic and Grade Appeals Process

If a student believes that an incorrect, incomplete, or capricious action has been taken regarding an academic matter affecting their program, they must follow the procedural steps below to appeal the action:

1. Consult with the instructor to obtain all necessary information regarding the decision and attempt to clarify all matters concerning the decision.
2. If the student's questions are unanswered after Step 1, they should place in writing their concerns regarding the action in question. Send a copy of the written statement to the faculty member and to the appropriate Department Chair who will in turn notify the appropriate Dean. The student is responsible for making an appointment with the Dean to review the allegation and to discuss the findings with the student. Initiation of a grade appeal by the student must happen within the first six weeks of the academic semester following award of the grade under appeal, except for graduating students. Graduating students must have grade changes processed within two weeks following the graduation ceremony (contact the Records and Registration Office for instructions if the instructor is unavailable). After that time, no grade changes can be made for graduates.
3. If there is no satisfactory resolution of the problem at Step 2, the student may petition the Vice President for Academic Affairs. The Vice President will review the facts of the case and render a final decision or establish a special Ad Hoc Academic Appeals Committee to investigate the matter. The student must petition the Vice President of Academic Affairs within two weeks of the written response from the Dean. Should an Ad Hoc Committee be appointed, its function is as follows:

a. collect and review all data related to the question or concern
b. interview the student
c. interview the faculty member
d. interview the Dean
e. render a final decision based upon its findings after reviewing the data

The decision reached by the Vice President for Academic Affairs or the Academic Appeals Committee is final. There is no appeal to the Board of Trustees.

Grade Changes

Grade changes requested by faculty members six months or more after the term in which the original grade was recorded must be submitted to the Vice President for Academic Affairs for approval before the change is made to the student's permanent record by the Records and Registration Office. This does not apply to the removal of In Progress grades and extended Incomplete grades.

Grade Point Calculation

To calculate a GPA for courses completed by the student, the total number of grade points accumulated is divided by the total number of quality hours. "Quality hours" are all attempted hours except those graded S, NC, IP, W. When a course is repeated, only the grade earned in repetition will be used in computing the GPA.

The cumulative GPA is calculated only on work taken at WSC. All grades, including transferred grades, are used in figuring the major/minor/endorsement GPA.

Dean's List

At the end of each semester, after grades have been recorded, the Registrar publishes a Dean's List of all undergraduate students who have earned a minimum term GPA of 3.5 during the previous semester, without an "I", "IP", "NC'' or "F'', and with at least 12 hours of regular letter grades ("S" hours and non-degree courses not included in those 12 hours).

Repeating Courses

Courses repeated to raise any grades at WSC must be taken at WSC. This requirement may be waived with specific written approval of the Vice President for Academic Affairs. To repeat a course to raise a grade of "C'' or above, the student should obtain the consent of the instructor and the department chair. The grade earned in repetition will stand. Some courses may be taken more than once for credit as required in the student's program. This will be indicated in the catalog course description.

Satisfactory-No Credit Option

The Satisfactory-No Credit grading option encourages students to attempt courses in areas they might avoid because of lack of background. This grading option, therefore, extends the concept of the General Studies curriculum.

Students are permitted to enroll for any course on a Satisfactory-No Credit basis within the normal college regulations and the limitations stated below. If a student passes the course with at least a "C", the student receives credit and a grade of "S''.

If the work is "C-'' or below, the student receives no credit and a grade of "NC''. Hours attempted (either satisfactory or no credit) are not calculated in the GPA.

A student's instructor will not be informed that the student is enrolled under Satisfactory-No Credit. Following current procedures, final regular letter grades will be submitted by the instructor. The student's grade will then be converted to Satisfactory-No Credit.
Rules governing the program:

1. Any student may elect Satisfactory-No Credit by notifying the Records and Registration Office in writing within 30 calendar days following the first day of the semester or a comparable time period in the short sessions.
2. No student may accumulate more than 12 semester hours of Satisfactory-No Credit.
3. No more than six semester hours may be accumulated in any one academic year.
4. No student will be permitted to receive Satisfactory-No Credit in the minimum requirements in the student's major, minor, endorsement or professional education.
5. No student will be permitted to receive Satisfactory-No Credit in more than two required General Studies courses.
6. Honors courses cannot be taken on a Satisfactory-No Credit basis.
7. After a course is designated Satisfactory-No Credit, it may not be changed back to regular letter grading.
8. A course receiving an S/NC grade cannot be used in a Master's or Specialist degree program.
9. "S" grades are not counted in minimum regular graded hours for the Dean's List; "NC" grades eliminate students from the Dean's List.

Auditing of Courses

Students may audit courses only on a space-available basis and only with signed approval of the instructor. No academic credit is earned in an audited course, so it is not considered a repeat of a previously passed course. Course requirements do not apply in the case of an auditor.

A change from audit to credit or credit to audit must be made within the first 30 calendar days of the semester or the comparable time period in a short session. A completed drop-add slip with instructor signature is required for such a change.

Students register for audited courses at the Records and Registration Office and pay the regular tuition and fees.

International Student Satisfactory Progress Policy

International students attending WSC must meet the same institutional academic satisfactory progress standards as other WSC students. International students should contact the International Student Advisor for information concerning ICE regulations pertaining to study in the United States.

Probation/Suspension Academic Action

Undergraduate

Academic Probation

Any undergraduate student not currently on academic probation or suspension, whose cumulative Grade Point Average (GPA) falls below 2.0 will be placed on academic probation. This includes first time freshmen. Probationary status will remain in effect as long as the student's cumulative GPA remains below 2.0. Probation constitutes a period of formal warning that the student is doing unsatisfactory

work. A student is removed from probation and returned to good academic standing when their cumulative GPA is 2.0 or above.
Transfer students admitted on probation must earn a semester GPA of 2.0 or better in their first term of attendance or they will be academically suspended for one semester. Please be advised that dropping or withdrawing from a class or classes may have financial impacts. You are encouraged to speak with your Advisor and Student Financial Services prior to making changes to your class schedule. WSC honors rules and regulations pertaining to academic suspension at the most recently attended institution. See Admission section for more information.
Returning undergraduate students, who left WSC on probation, will re-enter on probation. Students who left WSC in good standing may be placed on academic probation upon return if the GPA in college course work attempted from all other institutions is less than a 2.0. Returning undergraduate students must meet the academic standards in effect for current WSC students concerning periods of suspension from their transfer school or from WSC.
The student is encouraged to use every opportunity during time on probation to seek counsel and guidance from various college support services, which have been established to offer assistance in study and academic planning. For information on such planning the student should consult with his or her academic advisor, the college Counseling Center, or the Vice President for Student Life.

Academic Suspension

Students who are on probation will be suspended by the College at the end of any fall or spring semester during which their current semester GPA is lower than 2.0 and the cumulative GPA falls below the following standards:

Academic Suspension Table

Student Classification	Cumulative GPA
First semester freshmen	No suspension
Continuing freshmen and sophomores	1.75
Juniors and seniors	2.0

Suspension under these conditions will be automatic, and the student will be notified accordingly. Pre-enrollment for any future terms may be canceled. The first academic suspension will be for one semester (fall or spring). The second suspension will be permanent. All students returning from a period of academic suspension will be continued on academic probation. For removal of probation refer to the earlier section entitled “Academic Probation.”

Reinstatement Following First Suspension

Fall semester suspensions

A student who has been placed on their first academic suspension at the end of the fall semester may continue in the spring semester on probation provided that they meet with the Registrar no later than the first week of the spring semester to develop a plan for academic success. Failure to comply will result in the drop of enrolled classes at the end of the first week of the semester. Eligibility to return does not remove the academic suspension from the permanent record. Failure to complete minimum academic standards will result in exclusion.

Spring semester suspensions

A student who has been placed on their first academic suspension at the end of the spring semester may appeal to the Student Admission and Retention (SAR) Committee for permission to enroll on probation for courses the subsequent fall term. An appeal shall be based solely upon an error or extenuating circumstances that the student believes affected their academic performance and warrants retention at WSC. The SAR Committee reserves the right to require a personal interview with the student prior to ruling on the suspension appeal. In cases where the appeal is approved, such approval does not remove the academic suspension from the permanent record.

Students suspended at the end of the spring semester will be allowed to enroll in any summer school sessions that may assist them in immediate reinstatement for the ensuing fall term. Reinstatement will be based upon the new cumulative GPA meeting minimum requirements to continue in the fall. Changes in suspension status will not be made for any student until final summer grades have been processed. All summer coursework will be considered in determining fall semester academic standing. In order to ensure due process prior to the fall term, students must appeal the spring suspension to SAR by the appropriate early summer deadline.

Reinstatement Following Second Suspension

No student will be allowed to return to WSC after a second suspension (except to attend the summer term immediately following a spring semester exclusion) without approval of the Student Admission and Retention (SAR) Committee. An appeal to this committee shall be based solely upon an error or extenuating circumstances that the student believes affected his or her academic performance and warrants retention at WSC. If an appeal for reinstatement is granted after a second suspension, but the student officially withdraws from that term of reinstatement, the student must go through the appeal process again to request any future readmission.

Error

Error shall mean an error in the posting of a grade(s) or a miscalculation of a student's GPA or academic standing.

Extenuating Circumstance

Extenuating circumstance shall mean conditions which are more than ordinary such as an accident, unusual factors, or the occurrence of an event or set of events beyond the student's control that directly contributed to the student being placed on academic suspension by WSC.
For information concerning the filing of an appeal contact the Records and Registration Office.

Graduate

Grades

A minimum overall average of "B" (3.00 on a 4.00 scale) will be required of all graduate students. This average is based on all courses taken through WSC. In computing this average, no WSC grade below a "C" will be accepted toward the completion of the advanced degree. A "C-" is not acceptable. A course receiving an S/NC grade cannot be used in a Master's or Specialist degree program.

Satisfactory Progress

Degree Seeking graduate students must maintain a minimum of an overall GPA of 3.0 to continue in good standing and to meet Graduation Requirements. Graduate degree-seeking students, who do not

maintain an overall GPA of 3.0, will be reviewed by the Registrar, Graduate Program Coordinator, and Assistant to the Dean of the appropriate school in consultation with faculty as necessary. Students will be placed on probation for the next six credit hours. If they fail to raise their GPA to a 3.0, students will be reviewed again. If their GPA has improved in those six credit hours, they will continue on probation as necessary. If the GPA has not improved in the six credit hours, they will be removed from the program. Academic standing appeals begin with the appropriate School Dean.

Academic Amnesty Policy

Currently enrolled undergraduate WSC students may remove one (1) or two (2) complete terms of undergraduate course work from their cumulative GPA and undergraduate degree consideration. Application for academic amnesty must be made in the Records and Registration Office, with approval also needed from the Student Financial Services Office, the Veteran's' Officer, the Athletic Director, the Academic Advisor, and the Dean of Students. Final approval must be granted by the Student Admission and Retention Committee, a minimum of one term prior to the student's term of graduation.

To qualify, a student must have completed a minimum of twenty-four (24) semester credit hours at WSC (following the most recent term(s) for which the student desires academic amnesty), within which:

1. All hours attempted are counted.
2. Only sequential terms are used.
3. A minimum 2.75 WSC cumulative GPA has been earned within those hours referenced above.

Transfer students to WSC may not declare academic amnesty for any term(s) completed at any other institution of higher education.

In declaring academic amnesty, all courses, credit hours, grades, and grade points, taken during the identified academic amnesty term(s), including any courses successfully completed, will be removed from the cumulative GPA and undergraduate degree requirements. The academic amnesty term(s) listing course work and grades received shall remain on the student's permanent official WSC record with an academic amnesty notation. A revised cumulative GPA will be calculated and listed on the record, excluding the term(s) in which academic amnesty was declared.

Any academic amnesty initiated by the student resulting in action taken by WSC shall be final. Academic amnesty may be applied for and received by a student only one time.

Effective date of the WSC Academic Amnesty policy is May 1993.

Student Rights and Responsibilities

Student's Responsibility

Students are expected to read the regulations of the College and to conform to them. The student, not the College or a member of the faculty, is primarily responsible for meeting requirements for a degree.

Registration and payment of fees imply an agreement by the student to conform to regulations of the College. Students failing to meet current obligations to the College, financial or otherwise, may be denied a degree or transcript.

The Student Handbook contains conduct regulations and disciplinary procedures. The handbook also gives useful information about campus living, policies, services, and activities. The student handbook is available online at WSC Student Handbook (https://www.wsc.edu/student-handbook).

Family Educational Rights and Privacy Act of 1974 (FERPA)

It is the policy of Wayne State College to provide students the right to inspect and review official records as provided in the Family Educational Rights and Privacy Act of 1974 as amended by Public Law 93-568, also known as the Buckley Amendment.

The Family Educational Rights and Privacy Act allows the College to release designated information without prior consent of a student unless the student has indicated that they desire this information be restricted from release without consent. Any student wishing to have directory information withheld from reporting will choose that option in WildcatsOnline (https://www.wsc.edu/current-students).

Directory information at WSC includes: student's name; address (local, permanent, and electronic mail); telephone numbers; participation in officially recognized activities and sports; weight, height and photographs of athletic team members; degrees, honors, and awards received; major field of study; dates of attendance (only beginning and end dates of semesters); year in school; enrollment status (full/part-time); date of graduation; the most recent previous educational agency or institution attended.

Academic Integrity Policy

An effective teaching, learning, and research environment requires trust among its participants. A key part of any academic learning environment is academic integrity. When this trust is broken through participation in dishonest practices, faculty and students will follow procedures to restore an honest and fair learning environment.

Violations of Academic Integrity come in many forms and include, but are not limited to, the following:

1. **Plagiarism**
   Plagiarism is using the words, ideas, or other types of work, whether in whole or in part, from another author, including artificial intelligence, and presenting them as one's own work.

   Plagiarism also includes the improper citation of another's words, ideas, or work. Unless otherwise specified by the instructor, proper citation requires:
   a. All quotations must be in quotation marks.
   b. Signal phrases must be used when introducing a quote or paraphrase to indicate the scope of the work used.
   c. All quotations, paraphrases, adaptations, or summaries of ideas from another's work must be followed by a citation.

d. If the instructor approves the use of artificial intelligence, it must be cited according to the instructor's directions.

Plagiarism can be intentional or unintentional. (It may be unintentional when it occurs as the result of carelessness or inattention.)

It makes no difference whether the incident of plagiarism is intentional or unintentional; in both cases it is a violation of academic integrity and will be treated as such.

Some examples of plagiarism include, but are not limited to, the following:

a. Submitting exams, homework, or other work written by someone else or artificial intelligence, including material from current or previous semesters, as if it is your own.
b. Submitting a paper without acknowledging all of the sources used in the paper. A paper that uses quotes that are not in quotation marks or that are in quotation marks but are not followed by proper citations would be a plagiarized paper.
c. Paraphrasing the ideas contained in another's work, including artificial intelligence-generated content, whether published or unpublished, without the use of signal phrases and proper citation is plagiarism. Changing a few words in a sentence or paragraph is not a paraphrase and doing so without quotation marks and proper citation is plagiarism.

2. Cheating

Cheating is providing or using unauthorized assistance, materials, or information on exams, homework, or other assignments in-class or outside the classroom.

Some examples of cheating include but are not limited to the following:

a. Copying the answer(s) of a fellow student's exam during an in-class exam.
b. The unauthorized use of notes or crib sheets, including electronic sources or artificial intelligence.
c. Providing a previous semester's exam to a student currently taking the class, or studying from a previous semester's exam, without the professor's permission.
d. Copying the homework of other students and submitting it as your own or collaborating on assignments that are not meant to be collaborative and submitting them as your own (working on homework as a group when it has been assigned to each individual student).

3. Fabrication and Falsification

Fabrication includes, but is not limited to, the invention of data, sources in citations, laboratory results, or field experience hours reported. Falsification includes providing false information on resumes in connection to your academic work or providing false information in relation to make up exams or missed assignments.

Some examples of Fabrication and Falsification include, but are not limited to, the following:

a. Writing a paper that contains fabricated statistics or a falsified citation. This includes, but is not limited to, information fabricated by artificial intelligence.
b. Providing an instructor or professor false excuses for missing an exam in order to make up the exam.

4. **Facilitating Violations of Academic Integrity**
   Facilitating Violations of Academic Integrity is purposely assisting or attempting to provide assistance to another in committing an academically dishonest act.

Violations of Academic Integrity is a serious matter. Multiple incidents of such violations will have a cumulative effect on the student's record. Three documented cases of violations of academic integrity will result in the student's suspension. All records of WSC Academic Integrity Incident Reports will be stored in the VPAA's office.

When a violation of academic integrity is discovered, the penalty imposed is at the discretion of the faculty member.

Reasonable penalties may include but not be limited to failing the assignment and/or the course.

If the penalty for a violation of academic integrity results from a pattern of plagiarism, impacts a significant assignment, or results in a grade of "F" in the course, the following procedure shall apply:

1. The faculty member **must** complete the "Wayne State College Academic Integrity Incident Form". The Form must include the following:
   a. a description of the allegation;
   b. the faculty member's evidence supporting the allegation against the student;
   c. the penalty to be imposed;
   d. a request for a meeting with the student to be held within five (5) academic days of the delivery of the form, unless good cause exists for an extension; and
   e. notice to the student that should the student fail to respond or attend the meeting as scheduled, the form will be forwarded to the office of the faculty member's dean and the VPAA and the student shall be deemed to have waived any right to challenge the violation or penalty
2. The faculty member must deliver the Form via hand-delivery to the student, or email to the student's college email address, or sent certified by first class mail to their campus address.
3. The meeting with the student must be scheduled no later than five (5) academic days from the delivery of the Form, unless good cause exists for an extension. The meeting may take place in person or electronically. If student does not respond to the request/email, or does not come to the appointed meeting, the Form is forwarded to the office of the faculty member's dean and the VPAA and documented as a case of a violation of academic integrity. The opportunity to challenge the finding of a violation or any penalty imposed is forfeited.
4. At the meeting with the student, the faculty member will present the basis for the allegations and inform the student of the penalty to be imposed. The student may present additional information in response to the allegations or accept the penalty.
5. If the student accepts the penalty, the student will sign the Form accordingly and the faculty member will send the form to the office of the faculty member's dean and the VPAA within ten (10) academic days of the meeting with the faculty member, where it will be recorded as a documented case of a violation of academic integrity.
6. If the student wishes to challenge the allegations of violating academic integrity or the penalty, the student will still sign the form accordingly. The student should then return the signed Form and a written request for an appeal to the faculty member within 10 academic days of the meeting. The faculty member will submit a copy of the Form to the faculty member's dean

within 10 academic days of receiving the written request for an appeal, accompanied by any supporting documentation. If the faculty member does not have an academic dean, the appeal will be directed to the VPAA.

7. If the student fails to accept the penalty or challenge the allegations pursuant to paragraph 5 or 6, the Form will be forwarded to the office of the faculty member's dean and the VPAA and documented as a case of a violation of academic integrity. The opportunity to challenge the finding of a violation or any penalty imposed is forfeited.
8. The dean will meet with the student within 10 academic days of receipt of a request for appeal. Within three academic days of this meeting, the dean's decision will be reported in writing to the student and faculty member via hand-delivery, by email to the student's and faculty member's college email addresses, or by first class mail. Students who wish to appeal the decision of the dean must submit a written request for an appeal to the VPAA within five academic days of the dean's decision. The VPAA will meet with the student within 10 academic days of the request for an appeal. Within three academic days of this meeting, the VPAA's decision will be reported in writing to the student and faculty member via hand-delivery, by email to the student's and faculty member's college email addresses, or by certified by first class mail to their campus address. The decision of the VPAA is final.
9. Faculty may express concerns related to the decisions of their dean or the VPAA regarding the Academic Integrity process to their Faculty Senate representative.
10. This process applies only to appeals regarding the charge of violating academic integrity; appeals of any failing grades levied will take place through the grade appeal process.
11. As an early intervention, when a student's first documented case of an academic integrity violation is recorded, the VPAA's office will inform the student's advisor of the incident by email.

Repeated Offenses

Second Offense

Should the process above result in a student's second documented case of an academic integrity violation being recorded, the student will informed that the VPAA has placed the student on academic probation and warn that if a third documented case is acquired, the student will be suspended. The student's advisor is also notified by the VPAA.

Third Offense

Should the process above result in a student's third documented case of an academic integrity violation being recorded, the student will meet with the VPAA to be suspended and the student's advisor will be informed. Once a student returns to WSC after suspension, any additional academic integrity violations will result in re-suspension.

Note: Special cases will be reviewed by the VPAA. Special cases are those which are so unusual that they cannot be dealt with using the above procedure.

The VPAA office will store submitted Academic Integrity Incident Reports submitted by all faculty at WSC. The Faculty Senate may request a report from the VPAA office each Fall semester outlining the overall numbers of Academic Integrity Reports submitted in the previous academic year (not listing the student names or the faculty involved) and the numbers of 1st, 2nd, and 3rd offences. The report will also include the number of student appeals and whether or not these appeals were granted.

Undergraduate Degrees and Programs

General Information

Non-teaching Programs

Major: A comprehensive major can stand-alone and consists of at least 48-57 credit hours. A subject major consists of 30-36 credit hours and must be combined with another major or minor.

Concentration: A series of courses of at least 18 hours within a major that, when combined with a core of courses, if required, leads to a degree.

Minor: A series of courses that range from 18 to 21 credit hours and must be combined with a major or endorsement. A minor must include a minimum of 12 hours unduplicated by the student's major(s) and minor(s), if applicable.

Certificates: A cluster of undergraduate courses that develops specific knowledge and/or skills and supports an occupational outcome or industry certification. This credential does not itself lead to a degree. An undergraduate certificate shall range from 9-15 credits of predominantly upper-level courses.

Mathematics Placement

Students are placed in the appropriate first mathematics course based on ACT Math or SAT Math scores as indicated in the chart below. If a student does not have an ACT Math or SAT Math score or wishes to challenge placement in the first mathematics course at WSC, the student may take a placement exam. The exam can be completed only once per year and is taken in the WSC math department. Based on placement, the student may need to take additional courses as prerequisites for the mathematics course required by the student's major. Please see the Mathematics section of this catalog for more details.

Credit may be earned in MAT 121 College Algebra, using the College-Level Examination Program (CLEP). The math CLEP test must be completed before the completion of a higher-level math course. Questions about the CLEP program can be directed to the Holland Academic Success Center.

Mathematics Placement Table

Math course	ACT Math Score	SAT Math Score	"C-" or Better in Prior Course
MAT 140 Calculus I	25 or above	620 or above	MAT 130 Precalculus
MAT 180 Applied Probability and Statistics	23 or above	570 or above	MAT 121 College Algebra
MAT 130 Precalculus	23 or above	570 or above	MAT 121 College Algebra
MAT 121 College Algebra	21 or above	530 or above	MAT 105 Intermediate Algebra
MAT 210 Mathematics for Elementary School Teachers I	19 or above	500 or above	MAT 105 Intermediate Algebra
MAT 110 Contemporary Applications of Mathematics	Any	Any	None
MAT 105 Intermediate Algebra	Any	Any	None

Requirements

General Requirements

1. A minimum of "C" in English 102, Composition Skills, is required of all students for graduation.
2. Effective Fall 2024, all first-time freshmen will be required to complete IDS 115 within their first year.
3. Effective Fall 2012, a minimum of 120 semester hours of credit must be earned, of which at least 40 hours must be in upper-level courses numbered 300 or above. It may take more than 120 hours to complete some degree programs.
4. A minimum of 30 hours of credit must be earned at WSC.
5. A maximum of 66 semester hours of academic credit may be accepted from all previously attended community colleges.
6. At least 24 of the final 30 hours must be earned through WSC, unless approved by the Vice President for Academic Affairs.
7. Achievement of minimum grade-point requirements is required. Students preparing to teach must earn a 2.75 overall GPA, a 2.75 average in field or subject endorsements, and a 2.75 average in the professional education requirements. Students not preparing to teach must earn a 2.0 overall GPA and a 2.0 GPA in their major area unless higher requirements are listed in their major.
8. Students need to apply for graduation through the Records and Registration Office one semester prior to their intended graduation date. Failure to comply may extend their intended graduation date one additional semester.
9. Graduation is conditional, contingent upon completion of all college requirements. See the WSC Student Handbook for details.

Graduation with Scholastic Honors

Undergraduate students with no less than 63 hours earned at WSC (see the exceptions under Transfer Students), who accumulate a GPA between 3.5 and 4.0, qualify for scholastic honors at commencement, based on their cumulative GPA at the end of the semester prior to the semester of graduation.

Post-baccalaureate students earning an undergraduate degree from Wayne State College are not eligible for honors designation even if they have earned 63 hours here. The exact honor is noted on the diploma and official transcript based on the final cumulative GPA as follows:
Honorable mention: 3.5 to 3.699
Cum Laude: 3.7 to 3.799
Magna cum Laude: 3.8 to 3.899
Summa cum Laude: 3.9 to 4.0

Commencement Ceremonies

Commencement ceremonies are held each academic year in May and December. All graduating students are encouraged to attend commencement, which is ceremonial in nature. Diplomas will not be issued until completion of all degree requirements has been verified.

Summer graduates are eligible to participate in the May or December commencement ceremony.

Once a student's name appears in a commencement program, their name will not be listed again in any subsequent commencement programs, nor will the student be able to participate in any upcoming commencement exercises.

General Studies Requirements

Overview

WSC's ten Core Academic Tenets (CATs) support the institution's mission by providing a foundation of knowledge across a broad range of academic disciplines. Students will develop intellectual and practical skills to include: Inquiry and analysis, critical and creative thinking, written and oral communication, quantitative reasoning, and problem-solving.

General Studies Goals

Students will complete a minimum of 30 credit hours distributed over ten tenets of courses.

Requirements

30 credit hours
Students can apply no more than two General Studies courses toward a non-teaching major.

Core Academic Tenet 1

Students write effectively and interpret the writing of others.
3 credit hours

Student Learning Outcomes

1. Write using accepted conventions, grammar, and mechanics.
2. Interpret written material by analyzing the arguments, perspectives, and objectives of the text.
3. Compose written work for a particular purpose, situation, and/or audience.

Select one of the following 3
ENG 102 Composition Skills (3)

Core Academic Tenet 2

Students speak and listen effectively.
3 credit hours

Student Learning Outcomes

1. Identify and describe the variety and usage of different verbal and nonverbal expressions of a language, discipline, and/or setting.
2. Interpret and explain the objectives, perspectives, and arguments of others.
3. Speak to address the needs of particular situations or audiences.

Select one of the following 3
CNA 100 Principles of Human Communication (3)
FRE 110 Elementary French I (3)
FRE 120 Elementary French II (3)
GER 110 Elementary German I (3)
GER 120 Elementary German II (3)
MLC 110 Elementary Language I (3)
MLC 120 Elementary Language II (3)

SPA 110 Elementary Spanish I (3)
SPA 119 Spanish for Criminal Justice (3)
SPA 120 Elementary Spanish II (3)

Core Academic Tenet 3

Students develop, evaluate, and use quantitative and logical reasoning to solve complex problems.
3 credit hours

Student Learning Outcomes

1. Demonstrate skills in mathematics, reasoning, and/or statistics to analyze information.
2. Interpret and explain mathematical, logical, and/or statistical concepts.
3. Evaluate quantitative and logical information within their social context.

Select one of the following 3-5
BUS 122 Personal Finance in Modern Society (3)
MAT 110 Contemporary Applications of Mathematics (3)
MAT 121 College Algebra (3)
MAT 130 Precalculus (5)
MAT 140 Calculus I (5)
MAT 180 Applied Probability and Statistics (3)
MAT 210 Mathematics for Elementary School Teachers I (3)
PHI 110 The Power of Critical Thinking (3)

Core Academic Tenet 4

Students recognize the visual and performing arts as an expression of imagination and creativity.
3 credit hours

Student Learning Outcomes

1. Identify and describe formal and stylistic elements of the arts.
2. Interpret and critique works using the terms, concepts, and methods of the discipline.
3. Analyze the relationship between art and its social contexts and/or create or perform works of art.

Select one of the following 3
ART 102 The Visual Arts Experience (3)
ART 103 Studio Art for Non-Majors (3)
ART 244 Art History Survey I (3)
ART 245 Art History Survey II (3)
CNA 101 Introduction to Theatre (3)
CNA 223 Acting (3)
MUS 103 Fundamentals of Music Theory (3)
MUS 152 American Music (3)
MUS 154 American Popular Music (3)
MUS 156 History of Jazz (3)
MUS 158 Music in Film (3)
MUS 162 Music Theatre (3)

MUS 164 History of American Rock ‘n’ Roll, 1940-1980 (3)
MUS 166 Music Appreciation (3)
MUS 168 World Music (3)

Core Academic Tenet 5

Students recognize historical, social, and/or psychological concepts and theories as they relate to human behavior and social change.
3 credit hours

Student Learning Outcomes

1. Identify and describe historical, social, and/or psychological issues that influence human behavior and social change.
2. Interpret historical, social, and/or psychological evidence to explain contemporary issues associated with human behavior and social change.
3. Analyze phenomena using historical, social, and/or psychological concepts and theories.

Select one of the following 3
HIS 150 History of the United States for General Studies (3)
HIS 170 World Civilizations I (3)
HIS 171 World Civilizations II (3)
HIS 280 America, 15000 BC to 1845 (3)
HIS 281 America, 1845-1945 (3)
PSY 101 General Psychology (3)
SOC 101 Introduction to Sociology (3)

Core Academic Tenet 6

Students evaluate human experiences and values through the study of literature, stories, and ideas.
3 credit hours

Student Learning Outcomes

1. Articulate questions about the purposes and experiences of human life through literary and philosophical methods.
2. Compare and contrast belief systems and experience.
3. Appraise contemporary issues and experiences through the study of ethical judgements, narrative imaginations, and verbal expressions.

Select one of the following 3
ENG 150 Topics in Literature (3)
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)
ENG 260 Studies in Genre (3)
ENG 280 Themes and Movements in Literature (3)
PHI 101 Introduction to Philosophy (3)
PHI 105 Ethics and Values (3)

Core Academic Tenet 7

Students recognize the structure, complexity, and impact of the life and/or physical sciences.
3 credit hours

Student Learning Outcomes

1. Articulate basic theories and methods of the life and/or physical sciences.
2. Interpret and explain scientific concepts.
3. Appraise contemporary issues through scientific knowledge and skills.

Select one of the following 3-5
BIO 102 Biology for General Studies (3)
BIO 110 Biology Concepts (4)
BIO 280 Biology in Society – Honors (3)
EAS 110 Introduction to Meteorology (4)
EAS 120 Introduction to Geology (4)
EAS 250 Discover Astronomy (4)
NAT 280 Life Science for Elementary Education (3)
NAT 281 Physical Science for Elementary Education (3)
PHS 102 Physical Science Today (3)
PHY 201 General Physics I (3) and PHY 321 Physics Laboratory I (1)
PHY 301 University Physics I (4) and PHY 321 Physics Laboratory I (1)
PHY 326 Electronics (3)

Core Academic Tenet 8

Students understand the diverse economic, cultural, ethical, social, environmental, and/or political implications that influence local, regional, and/or national society.
3 credit hours

Student Learning Outcomes

1. Identify economic, cultural, ethical, social, environmental, and/or political beliefs and values that influence society.
2. Interpret and explain economic, cultural, ethical, social, environmental, and/or political issues and their implications on society.
3. Analyze economic, cultural, ethical, social, environmental, and/or political issues and propose solutions for a diverse society.

Select one of the following 3
CNA 102 Media Literacy (3)
ECO 203 Principles of Microeconomics (3)
GEO 130 Physical Geography (3)
POS 100 American National Government (3)
SOC 220 Social Problems (3)
SOC 245 Race and Ethnic Relations (3)

Core Academic Tenet 9

Students integrate and apply skills and knowledge for life success as it relates to intrapersonal and interpersonal well-being.
3 credit hours

Student Learning Outcomes

1. Explain and describe one or more of the following dimensions of wellness: emotional, occupational, social, spiritual, physical, financial, intellectual, creative, and environmental.
2. Assess intrapersonal and interpersonal behaviors associated with a state of wellness in contemporary society.
3. Plan improvement in intrapersonal and interpersonal behaviors associated with a state of wellness in contemporary society.

Select one of the following 3
CNA 210 Interpersonal Communication (3)
FCS 207 Nutrition (3)
PED 103 Physical Health and Wellbeing (3)
PGH 200 Introduction to Personal, Public and Global Health (3)

Core Academic Tenet 10

Students recognize and evaluate how complex global issues and ideas affect their lives and those of others.
3 credit hours

Student Learning Outcomes

1. Identify and describe global issues and their impact on communities.
2. Interpret and explain global issues and their effect on individuals and communities.
3. Evaluate global issues and the challenges that they present from multiple perspectives.

Select one of the following 3
BIO 104 Environmental Concerns for General Studies (3)
ECO 202 Principles of Macroeconomics (3)
GEO 120 World Regional Geography (3)
HIS 120 World History for General Studies (3)
POS 110 Introduction to World Politics (3)
SPA 210 Intermediate Spanish I (3)
SPA 220 Intermediate Spanish II (3)

Degree Requirements

Bachelor of Arts

1. Completion of the Institutional Requirements.
2. Completion of the General Studies Requirements.
3. Completion of at least one of the following: a major and minor, two majors, a comprehensive major, one field endorsement, or two* subject endorsements.
    a. A combination of majors, minors or endorsements must provide the student with at least 48 hours of unduplicated course work.
4. Completion of at least six hours of study in one foreign language at (or above) the intermediate (200) college level, or completion of a minor within an arts and humanities discipline (ART, CNA, ENG, MUS, SPA, PHI), or completion of a major within arts and humanities degree programs.

*Students may graduate with a single subject endorsement in Middle Level Education, Secondary English, or Vocal Music Education.

Bachelor of Science

1. Completion of the Institutional Requirements.
2. Completion of the General Studies Requirements.
3. Completion of at least one of the following: a major and minor, two majors, a comprehensive major, one field endorsement, or two* subject endorsements.
    a. A combination of majors, minors or endorsements must provide the student with at least 48 hours of unduplicated course work.

*Students may graduate with a single subject endorsement in Middle Level Education, Secondary English, or Vocal Music Education.

Simultaneous Majors/Concentrations

A major when combined with a minor or second major must consist of at least 50 percent of upper-level credits. The combination of a major and minor, or two majors, must provide the student with at least 48 hours of unduplicated coursework to meet graduation requirements.

A student may apply for and receive multiple majors/endorsements within the same degree in the same term, beyond the minimum major/minor/endorsement combination required for graduation. In this instance, the following criteria must be met:
Complete a minimum of 15 additional credits for each additional major/endorsement (excluding special endorsements), as approved by the appropriate Dean or 12 additional credits for each additional Business Administration concentration.

Minors

A minor must include a minimum of 12 hours unduplicated by the student's major(s) and minor(s), if applicable.

Second Undergraduate Degree, Major, or Endorsement

A student may not earn more than one Bachelor of Science or Bachelor of Arts degree from WSC. Students wishing to pursue an additional undergraduate program may do so as defined below:

Second Degree

When the first Baccalaureate degree is earned from an institution other than WSC the student must:

1. Complete a minimum of 30 additional hours at WSC, at least 15 of which is in the major and 15 of which is upper level.
2. Satisfy all current major/endorsement requirements.

When the first baccalaureate degree is earned from WSC the student must:

1. Earn the second (different) degree in a different major.
2. Complete an additional 30 hours at WSC, at least 15 of which is in the major and 15 of which is upper level.
3. Satisfy all current major/endorsement requirements.

Second Major or Endorsement

To complete an additional program (excluding supplemental endorsements*) under a degree already awarded, the student must:

1. Complete a minimum of 15 additional credits at WSC, as approved by the appropriate Dean.
2. Complete all required courses within the major/endorsement.
3. Satisfy all other requirements for that major/endorsement.

*Supplemental endorsements can be recorded on the transcript with only the requirements completed, no minimum hours.

For students who have completed the BA or BS degree from WSC within two years immediately prior to completing the additional endorsement, the additional endorsement may be earned with the completion of clinical practice requirements only, provided all other endorsement course requirements are satisfied.

When an additional major or endorsement is completed, a notation to that effect will be placed on the official transcript by the Records and Registration Office. No change will be made in the original diploma and the student will not be eligible to participate in commencement.

Education Certification Requirements

Department Educational Foundations and Leadership
School of Education and Behavioral Sciences

WSC's undergraduate teacher certification programs provide students with the knowledge and skills to enter the teaching profession, ready to make a positive impact on the lives of their students.

Undergraduate students preparing for a career in education can earn either one field endorsement or two subject endorsements while working toward the Bachelor of Arts (BA) or the Bachelor of Science (BS) degree. Supplemental endorsements may be added to field or subject endorsements as appropriate, allowing teacher candidates to specialize in areas that fit their interests. All endorsements allow a candidate to teach in the grades indicated. These programs are aligned to Nebraska Department of Education (NDE) certification requirements as well as the Interstate Teacher Assessment and Support Consortium (InTASC) standards.

The objective of the certification program is to prepare all graduates to become highly skilled teachers, ready to demonstrate excellence in the areas of content knowledge, teaching pedagogy, and professional dispositions.

Student Learning Outcomes for Educator Preparation Programs

1. Create supportive learning environments.
2. Plan instruction with appropriate teaching and learning strategies.
3. Engage in professional learning for continuous improvement.
4. Cultivate professional relationships with all stakeholders.

External Accreditation

National Accreditation through the Council for Accreditation of Educator Preparation (CAEP).

WSC education preparation programs are state approved and nationally recognized; completers are eligible for certification by the Nebraska Department of Education (NDE).

Certification Information

- To receive Nebraska teaching certification, students must meet all current Nebraska Department of Education certification requirements. NDE requirements can change by legislative or executive actions and may become different than stated program requirements.
- Wayne State College (WSC) Education Preparation Program completers are eligible for certification by the Nebraska Department of Education. Students wishing to teach outside Nebraska will need to meet teacher certification requirements established for that respective state in accordance with that state's laws. Educator preparation and licensure eligible programs comply with the U.S. Department of Education and State Authorization Reciprocity Act (SARA). Students who are located in a state other than Nebraska while attending WSC courses or who plan to seek licensure in another state should review licensure program reciprocity information at (https://www.wsc.edu/sara) for more information.
- Students should contact the Director of Education Services with all out-of-state certification questions. (State Authorization Reciprocity Act – SARA)

- Students transferring from a Nebraska community college with an AA or AS degree may have to take additional General Studies courses to meet state certification requirements depending on the specific courses completed in the associate degree program.
- Students who already hold a teacher certification in the state of Nebraska who are working to obtain an additional endorsement at a new grade level, will be required to complete 7 weeks of clinical practice (6 credit hours).
- Non-certified degree designations may be awarded to students who successfully complete coursework requirements toward a degree in education. Eligibility is determined by the Director of Education Services in collaboration with the Records and Registration Office. Students who choose the non-certified degree route do not qualify for a Nebraska Teaching certificate upon completion.

Requirements for Program Participation

Admission to WSC does not guarantee entry into its Educator Preparation Programs. Students preparing for professional education must meet benchmark criteria at multiple stages in order to advance through established levels. It is the student's responsibility to confirm with the Education and Behavioral Sciences Services Office that adequate progress has been made on each benchmark. A document showing the required benchmarks is available in the Education and Behavioral Sciences Services Office, in the designated online management system (i.e., Anthology), and on the WSC website. Benchmarks may include, and are not limited to, multiple background checks, a required software purchase, specific coursework with minimum grade and/or GPA requirements, and committee reviews. Below are specific academic requirements that are part of the benchmarks. Please refer to the Benchmark document for all benchmark requirements.

- Must earn a "C" or higher in all EDU/SPD courses in addition to:
    - ENG 102 Composition Skills
    - CNA 100 Principles of Human Communication
- Must have a 2.5 cumulative GPA or higher for advancement to Level 2.
- All required coursework must be completed with at least a 2.75 GPA in each of these three categories prior to advancement to Level 3: cumulative, content area, and professional education.

General Studies Requirement

CNA 100 Principles of Human Communication for CAT 2.

Music Requirements

Admission to Wayne State College does not automatically constitute admission to degree programs in music. Admission to music programs is completed by the following criteria:

1. Students must meet the piano proficiencies as required by the major. Music Performance and General Music majors must meet the piano proficiency requirements for piano (MUS 280, 281, 380 and 381). Music Industry majors must complete MUS 280 and 281. Music Education majors must meet the piano proficiency requirements for piano (MUS 280, 281, 380 and 381). This requirement may be met by examination or through successful completion of the courses appropriate to the student's degree program. Music majors who successfully test out of one or more sections of Class in Piano will be required to fill those hours with electives, regardless of degree program.
2. Students must pass all Music Theory, Aural Skills, and Class in Piano courses with a grade of "C-" or higher. If a student earns a "D+" or lower in a required course, the student must repeat the course until earning a "C-" or higher.
3. Students must successfully perform a qualifying audition for 300-level applied lessons before a jury of music faculty, one of whom is in the student's primary performance area. The student must demonstrate, through performance of technical material (scales, rudiments, vocalizes, etudes, etc.) and repertoire, a degree of facility and musicality deemed sufficient to undertake advanced applied study. Each applied area has specific guidelines and requirements for the technical material and repertoire. See the Department of Music Student Handbook for these guidelines. Students must also submit a written list of all repertoires studied and performed and a self-assessment report, submitted to the applied instructor at least one week prior to the 300-level audition. See the Department of Music student handbook for specific guidelines. Students must pass this audition before registering for upper-level lessons.

Applied Music Study

- All prospective music majors and minors must declare an instrument or voice as the primary performance area from one of the following: Voice, Keyboard, Flute, Oboe, Clarinet, Saxophone, Bassoon, Trumpet, French Horn, Trombone, Euphonium, Tuba, Percussion, Violin, Viola, Cello, Double Bass, and Guitar. For the primary area, the students will complete four semesters of lower-level applied study. At the end of the fourth semester, students may apply for upper-level study (see Music Department Student Handbook for requirements). Until the student has passed the jury examination, continued enrollment at the 100-level is required. Applied music study includes at least one hour of participation per week in studio class in addition to the weekly lesson. Students are expected to arrive at lessons and performance classes with their assigned material fully prepared. It is expected that students will schedule daily practice time, as well as develop practice habits sufficient to accomplish this objective. For one 50-minute weekly lesson, the student should enroll in 2 credit hours. For one 30-minute weekly lesson, the student should enroll in 1 credit hour.

Junior and Senior Recital Requirements

- All students pursuing a degree in Music Performance and Music Education must enroll in MUS 454 Senior Recital during the semester of the recital. Performers will be required to pass a jury examination at least four weeks prior to the proposed recital date. This jury will be performed before a panel of at least three music faculty members, including and selected with the help of the student's applied instructor. The student must be prepared to perform any portion of the

recital repertoire requested by the faculty. Music Performance majors must also present a junior recital following the same jury requirements as the senior recital. Repertoire and program notes for the junior and senior recitals must demonstrate an understanding of the repertoire and the ability to perform a cross-section of that repertoire. Instrument-specific guidelines can also be found in the Music Department Student Handbook.

Minimum GPA Requirement for Graduation

- All non-teaching music majors must have a minimum GPA of 2.5 to graduate.
- Music education majors must have a minimum GPA of 2.75 to graduate.

Recital Attendance Policy

- Attendance at department-approved musical programs is required of all full-time music majors and minors enrolled in applied music courses. Attendance at these programs constitutes a part of the applied music grade. Therefore, all music majors and minors must enroll in MUS 130 Recital Attendance each semester in which they are enrolled full-time, and in which they are enrolled in at least one applied music course (including MUS 454 Senior Recital). The criteria for satisfactory completion of this requirement are stated in the syllabus for MUS 130.

Scholastic Programs

Career Scholars Cooperative Education (Co-op) Program (Growing Together)

The Career Scholars Co-op Program is an experiential education, cohort-based program that links Wayne State College students to employers in partner communities. The purpose of the program is to recruit and educate students from rural Nebraska and prepare them to gain employment in rural communities in Northeast Nebraska upon graduation. Candidates for the program apply in their senior year of high school, participate in a selection process, and if selected, begin their program their freshman year at WSC. The program model was developed as part of the Northeast Nebraska Growing Together Initiative and is being implemented in partner communities. Students will select either Norfolk Growing Together Career Scholars, Grand Island Career Scholars, or Columbus Career Scholars for their senior year co-op experience. Availability will be based on community need and available program funding.

Participating students must be enrolled in specific majors, and participating fields of study in business, communication, information technology industrial technology, and education. Students participating in the program will complete a prescribed pathway of courses leading to an 18-credit hour cooperative education experience during their senior year. Students must live on campus their freshman and sophomore years. Students will reside in a living-learning community on campus their freshman year and will have the option for a living-learning community their sophomore year. Students will have the option to live on or off campus their junior year. The students will complete three years of accelerated studies at WSC and then complete their senior year living in dedicated community housing in a partner community, while working 30 hours a week with a partner employer.

Program Requirements

- High school seniors applying must be a U.S. citizen, have a 2.5 GPA or higher, score an 18 or higher on their ACT, and be enrolled in a participating major and field of study.
- Participants in this program will be selected by a committee of professors, program personnel, community leaders, and business owners.
- Participants in this program must maintain a minimum 2.5 GPA and retain a full-time student status by being enrolled in a minimum of 12 credit hours each semester. Failure to maintain good standing may be grounds for program dismissal.
- Successfully complete Fundamentals of Professional Practice (194, 294, and 394)
- Participate in civic, social, and industry events related to the program.
- Alternates may be chosen and subsequently placed as a full participant in the program should a vacancy arise. Alternates in the program will not receive scholarship awards unless they become selected as a Career Scholar in the program.

Honors Program

Honors Program Philosophy

The purpose of the Honors Program at WSC is to identify motivated and talented students and to offer them a more challenging curriculum. The intent of the curriculum is to provide students a more in-depth learning environment, where discussion, exploration and experimentation are encouraged. In order to prepare individuals to be contributors and caretakers of our society, innovative courses offer

students an opportunity to understand the world around them and the impact their actions have on that world. The program consists of a collection of specialized Honors courses taught by faculty who are especially interested in working with Honors students. Smaller class sizes contribute to a learning environment and experience that best support the goals of the Program. The Honors Program is available to students in any major offered at Wayne State College.

Honors Program Goals

The Honors Program at WSC seeks to achieve the following goals:

1. To provide motivated and talented students with a stimulating educational program.
2. To develop a closer working relationship between faculty and students from all departments.
3. To implement an Honors curriculum that reaches across disciplines and provides students a perspective outside their major area of study.

Neihardt Scholars

John G. Neihardt Scholars must participate in the Honors Program as a part of their scholarship agreement. Neihardt Scholars are required to take 12 hours of Honors credit, Independent Study (395) and Senior Honors Colloquium (499), and at least 3 hours of IDS 110 (Shapers of the Modern Mind).

Eligibility and Application for the Honors Program

Students applying to participate in the Honors Program must meet the application criteria. Application is open to qualified freshman, transfer, and current WSC students. Students interested in the Honors Program may contact the Director of the WSC Honors Program for information.

Freshmen

Applicants must have a high school GPA of 3.5 (on a 4.0 scale), a minimum ACT score of 25, or minimum SAT score of 1100.

Current WSC Students and Transfer Students

Current WSC students wishing to apply to the Honors Program must:

1. Have a minimum GPA of 3.3, and
2. Submit an application for the Honors Program with the support of a faculty member.

Non-Honors students are permitted to take Honors classes as space allows without formally entering the Honors Program. Instructor permission is required. These courses will be denoted as Honors on the student's transcript. Honors courses cannot be taken on a Satisfactory/No-Credit basis.

Continuing in the Honors Program

To continue in the Honors Program, students must maintain a 3.3 cumulative GPA, and at least a 3.3 GPA in Honors courses. Students who fall below these criteria will be placed on a one-semester probation. If the GPA criteria are not met by the following semester, the student will be removed from the Honors Program. The student may apply for reinstatement into the Honors Program at a later date but must meet the eligibility criteria outlined above.

Honors Research Project

Honors students complete an Independent Project in research or creative activity, usually spanning their junior and senior years. These projects serve as a capstone for Honors Program experience and provide the opportunities for Honors students to delve further into an academic interest.

Students are encouraged to begin working with their prospective faculty mentor (typically their academic advisor) during their sophomore or early junior year to identify an area of research. Consideration should be given to the availability of research resources when selecting a topic. The topic of the 499 Senior Honors Colloquium may be an expansion of the topic of the 395 Independent Study or may be a different topic, but three hours of the 395 Independent Study must be completed before the 499 Senior Honors Colloquium may begin.

Graduation with Honors in the Major

Students may earn 1 of 3 different levels of Honors recognition in their major, dependent on the number of Honors courses they have completed.

High Honors in the Major

This Honors recognition is earned by a student who has completed a minimum of 12 hours of Honors credit as well as 6 hours in an Honors project (395 and 499) for a total of 18 hours of Honors credit. The student must meet the Honors GPA criteria for a continuing honors student (3.3 cumulative, 3.3 within the major).

Honors in the Major

This Honors recognition is earned by a student who has completed a minimum of 6 hours of Honors credit as well as 6 hours in an Honors project (395 and 499) for a total of 12 hours of Honors credit. The student must meet the Honors GPA (3.3 cumulative, 3.3 within the major).

Scholar in the Major

This Honors recognition is earned by a student who has completed fewer than 6 hours of Honors credit but does complete an Honors project. To qualify for an Honors project (395 and 499) the student must meet the following criteria:

1. Cumulative GPA of at least 3.3 and major GPA of at least 3.3, Or
2. Cumulative GPA below 3.3 and major GPA of at least 3.5.

Internship Program

An internship is “a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting,” (NACE, 2023). An internship experience occurs in part-time or full-time positions related to the student’s desired career path. Wayne State College encourages all students to partake in an internship or other form of experiential learning to gain hands-on work experience and develop professional soft skills needed to flourish in today’s competitive and everchanging job market.

Faculty advisors choose professional development curriculum to implement within the course created and facilitated by the Career Services Staff. These resources and assignments implement critical reflection regarding the NACE Competencies, Professional Development, and Career Readiness. This curriculum is a resource provided to faculty members and department chairs and facilitated by Career

Services. If you have questions, contact the Internship Coordinator at internships@wsc.edu or 402-375-7527.

Eligibility

To receive academic credit a student must:

- Have completed 24 credit hours prior to their credit-bearing internship.
- Have a minimum 2.0 GPA and/or meet eligibility requirements per their department.
- Academic departments may have additional eligibility requirements. See academic advisor for more details.

Guidelines

- Students may apply for 1-12 credit hours or for Transcript Notation. The approval of and the amount of credit given for each internship is determined by the academic advisor and/or the department chair.
- Credits can apply towards the student's program of study, general electives, or may be substituted for a class pending advisor or department chair's approval. Students should consult with their advisor to make this determination before enrolling.
- The level and number of credits will be determined by the advisor or department chair and will be listed as course number 297, 397, 497, or TN. At the 297 and 397 level a grade of Satisfactory (S) will be awarded to the students who successfully complete their internship. No credit (NC) will be given if the requirements of the program are not fulfilled, such as missing assignments or not meeting the work hour requirement. Students enrolled in 497 will receive a letter grade from their advisor or department chair.
- The student must work a minimum of 50 work hours per credit hour. Students may work more hours than required, but no additional credits will be given.
- Credit hours will be billed through Student Financial Services. There is no charge for completing a Transcript Notation internship.

Services

Students can book an appointment with a Career Coach to receive assistance with the following:

- Career Exploration
- Resume and Cover Letter Assistance
- Internship and Job Search
- Interview Preparation
- Handshake and LinkedIn Profile Support
- Graduate School Search and Preparation

Pre-Professional Programs

Students planning to enter the professions listed below will find Pre-Professional Programs offered in the School of Science, Health, and Criminal Justice. These programs are coordinated with fields of specialization at the respective professional schools. Students preparing for these professions should consult early with WSC faculty to plan appropriate courses, and they also should contact a professional college for its advice on preparatory courses. Admission to the professional schools is highly competitive.

- Agricultural Engineering
- Applied Science
- Athletic Training
- Cardiovascular Interventional Technology (CVIT)
- Chiropractic
- Computed Tomography/Magnetic Resonance Imaging (CT/MRI)
- Dental Hygiene
- Dentistry
- Diagnostic Medical Sonography (DMS)
- Engineering
- Mechanical Engineering
- Medical Laboratory Science
- Medicine (Physician)
- Nursing
- Occupational Therapy
- Oceanography
- Optometry
- Osteopathic Medicine
- Pharmacy
- Physical Therapy
- Physician Assistant
- Podiatric Medicine
- Radiation Therapy Tech
- Radiography
- Veterinary Medicine

Public Health Early Admission Student Track (PHEAST)

PHEAST is a collaboration between UNMC's College of Public Health (CoPH), and Wayne State College (WSC). PHEAST students will gain provisional acceptance to the Masters of Public Health Program (MPH) CoPH following the completion of their sophomore year at WSC. PHEAST students in good standing will receive a tuition waiver their junior and senior year at WSC. The CoPH will accept up to three PHEAST students per year. While the CoPH and WSC will encourage students with rural backgrounds to apply to PHEAST, the program will be open to individuals who meet PHEAST requirements listed below:

Eligibility

- Nebraska residents in the second semester of their sophomore year at WSC
- A minimum undergraduate grade point average of 3.3
- Recommended scores of 24 or higher on the ACT or 1680 or higher on the SAT

Program Requirements

Prior to matriculation into the MPH program, PHEAST students are required to:

- Maintain a 3.2 GPA or higher
- Visit the UNMC Campus and mentors in the fall of their junior and senior years
- Successfully complete the three semester-credit hour UNMC CoPH's "CPH 500-Foundations in Public Health" course, delivered via distance education modalities
- Declare their concentration and meet individual MPH concentration admission requirements
- Successfully complete an entry level statistics course, MAT 180, with a "B" or higher, regardless of concentration
- Complete the GRE by September 1 of their senior year with scores in the 40th percentile
- Complete an application to CoPH by November 1 of their senior year
- Complete a Bachelor's degree from WSC

Rural Health Opportunities Program (RHOP)

The Rural Health Opportunities Program, or RHOP, is a cooperative program between Wayne State College (WSC) and the University of Nebraska Medical Center (UNMC). The purpose of the program is to recruit and educate traditional students from rural Nebraska who will return to practice in rural communities in the state. Candidates for the RHOP program apply in their senior year of high school and begin their education the following fall semester at WSC. The Rural Health Opportunities Program currently has options in medicine, dentistry, pharmacy, physician assistant, physical therapy, medical laboratory science, radiography, nursing, and dental hygiene. Medicine, physician assistant, physical therapy and dentistry participants must earn a Bachelor of Science (BS) degree at WSC before transferring to UNMC.

Admission to the RHOP

1. Participants in this program will be selected by a committee of faculty members from WSC and UNMC.
2. Participants in this program must maintain a specified minimum GPA to be "in good standing" and remain in the program.
3. Medicine participants in "good standing" will be automatically admitted to UNMC's College of Medicine when they earn a BS degree at WSC.

4. Dentistry participants in "good standing" will be automatically admitted to UNMC's College of Dentistry when they earn a BS degree at WSC.
5. Pharmacy participants in "good standing" will be automatically admitted to UNMC's College of Pharmacy when they have completed 95 hours of study at WSC. Pharmacy participants may earn a BS in Chemistry-Health Sciences through the 3+1 program.
6. Medical Laboratory Science participants in "good standing" will be automatically admitted to UNMC's College of Allied Health Professions when they have completed 95 hours of study at WSC. Medical Laboratory Science participants may earn a BS in Life Sciences-Health Sciences through the 3+1 program.
7. Dental Hygiene participants in "good standing" will be automatically admitted to UNMC's College of Dentistry when they have completed 63 hours of study at WSC.
8. Physician Assistant participants in "good standing" will be automatically admitted to UNMC's College of Allied Health Professions when they earn a BS degree at WSC.
9. Physical Therapy participants in "good standing" will be automatically admitted to UNMC's College of Allied Health Professions when they earn a BS degree at WSC.
10. Radiography participants in "good standing" will be automatically admitted to UNMC's College of Allied Health Professions when they complete the required two-year program at WSC.
11. Nursing participants in "good standing" will be automatically admitted to UNMC's College of Nursing in Norfolk, NE when they complete the required two-year program at WSC.

Rural Law Opportunities Program (RLOP)

The Rural Law Opportunities Program or RLOP is a dynamic partnership between Wayne State College and the University of Nebraska College of Law designed to recruit students from rural areas and train them to become lawyers who will return and practice law in their communities. RLOP aims to ensure rural areas of Nebraska have access to legal representation by encouraging students from those areas to pursue legal studies to return to their communities to meet the demand for attorneys.

Participants in the program receive their bachelor's degrees at WSC and are then presumptively admitted into the Nebraska College of Law provided they maintain RLOP standards. They must also complete all Nebraska Law application requirements and meet all Nebraska Law RLOP standards.

Eligibility

To be eligible for the RLOP program students:

- Must be a rural Nebraska resident (students from the following cities and towns are NOT considered rural and therefore are not eligible to apply to RLOP: Omaha, Ralston, Boys Town, Elkhorn, Lincoln, Bellevue, Papillion, La Vista, Chalco and Offutt Air Force Base).
- Must have applied and been accepted to Wayne State College.
- Demonstrate strong academic potential demonstrated by GPA, letters of recommendation and ACT/SAT scores.
- Alternates may also be chosen if students with RLOP positions do not successfully complete their studies at WSC; however, while an RLOP candidate has alternate status they will not receive the presumptive admission to the College of Law. Alternates will still participate in RLOP program activities.

Program Requirements

While in the Wayne State College RLOP program students must:

- Maintain a 3.5 cumulative GPA.
- Participate in RLOP program activities
- Obtain an LSAT score of 154 (on a scale of 120 to 180). The LSAT score must be obtained prior to, or during the student's senior year at WSC. Students typically take the LSAT over the summer after their junior year.
- Upon completion of their degree and minimum LSAT score, a student will be presumptively admitted by the Nebraska College of Law barring any information concerning the applicant that reflects adversely on the applicant's character and fitness, including but not limited to, violations of a college conduct code or honor code, criminal citations, pending criminal charges, or criminal convictions. In such cases, the application will be individually reviewed by the Nebraska College of Law Admissions Committee.

Programs of Study

Degree Programs

Majors

Applied Human and Sport Physiology
Art
Business Administration
Chemistry
Communication Studies
Computer Information Systems
Computer Science
Criminal Justice
Early Childhood and Family Studies
Engineering Technology
English
English Writing and Literature
Exercise Science
Family and Consumer Sciences
Human Services
Industrial Technology
Interdisciplinary Studies
Life Sciences
Mass Communication
Mathematics
Music
One Health Studies
Psychology
Social Sciences
Sociology
Spanish
Sport Management
Technology

Field Endorsements

Art Education (PK-12)
Business, Marketing, and Information Technology Education (6-12)
Early Childhood Inclusive Education (B-3)
Elementary Education (K-6)
English Language Arts Education (6-12)
Family and Consumer Sciences Occupational Education (6-12)
Health and Physical Education (PK-12)
Mathematics Education (6-12)
Music (Vocal and Instrumental) Education (PK-12)
Science Education (7-12)
Skilled and Technical Sciences Education (6-12)
Social Studies Education (6-12)

Special Education Generalist (K-12)

Subject Endorsements

Biology Education (7-12)
Chemistry Education (7-12)
Geography Education (6-12)
History Education (6-12)
Middle Level Education (5-9)
Physical Education (PK-6)
Physical Education (7-12)
Political Science Education (6-12)
Psychology Education (6-12)
Secondary English Education (6-12)
Sociology Education (6-12)
Special Education Generalist (K-6)
Special Education Generalist (7-12)
Vocal Music Education (PK-12)
World Language/Spanish Education (6-12)

Applied Human and Sport Physiology

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Applied Human and Sport Physiology major incorporates basic and applied science courses to provide students with a variety of educational experiences pertaining to orthopedics, sports medicine, and allied health. The program of study is designed to prepare students for graduate programs, advanced study, and careers in athletic training, physical therapy, occupational therapy, chiropractic medicine, physician assistant, exercise physiology, biomechanics, and kinesiology. Students also receive preparation for entering fitness and wellness related professions. Opportunities for learning include classroom activities, conference attendance, student research, and job shadowing.

Student Learning Outcomes

1. Demonstrate understanding of how the human body functions at rest and during exercise in healthy, injured, and diseased populations.
2. Assess risk factor, health status, and fitness level, to develop safe and effective exercise prescriptions for healthy, athletic, and clinical populations.
3. Identify appropriate prevention, assessment, management, and treatment methods for common athletic and orthopedic injuries.
4. Critique published research related to allied health, human performance, or wellness.

Associated Degree Programs
Exercise Science

Associated Minors, Supplemental Endorsements and Certificates
Injury Science Minor
Coaching Minor

Program Requirements, 57 credit hours

Students must provide proof of First Aid and CPR certification, including face-to-face skills demonstration, from an approved national organization, which is current for the duration of PED 472.

General Studies Requirements
MAT 180 Applied Probability and Statistics for CAT 3.
PSY 101 General Psychology for CAT 5.
BIO 110 Biology Concepts for CAT 7.
FCS 207 Nutrition for CAT 9.

Content Requirements, 57 credit hours
BIO 220 Human Anatomy 4
BIO 340 Human Physiology 4
CHE 106 General Chemistry I 4
CHE 107 General Chemistry II 4
PED 130 Introduction to Exercise and Allied Health Professions 3

PED 227 Weight Training 1
PED 275 Prevention and Care of Athletic Injuries 3
PED 305 Exercise Physiology 3
PED 351 Biomechanics 3
PED 357 Principles of Strength and Conditioning 3
PED 400 Exercise and Clinical Populations 3
PED 456 Lower Extremity Evaluation 3
PED 457 Upper Extremity Evaluation 3
PED 458 Rehabilitation of Musculoskeletal Injuries 3
PED 470 Fitness Evaluation and Assessment 3
PED 472 Advanced Fitness Assessment, Exercise Prescription, and Applied Research 3
PED 480 Assessment Seminar 0
PED 495 Research Design in Sports Medicine 3
PHY 201 General Physics I 3
PHY 321 Physics Laboratory I 1

Art

Art and Design Department
School of Arts and Humanities
Bachelor of Arts
Comprehensive Major

The Department of Art and Design is dedicated to developing and expanding students' intellectual, aesthetic, and creative development through its commitment to high standards and quality programs in Art Education, Graphic Design, and Studio Art. A strong foundation in design and drawing fundamentals is combined with a broad range of studio experiences, art history, exhibitions and visiting artists to provide students the opportunity to acquire the skills, problem-solving ability, self-awareness, and aesthetic growth necessary to pursue careers or advanced study in their respective fields.

Student Learning Outcomes

1. Demonstrate technical competency in media and tools relevant to the discipline.
2. Demonstrate competency in elements and principles of art or design.
3. Synthesize subject matter, form, and context to create studio art content.
4. Create graphic designs that effectively communicate information visually and have a distinct theme.
5. Compose a visual presentation of works.
6. Compose oral and written presentation about works and understand art in its context.

Concentrations within the major
Graphic Design
Studio Art

Associated Degree Programs
Art Education (PK-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Art Minor
Art: Advanced Studio Minor
Art History Minor
Graphic Design Minor
Photography Minor
Web and Mobile App Design and Development Minor

External Accreditation
The Department of Art and Design is accredited by the National Association of Schools of Art and Design (NASAD).

Program Requirements, 57 credit hours

General Studies Requirement
ART 244 Art History Survey I for CAT 4.

Core Requirements, 20 credit hours

ART 101 Design 3
ART 110 Drawing I 3
ART 111 Drawing II 3
ART 200 Sophomore Review 0
ART 204 Digital Imaging for Graphic Design 2
ART 221 Painting I 3
ART 271 Sculpture I 3
ART 281 Printmaking I 3

Concentration Requirement, 37 credit hours

Select one of the following 37
Graphic Design
Studio Art

Concentration Requirements

Graphic Design Concentration, 37 credit hours

Students selecting the Advanced Studio Minor cannot apply hours from the minor as part of this major's requirement.

ART 230 Graphic Design I 3
ART 231 Graphic Design II 3
ART 245 Art History Survey II 3
ART 322 Mixed Media 3
ART 335 Advanced Typography and Animation 3
ART 403 App Design and Prototyping 3
ART 405 Web Design for the Graphic Designer 3
ART 410 Interaction Design 3
ART 411 Senior Portfolio 1
ART 497 Art Internship 3

Select two of the following 6
ART 302 Ancient Art History (3)
ART 303 Italian Renaissance Art History (3)
ART 304 American Art History (3)
ART 305 Modern Art (3)
ART 306 Contemporary Art (3)
ART 307 Special Topics in Art History (3)

Select one of the following 3
ART 363 Digital Photography I (3)
BUS 270 Principles of Marketing (3)
BUS 374 Advertising and Integrated Marketing (3)
CNA 426 Public Relations through Social Media (3)
CNA 450 Media Design Applications (3)
CNA 479 Animation and Motion Graphics Applications (3)
or any other ART course except ART 102, ART 314, ART 315, or ART 316.

Studio Art Concentration, 37 credit hours

ART 245 Art History Survey II 3
ART 251 Pottery and Ceramics I 3
ART 321 Painting II 3
ART 322 Mixed Media 3
ART 351 Pottery and Ceramics II 3
ART 371 Sculpture II 3
ART 381 Printmaking II 3
ART 490 Senior Exhibit 1

Select two of the following 6
ART 302 Ancient Art History (3)
ART 303 Italian Renaissance Art History (3)
ART 304 American Art History (3)
ART 305 Modern Art (3)
ART 306 Contemporary Art (3)
ART 307 Special Topics in Art History (3)

Select three of the following 9
ART 421 Advanced Problems in Painting (3)
ART 451 Advanced Problems in Pottery and Ceramics (3)
ART 471 Advanced Problems in Sculpture (3)
ART 481 Advanced Problems in Printmaking (3)

Art Education (PK-12)

Art and Design Department
School of Arts and Humanities
Bachelor of Arts
Field Endorsement

The Department of Art and Design is dedicated to developing and expanding students' intellectual, aesthetic, and creative development through its commitment to high standards and quality programs. A strong foundation in design and drawing fundamentals is combined with a broad range of studio experiences, art history, exhibitions and visiting artists to provide students the opportunity to acquire the skills, problem-solving ability, self-awareness, and aesthetic growth necessary to pursue a career in art education. Art education majors also have opportunities to attend professional conferences and are encouraged to become a member of the National Art Education Association/Nebraska Art Teachers Association.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

External Accreditation
The Department of Art and Design is accredited by the National Association of Schools of Art and Design (NASAD)

Certification Information
In addition to accreditation and certification information common to all educator preparation programs, the following information applies specifically to this endorsement.

Endorsement Requirements, 89 credit hours

General Studies Requirement
Art 244 Art History Survey I for CAT 4.

Core Requirements, 20 credit hours
ART 101 Design 3
ART 110 Drawing I 3
ART 111 Drawing II 3
ART 200 Sophomore Review 0
ART 204 Digital Imaging for Graphic Design 2
ART 221 Painting I 3
ART 271 Sculpture I 3
ART 281 Printmaking I 3

Content Requirements, 36 credit hours
ART 245 Art History Survey II 3
ART 251 Pottery and Ceramics I 3
ART 314 PK-8 Art Curriculum 2
ART 316 Secondary School Art 3

ART 321 Painting II 3
ART 322 Mixed Media 3
ART 351 Pottery and Ceramics II 3
ART 371 Sculpture II 3
ART 381 Printmaking II 3
ART 440 Multicultural Arts 3
ART 490 Senior Exhibit 1

Select two of the following 6
ART 302 Ancient Art History (3)
ART 303 Italian Renaissance Art History (3)
ART 304 American Art History (3)
ART 305 Modern Art (3)
ART 306 Contemporary Art (3)
ART 307 Special Topics in Art History (3)

Professional Education Requirements, 33 credit hours
EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment (Art) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
SPD 302 Inclusion and Co-Teaching in General Education 3

Select one of the following 3
SPD 435 Classroom Management Through Social-Emotion Learning K-6 (3)
SPD 436 Classroom Management Through Social-Emotion Learning 7-12 (3)

EDU 452 Clinical Practice and Seminar for Elementary School 6
EDU 456 Clinical Practice and Seminar for the Secondary School 6

Biology Education (7-12)

Life Sciences Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Subject Endorsement

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 75-76 credit hours

General Studies Requirement
MAT 180 Applied Probability and Statistics for CAT 3.

Core Requirements, 12-13 credit hours
BIO 110 Biology Concepts 4
CHE 106 General Chemistry I 4
PHY 321 Physics Laboratory I 1

Select one of the following 3-4
PHY 201 General Physics I (3)
PHY 301 University Physics I (4)

Content Requirements, 30 credit hours
BIO 200 Zoology 4
BIO 210 Experimental Plant Science 4
BIO 220 Human Anatomy 4
BIO 320 Molecular Genetics 4
BIO 325 Ecology 4
BIO 340 Human Physiology 4
BIO 370 Introduction to Research 2
BIO 393 Laboratory Techniques 1
BIO 425 Evolution 3

Professional Education Requirements, 33 credit hours
EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Business Administration

Business and Economics Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The objective of the degree program is to provide a solid foundation in business practices and policies. This foundation will enable students to secure and advance more rapidly in positions of responsibility and leadership in business, industry, and government.

Student Learning Outcomes

1. Demonstrate an understanding of the core areas of business; includes accounting, economics, management, quantitative business, finance, marketing, legal environment, information systems, and international.
2. Demonstrate effective skills in written and oral communication in business settings.
3. Work effectively in a team environment.
4. Apply ethical frameworks to formulate management decision alternatives.

Concentrations within the major

Accounting
Agri-Business
Economics
Finance
Human Resource Management
International Business
Management
Marketing
Professional Accountancy
Professional Studies
Supply Chain Management

Associated Degree Programs

Business, Marketing, and Information Technology Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates

Business Administration Minor
Economics Minor
Management Information Systems Minor
Supplemental Endorsement in Information Technology

External Accreditation

International Assembly for Collegiate Business Education (IACBE)

Program Participation Requirements

Admission to Wayne State College does not constitute admission to the Business Administration major. Students will be admitted into the Business Administration major upon completion of the Business

Administration Foundation Courses with a grade of "C" or better in each course and completion of at least 45 semester hours. Students not having successfully fulfilled the above requirements may be admitted conditionally to the Business Administration major upon approval of the Department of Business and Economics Admission Committee.

Business Administration Foundation, 21 credit hours

BUS 208 Business Communications 3
BUS 222 Business Law I 3
BUS 226 Business Statistics 3
BUS 240 Accounting I 3
BUS 241 Accounting II 3
ECO 202 Principles of Macroeconomics 3
ECO 203 Principles of Microeconomics 3

Program Requirements, 48-61 credit hours

General Studies Requirement

ECO 203 Principles of Microeconomics for CAT 8.
ECO 202 Principles of Macroeconomics for CAT 10.

Core Requirements, 27 credit hours

BUS 260 Management Theory and Practice 3
BUS 262 International Business 3
BUS 270 Principles of Marketing 3
BUS 322 Managerial Finance 3
BUS 352 Operations and Supply Chain Management 3
BUS 408 Business Ethics 3
BUS 418 Legal Environment of Business 3
BUS 420 Strategic Management 3
BUS 490 Assessment Seminar 0
CIS 430 Management Information Systems 3

Concentration Requirement, 21-30 credit hours

Select one of the following 21-30
Accounting, 21 credit hours
Agri-Business, 21 credit hours
Economics, 21 credit hours
Finance, 21 credit hours
Human Resource Management, 21 credit hours
International Business, 21 credit hours
Management, 21 credit hours
Marketing, 21 credit hours
Professional Accountancy, 30 credit hours
Professional Studies, 21 credit hours
Supply Chain Management, 21 credit hours

Concentration Requirements

Accounting Concentration, 21 credit hours

BUS 340 Internal Financial Reporting 3
BUS 342 Accounting Information Systems 3
BUS 347 External Financial Reporting 3
BUS 348 External Financial Reporting Standards 3
BUS 440 Assurance Services 3
BUS 445 Federal Tax Accounting I 3
BUS 447 Accounting Analysis, Forecasting, and Decision Making 3

Agri-Business Concentration, 21 credit hours

BUS 336 Farm and Ranch Management 3
BUS 366 Management Science 3
BUS 432 Agricultural Marketing and Pricing 3
BUS 434 Agricultural Policy 3
ECO 365 Economics of Agriculture 3
ECO 375 Natural Resource Economics 3

Select one of the following 3
BUS 327 Principles of Real Estate (3)
BUS 372 Selling and Sales Management (3)
BUS 497 Internship (3)
ECO 305 Economics for Managers (3)
ECO 310 Money and Banking (3)

Economics Concentration, 21 credit hours

ECO 305 Economics for Managers 3
ECO 310 Money and Banking 3
ECO 365 Economics of Agriculture 3
ECO 375 Natural Resource Economics 3
ECO 426 Quantitative Economics 3
ECO 430 International Economics 3

Select one of the following 3
BUS 327 Principles of Real Estate (3)
BUS 366 Management Science (3)
BUS 424 Investments (3)
BUS 475 Consumer Purchasing and Motivation (3)
ECO 320 Labor Economics (3)
ECO 444 Topics in Economics (3)
GEO 315 World Economic Geography (3)

Finance Concentration, 21 credit hours

BUS 324 Intermediate Managerial Finance 3
BUS 423 Advanced Managerial Finance 3
BUS 424 Investments 3

ECO 310 Money and Banking 3

Select one of the following 3
BUS 344 Financial Accounting and Analysis (3)
BUS 348 External Financial Reporting Standards (3)

Select two of the following 6
BUS 223 Business Law II (3)
BUS 327 Principles of Real Estate (3)
BUS 427 Bank Management (3)
ECO 430 International Economics (3)

Human Resource Management Concentration, 21 credit hours

BUS 367 Foundations of Human Resource Management 3
BUS 452 Human Resource Development 3
BUS 453 Workforce Planning and Employment 3
BUS 454 Total Compensation 3
BUS 455 Employment Law and Labor Relations 3
BUS 456 Strategic Human Resource Management 3

Select one of the following 3
BUS 350 Managing Behavior in Organizations (3)
BUS 356 Conflict Management (3)
BUS 357 Negotiations (3)
CIS 477 Project Management (3)
ECO 320 Labor Economics (3)

International Business Studies Concentration, 21 credit hours

ECO 430 International Economics 3
GEO 120 World Regional Geography 3

Upper-level BUS electives 6

Upper-level electives 9
ECO, GEO, POS, or credit earned in an approved study abroad program.

Management Concentration, 21 credit hours

BUS 350 Managing Behavior in Organizations 3
BUS 366 Management Science 3
BUS 367 Foundations of Human Resource Management 3
CIS 477 Project Management 3

Select one of the following 3
BUS 472 Marketing Analytics (3)
BUS 485 Introduction to Predictive Analytics (3)

Electives 6
BUS 340 Internal Financial Reporting (3)
BUS 372 Selling and Sales Management (3)
BUS 383 Principles of Transportation (3)
BUS 452 Human Resource Development (3)
BUS 454 Total Compensation (3)
BUS 471 Principles of Supervision (3)
BUS 476 Omnichannel Retailing Management (3)
BUS 497 Internship (3)
ECO 305 Economics for Managers (3)
ECO 320 Labor Economics (3)
ITE 205 Introduction to Manufacturing Technology (3)
ITE 306 Industrial Safety (3)

Marketing Concentration, 21 credit hours

BUS 372 Selling and Sales Management 3
BUS 373 Marketing with Social Media 3
BUS 374 Advertising and Integrated Marketing 3
BUS 470 Marketing Management 3
BUS 472 Marketing Analytics 3
BUS 475 Consumer Purchasing and Motivation 3
BUS 476 Omnichannel Retailing Management 3

Professional Accountancy Concentration, 30 credit hours

This concentration allows for exposure to and subsequent mastery of a wider variety of accounting topical areas in which students seeking prelicensure education toward sitting for the CPA Exam may benefit.

BUS 340 Internal Financial Reporting 3
BUS 342 Accounting Information Systems 3
BUS 347 External Financial Reporting 3
BUS 348 External Financial Reporting Standards 3
BUS 440 Assurance Services 3
BUS 445 Federal Tax Accounting I 3
BUS 446 Federal Tax Accounting II 3
BUS 447 Accounting Analysis, Forecasting, and Decision Making 3

Select two of the following 6
BUS 431 Accounting Analytics (3)
BUS 437 Fraud Examination and Forensic Accounting (3)
BUS 444 Governmental and Nonprofit Accounting and Auditing (3)

Professional Studies Concentration, 21 credit hours

Electives 21
Approved by student's advisor, department chair and the Professional Studies Curriculum Committee.

Supply Chain Management Concentration, 21 credit hours

BUS 357 Negotiations 3
BUS 366 Management Science 3
BUS 383 Principles of Transportation 3
BUS 384 Principles of Purchasing and Supply Management 3
BUS 485 Introduction to Predictive Analytics 3
BUS 486 Seminar in Supply Chain Management 3
CIS 477 Project Management 3

Business, Marketing, and Information Technology Education (6-12)

Business and Economics Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Field Endorsement

Students planning to teach business, marketing, and information technology subjects in Grades 6-12 should pursue the bachelor's degree with the 48-hour Business, Marketing, and Information Technology (BMIT) field endorsement. Students wishing to meet the requirements to teach in reimbursable Career and Technical education programs must pursue the BMIT field endorsement. These candidates are automatically eligible for the supplemental endorsement in Work-Based Learning.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Associated Minors, Supplemental Endorsements and Certificates
Work-based Learning Education (9-12) Supplemental Endorsement

Endorsement Requirements, 81 credit hours

General Studies Requirement
ECO 203 Principles of Microeconomics for CAT 8.
ECO 202 Principles of Macroeconomics for CAT 10.

Work Experience
This endorsement is available only to those persons who have either A) 1,000 verified hours of paid work experience relevant to the career field; or B) at least 300 hours of supervised work experience relevant to the career field under the direction of the college.

Content Requirements, 48 credit hours

Business Administration
BUS 122 Personal Finance in Modern Society 3
BUS 208 Business Communications 3
BUS 222 Business Law I 3
BUS 240 Accounting I 3
BUS 241 Accounting II 3
BUS 262 International Business 3
BUS 270 Principles of Marketing 3
BUS 367 Foundations of Human Resource Management 3

Marketing
BUS 372 Selling and Sales Management 3
BUS 374 Advertising and Integrated Marketing 3

Select one of the following 3
BUS 470 Marketing Management (3)
BUS 475 Consumer Purchasing and Motivation (3)
BUS 476 Omnichannel Retailing Management (3)
CIS 375 Introduction to E-Commerce (3)

Information Technology
BUS 307 Office Systems and Technologies 3
CIS 132 Principles of Computing and Information Systems 3
CIS 430 Management Information Systems 3
CSC 165 Introduction to Web Development 3

Career Education
CED 423 Coordinating Techniques 3

Professional Education Requirements, 33 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment (Business Administration) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Chemistry

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The offerings in Chemistry are for those students desiring a combination of scientific and professional knowledge that will assist them in rendering a service to the world in which science is of fundamental importance. The courses are basic to pre-professional areas and to careers in science such as product development, quality assurance, and manufacturing support or health professions such as medicine and pharmacy.

Student Learning Outcomes

1. Demonstrate mastery of the theoretical aspects of chemistry.
2. Demonstrate mastery in the technical aspects of chemistry.
3. Communicate effectively in a chemical manner, both verbally and in writing.
4. Apply mathematical and mechanistic problem-solving skills to chemistry processes.
5. Operate standard laboratory equipment and instruments and be able to interpret the data or spectra obtained.

Concentrations within the major
Chemical Sciences
Fermentation Sciences
Health Sciences

Associated Degree Programs
Chemistry Education (7-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Chemistry minor

Program Requirements, 55-90 credit hours

General Studies Requirement
BIO 110 Biology Concepts for CAT 7.

Core Requirements, 12 credit hours
CHE 106 General Chemistry I 4
CHE 107 General Chemistry II 4
CHE 305 Analytical Chemistry 4

Concentration Requirement, 43-78 credit hours

Select one of the following 43
Chemical Sciences, 43 credit hours
Fermentation Sciences, 45 credit hours
Health Sciences, 43 credit hours
Health Sciences 3+1, 78 credit hours, 30 hours clinical year
Health Sciences 2+2, 48 credit hours, 60 hours clinical years

Concentration Requirements

Chemical Sciences Concentration, 43 credit hours

General Studies Requirement

MAT 140 Calculus I for CAT 3.

Content Requirements

CHE 314 Organic Chemistry I 4
CHE 315 Organic Chemistry II 4
CHE 370 Introduction to Research 1
CHE 380 Instrumental Analysis 4
CHE 390 Inorganic Chemistry 3
CHE 393 Laboratory Techniques 1
CHE 456 Physical Chemistry: Thermodynamics 3
CHE 457 Physical Chemistry: Quantum Mechanics and Spectroscopy 3

Select one of the following 1
CHE 458 Physical Chemistry Lab (1)
CHE 480 Advanced Laboratory Methods (1)

CHE 470 Research Project 1
CHE 493 Laboratory Management 1
PHY 301 University Physics I 4
PHY 302 University Physics II 4
PHY 321 Physics Laboratory I 1
PHY 322 Physics Laboratory II 1

Upper-level CHE electives 7
Up to 4 hours of CHE 490 may be counted toward CHE electives.

Fermentation Sciences Concentration, 45 credit hours

General Studies Requirement

MAT 180 Applied Probability and Statistics for CAT 3.

Content Requirements

CHE 314 Organic Chemistry I 4
CHE 315 Organic Chemistry II 4
CHE 326 Biochemistry I 4
CHE 370 Introduction to Research 1

CHE 470 Research Project 2
CHE 481 Principles of Fermentation 4
CHE 482 Wine, Beer, and Spirit Production and Analysis 4
CHE 483 Sensory Analysis of Beer and Wine 3
CHE 497 Fermentation Internship 12
BIO 385 Microbiology 4

Select one of the following 3
CJA 404 Drugs, Alcohol, and Crime (3)
PSY 440 Psychopharmacology (3)

Health Sciences Concentration, 43 credit hours

General Studies Requirement

MAT 140 Calculus I for CAT 3.

Content Requirements

BIO 220 Human Anatomy 4
BIO 320 Molecular Genetics 4
BIO 340 Human Physiology 4
CHE 314 Organic Chemistry I 4
CHE 315 Organic Chemistry II 4
CHE 326 Biochemistry I 4
MAT 180 Applied Probability and Statistics 3
PHY 301 University Physics I 4
PHY 321 Physics Laboratory I 1
PHY 302 University Physics II 4
PHY 322 Physics Laboratory II 1

Electives 6
CHE 380 Instrumental Analysis (4)
CHE 390 Inorganic Chemistry (3)
CHE 426 Biochemistry II (3)
CHE 456 Physical Chemistry: Thermodynamics (3)

Health Sciences 3+1 Option, 78 credit hours, 30 hours Clinical Year

This program requires 90 hours at WSC and is exempt from the requirement that the last 30 credit hours be taken at WSC.

Content Requirements, 78 credit hours

Pre-professional curriculum by advisement 78

Clinical Year, 30 hours

HSC 498 Clinical Program (no tuition requirement) 30
Successfully complete the first year of the approved professional program at a professional school awarding Master's or Doctoral degrees.

Health Sciences 2+2 Option, 48 credit hours, 60 hours Clinical Years

This program requires 60 hours at WSC and is exempt from the requirement that the last 30 credit hours be taken at WSC.

Content Requirements, 48 credit hours

Pre-professional curriculum by advisement 48

Clinical Years, 60 hours

HSC 498 Clinical Program (no tuition requirement) 60

Successfully complete the first two years of the approved professional program at a professional school awarding Master's or Doctoral degrees, where a Master's or Doctorate is the sole professional degree offered.

Chemistry Education (7-12)

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Subject Endorsement

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 72 credit hours

General Studies Requirement
MAT 130 Precalculus for CAT 3.
BIO 110 Biology Concepts for CAT 7.

Core Requirements, 12 credit hours
CHE 106 General Chemistry I 4
CHE 107 General Chemistry II 4
CHE 305 Analytical Chemistry 4

Content Requirements, 27 credit hours
CHE 314 Organic Chemistry I 4
CHE 326 Biochemistry I 4
CHE 393 Laboratory Techniques 1
CHE 456 Physical Chemistry: Thermodynamics 3
CHE 493 Laboratory Management 1
PHY 201 General Physics I 3
PHY 321 Physics Laboratory I 1

Select one of the following 4
EAS 110 Introduction to Meteorology (4)
EAS 120 Introduction to Geology (4)

Upper-level BIO, CHE, NAT, or PHY electives 6

Professional Education Requirements, 33 credit hours
EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Communication Studies

Communication Arts Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Communication Studies program prepares students for careers in corporate and community settings, education, healthcare, public relations, organizational leadership, civic leadership, organizational consulting, law, ministry, speech pathology, politics, theatre, performance, technical theatre production, and public service.

Student Learning Outcomes

1. Demonstrate knowledge of the basic concepts of communication.
2. Demonstrate communication skills.
3. Apply communication skills.

Concentrations within the major
Communication Studies
Organizational Leadership and Public Relations
Theatre Arts

Associated Degree Programs
English Language Arts Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Communication Studies Minor
Intercultural Workplace Communication Certificate
Promotion and Media Minor
Speech Education (7-12) Supplemental Endorsement
Theatre Education (7-12) Supplemental Endorsement
Theatre Minor

Program Participation Requirements
Each student is required to compile a portfolio of work examples from courses taken in the major. The portfolio is intended to act as additional evidence of student accomplishment and skills. Items can include, but are not limited to: student performances and speeches, resumes, video and audio productions, research reports, design projects, articles published, etc. A student's portfolio will be developed within CNA 455 or CNA 480. Students will be evaluated on knowledge, skill, and engagement in their program of study.

Program Requirements, 48 credit hours

General Studies Requirement
CNA 100 Principles of Human Communication for CAT 2.

Core Requirements, 18 credit hours

Select one of the following 3

CNA 201 Small Group Communication (3)
CNA 210 Interpersonal Communication (3)

CNA 252 Public Address 3
CNA 317 Argumentation 3
CNA 346 Organizational Communication I 3
CNA 442 Communication and Rhetorical Theory 3
CNA 455 Senior Seminar in Communication Arts 3

Content Requirements, 12 credit hours

Electives 12

BUS 208 Business Communications (3)
BUS 260 Management Theory and Practice (3)
BUS 270 Principles of Marketing (3)
BUS 367 Foundations of Human Resource Management (3)
BUS 374 Advertising and Integrated Marketing (3)
CNA 140/240/440 Intercollegiate Forensics (0-3)
CNA 263 Introduction to Mass Communication (3)
CNA 280 News Writing (3)
CNA 302 Language and Human Behavior (3)
CNA 318 Directing (3)
CNA 322 Children's Theatre (3) OR CNA 339/439 Musical Theatre (3)
CNA 333 American Theatre (3) OR CNA 386 Modern World Drama (3)
CNA 337 Costumes and Make Up for the Stage and Screen (3)
CNA 342 Persuasion (3)
CNA 352 Organizational Presentations (3)
CNA 374 Public Relations (3)
CNA 382 Movement Specialties: Combat for the Stage and Screen (3)
CNA 419 Advanced Directing (3)
CNA 426 Public Relations through Social Media (3)
CNA 431 Advanced Design (3)
CNA 443 Theatre Management (3)
CNA 450 Media Design Applications (3)
CNA 452 Public Relations Case Studies (3)
CNA 453 Integrated Brand Promotion (3)
CNA 457 Special Topics in Communication (3)
CNA 459 Organizational Leadership (3)
CNA 462 Communication Research Methods (3)
CNA 465 Qualitative Research Design (3)
CNA 470 Family Communication (3)
CNA 471 Mass Media and Society (3)
CNA 475 Communication Law (3)
PSY 435 Industrial/Organizational Psychology (3)
SSC 300 Social Sciences Research Methods (3)
SSC 319 Statistics for the Social Sciences (3)

Concentration Requirement, 18 credit hours
Select one of the following 18
Communication Studies
Organizational Leadership and Public Relations
Theatre Arts

Concentration Requirements

Communication Studies Concentration, 18 credit hours

Electives 18
CNA 140 Intercollegiate Forensics (0-3)
CNA 240 Intercollegiate Forensics (0-3)
CNA 302 Language and Human Behavior (3)
CNA 342 Persuasion (3)
CNA 352 Organizational Presentations (3)
CNA 418 Health Communication (3)
CNA 440 Intercollegiate Forensics (0-3)
CNA 448 Organizational Communication II (3)
CNA 451 Speech Pathology (3)
CNA 459 Organizational Leadership (3)
CNA 465 Qualitative Research Design (3)
CNA 467 Intercultural Communication (3)
CNA 470 Family Communication (3)
CNA 471 Mass Media and Society (3)
CNA 478 Communication Ethics (3)

Organizational Leadership and Public Relations Concentration, 18 credit hours

BUS 350 may be substituted for CNA 346 in the Core.

CNA 374 Public Relations 3
CNA 377 Public Relations Writing 3
CNA 459 Organizational Leadership 3
CNA 460 Leadership Theory 3

Select two of the following 6
CNA 262 Writing for the Mass Media (3)
CNA 301 Advertising Copywriting (3)
CNA 352 Organizational Presentations (3)
CNA 418 Health Communication (3)
CNA 448 Organizational Communication II (3)
CNA 450 Media Design Applications (3)
CNA 452 Public Relations Case Studies (3)
CNA 453 Integrated Brand Promotion (3)
CNA 458 Advanced News Writing and Reporting (3)
CNA 461 Case Studies in Organizational Leadership (3)
CNA 465 Qualitative Research Design (3)

CNA 467 Intercultural Communication (3)
CNA 478 Communications Ethics (3)
CNA 497 Communication Internship (3)

Theatre Arts Concentration, 18 credit hours

Must act in a minimum of two WSC Theatre mainstage productions and must assist with build for a minimum of two WSC Theatre mainstage productions.

General Studies Requirement

CNA 101 Introduction to Theatre for CAT 4.

Content Requirements

CNA T120/220/320/420 Theatre Workshop 3
CNA 223 Acting 3
CNA 232 Stagecraft 3
CNA 318 Directing 3

Select one of the following 3
CNA 333 American Theatre (3)
CNA 386 Modern World Drama (3)

Select one of the following 3
CNA 331 Scene Design (3)
CNA 387 Lighting (3)

Communication Studies (Subject Major)

Communication Arts Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Major

The Communication Studies program prepares students for careers in corporate and community settings, education, healthcare, public relations, organizational leadership, civic leadership, organizational consulting, law, ministry, speech pathology, politics, theatre, performance, technical theatre production, and public service.

Student Learning Outcomes

1. Demonstrate knowledge of the basic concepts of communication.
2. Demonstrate communication skills.
3. Apply communication skills.

Concentrations within the major
Communication Studies
Organizational Leadership and Public Relations
Theatre Arts

Associated Degree Programs
English Language Arts Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Communication Studies Minor
Intercultural Workplace Communication Certificate
Promotion and Media Minor
Speech Education (7-12) Supplemental Endorsement
Theatre Education (7-12) Supplemental Endorsement
Theatre Minor

Program Participation Requirements
Each student is required to compile a portfolio of work examples from courses taken in the major. The portfolio is intended to act as additional evidence of student accomplishment and skills. Items can include, but are not limited to: student performances and speeches, resumes, video and audio productions, research reports, design projects, articles published, etc. A student's portfolio will be developed within CNA 455 or CNA 480. Students will be evaluated on knowledge, skill, and engagement in their program of study.

Program Requirements, 36 credit hours

General Studies Requirement
CNA 100 Principles of Human Communication for CAT 2.

Core Requirements, 18 credit hours

Select one of the following 3
CNA 201 Small Group Communication (3)
CNA 210 Interpersonal Communication (3)

CNA 252 Public Address 3
CNA 317 Argumentation 3
CNA 346 Organizational Communication I 3
CNA 442 Communication and Rhetorical Theory 3
CNA 455 Senior Seminar in Communication Arts 3

Concentration Requirement, 18 credit hours

Select one of the following 30
Communication Studies
Organizational Leadership and Public Relations
Theatre Arts

Concentration Requirements

Communication Studies Concentration, 18 credit hours

Electives 18
CNA 140 Intercollegiate Forensics (0-3)
CNA 240 Intercollegiate Forensics (0-3)
CNA 302 Language and Human Behavior (3)
CNA 342 Persuasion (3)
CNA 352 Organizational Presentations (3)
CNA 418 Health Communication (3)
CNA 440 Intercollegiate Forensics (0-3)
CNA 448 Organizational Communication II (3)
CNA 451 Speech Pathology (3)
CNA 459 Organizational Leadership (3)
CNA 465 Qualitative Research Design (3)
CNA 467 Intercultural Communication (3)
CNA 470 Family Communication (3)
CNA 471 Mass Media and Society (3)
CNA 478 Communication Ethics (3)

Organizational Leadership and Public Relations Concentration, 18 credit hours

BUS 350 may be substituted for CNA 346 in the Core.

CNA 374 Public Relations 3
CNA 377 Public Relations Writing 3
CNA 459 Organizational Leadership 3
CNA 460 Leadership Theory 3

Select two of the following 6
CNA 262 Writing for the Mass Media (3)
CNA 301 Advertising Copywriting (3)
CNA 352 Organizational Presentations (3)
CNA 418 Health Communication (3)
CNA 448 Organizational Communication II (3)
CNA 450 Media Design Applications (3)
CNA 452 Public Relations Case Studies (3)
CNA 453 Integrated Brand Promotion (3)
CNA 458 Advanced News Writing and Reporting (3)
CNA 461 Case Studies in Organizational Leadership (3)
CNA 465 Qualitative Research Design (3)
CNA 467 Intercultural Communication (3)
CNA 478 Communications Ethics (3)
CNA 497 Communication Internship (3)

Theatre Arts Concentration, 18 credit hours

Must act in a minimum of two WSC Theatre mainstage productions and must assist with build for a minimum of two WSC Theatre mainstage productions.

General Studies Requirement
CNA 101 Introduction to Theatre for CAT 4.

Content Requirements
CNA T120/220/320/420 Theatre Workshop 3
CNA 223 Acting 3
CNA 232 Stagecraft 3
CNA 318 Directing 3

Select one of the following 3
CNA 333 American Theatre (3)
CNA 386 Modern World Drama (3)

Select one of the following 3
CNA 331 Scene Design (3)
CNA 387 Lighting (3)

Computer Information Systems

Computer Technology and Information Systems Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Computer Information Systems major provides a foundation of computing and associated skills, then adds specialized theory and skill set development in the concentration the student has selected. Students are prepared to keep pace with changes in information technologies and the organizations where those technologies are employed. Students will develop an understanding of the field, how to work independently and in groups within that field, and how to maintain professional relevance.

Student Learning Outcomes

1. Apply the foundational concepts of Computer Information Systems.
2. Work in team settings found in Computer Information Systems contexts.
3. Communicate in professional Computer Information Systems contexts.
4. Establish a plan for maintaining professional relevance in Computer Information Systems.
5. Apply an appropriate ethical framework to a Computer Information Systems ethical dilemma.

Concentrations within the major
Networking and Cybersecurity
Programmer/Analyst
Web Specialist
Integrated Technology Support

Associated Degree Programs
Computer Science

Associated Minors, Supplemental Endorsements and Certificates
Computer Science Minor
Information Technology (PK-12) Supplemental Endorsement
Management Information Systems Minor

Program Requirements, 57 credit hours

Core Requirements, 36 credit hours

CIS 132 Principles of Computing and Information Systems 3
CIS 171 Networking I 3
CIS 352 Introduction to Enterprise Computing 3
CIS 360 Computer Information Systems: Analysis and Design 3
CIS 366 Introduction to Database 3
CIS 372 Computer Hardware and Operating Systems 3
CIS 480 Seminar in Computer Information Systems 3
CSC 150 Programming Fundamentals I 3
CSC 165 Introduction to Web Development 3
CSC 380 Operating Systems 3

Select two of the following 6
BUS 142 Survey of Accounting (3)
BUS 208 Business Communications (3)
BUS 260 Management Theory and Practice (3)
BUS 270 Principles of Marketing (3)
BUS 366 Management Science (3)
BUS 408 Business Ethics (3)
BUS 418 Legal Environment of Business (3)
CNA 346 Organizational Communication I (3)
CNA 352 Organizational Presentations (3)
CNA 426 Public Relations through Social Media (3)

Concentration Requirement, 21 credit hours
Select one of the following 21
Integrated Technology Support
Networking and Cybersecurity
Programmer/Analyst
Web Specialist

Concentration Requirements

Integrated Technology Support Concentration, 21 credit hours

CIS 271 Networking II 3
CIS 369 IT Support and Management 3
CIS 430 Management Information Systems 3
CIS 472 Advanced Computer Hardware and Embedded Systems 3
CIS 477 Project Management 3
CSC 378 Robotics 3

Upper-level electives by advisement 3

Networking and Cybersecurity Concentration, 21 credit hours

CIS 271 Networking II 3
CIS 361 Software Engineering 3
CIS 371 Networking III 3
CIS 471 Networking IV 3
CIS 479 Network Design and Administration 3
CSC 160 Programming Fundamentals II 3

Upper-level electives by advisement 3

Programmer/Analyst Concentration, 21 credit hours

CIS 361 Software Engineering 3
CIS 466 Advanced Database 3
CIS 477 Project Management 3
CSC 160 Programming Fundamentals II 3
CSC 365 Scripting Languages 3

Upper-level electives by advisement 6

Web Specialist Concentration, 21 credit hours

CIS 361 Software Engineering 3
CIS 375 Introduction to E-Commerce 3
CIS 477 Project Management 3
CSC 365 Scripting Languages 3
CSC 465 Advanced Web Development 3

Upper-level electives by advisement 6

Computer Science

Computer Technology and Information Systems Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Computer Science major provides the foundational principles and concepts of computer science and mathematics essential for undergraduate study and beyond. The major also provides focused instruction that takes the student beyond that foundation and prepares the student for a range of employment opportunities and careers, but providing the theory, skill set development, professional competencies, understanding of the field, grasp of the organizational/societal contexts in which the field exists, and capabilities to remain relevant in the field.

Student Learning Outcomes

1. Apply the foundational concepts of Computer Science
2. Work in groups in modern Computer Science contexts
3. Communicate in professional Computer Science contexts
4. Establish a plan for maintaining professional relevance in Computer Science
5. Apply an appropriate ethical framework to a Computer Science scenario

Associated Degree Programs
Computer Information Systems Comprehensive Major

Associated Minors, Supplemental Endorsements and Certificates
Computer Information Systems Minor
Management Information Systems Minor
Information Technology (PK-12) Supplemental Endorsement

Program Requirements, 57 credit hours

General Studies Requirements
MAT 140 Calculus I for CAT 3.
PHY 326 Electronics for CAT 7.

Content Requirements, 57 credit hours

CIS 132 Principles of Computing and Information Systems 3
CIS 171 Networking I 3
CIS 360 Computer Information Systems: Analysis and Design 3
CIS 361 Software Engineering 3
CIS 366 Introduction to Database 3
CIS 372 Computer Hardware and Operating Systems 3
CSC 150 Programming Fundamentals I 3
CSC 160 Programming Fundamentals II 3
CSC 310 Data Structures 3
CSC 320 Computer Organization 3
CSC 345 Computer Graphics 3
CSC 363 Human-Computer Interaction 3

CSC 380 Operating Systems 3
CSC 450 Server Security and Management 3
CSC 480 Seminar in Computer Science 3
MAT 305 Discrete Mathematics 3

Electives 3
BUS 226 Business Statistics (3)
MAT 130 Precalculus (5)
MAT 180 Applied Probability and Statistics (3)
Upper-level MAT course by advisement

Electives 3
CIS 472 Advanced Computer Hardware and Embedded Systems (3)
CSC 390 Computer Science Practicum (3)
CSC 397 Computer Science Internship (3)
CSC 497 Computer Science Internship (3)

Upper-level CIS or CSC electives by advisement 3

Criminal Justice

Criminal Justice Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Subject Major

The Criminal Justice program is designed to provide students with the necessary practical knowledge and skills for careers in the Criminal Justice field. Students will study and apply the theoretical basis for understanding the legal, economic, political, and social environments in which the criminal justice system functions. Students interested in a degree in criminal justice often have a desire to serve their community in meaningful ways and at the same time uphold the law. Graduates will be prepared for careers in law enforcement, probation and parole, corrections, forensic crime scene and criminal investigations, corporate and private security, and social services. Students may also complete a degree in Criminal Justice and continue their education in graduate or law school. Students in the program can utilize the only stand-alone Crime Scene Investigations Laboratory of its kind in the region.

Student Learning Outcomes

1. Apply a theoretical foundation to case-based scenarios related to criminal justice.
2. Define pertinent criminal justice issues associated with their career-oriented goals.
3. Develop technical writing applications that illustrate a comprehensive knowledge of criminal justice material.

Program Requirements, 36 credit hours

Students must earn a grade of "C" or above in CJA 105, 200, 203, and 210.

General Studies Requirement
Foreign language is required for CAT 2.

Content Requirements, 36 credit hours

CJA 105 Introduction to Criminal Justice 3
CJA 200 Criminal Law 3
CJA 203 Police and Society 3
CJA 210 Juvenile Delinquency 3
CJA 304 Report Writing for Criminal Justice Professionals 3
CJA 320 Correctional Institutions 3
CJA 325 Community-Based Corrections 3
CJA 351 Criminal Procedure 3
CJA 430 Criminology 3
CJA 488 Criminal Justice Senior Seminar 3

Select two of the following, at least one upper-level 6
CJA 127 Introduction to Forensic Crime Scene Investigation (3)
CJA 226 Criminal Investigation (3)
CJA 235 Security and Loss Prevention (3)
CJA 360 Homeland Security and Terrorism (3)
CJA 370 Crime and the Media (3)

CJA 372 Environmental, White Collar, and Corporate Crime (3)
CJA 377 Gangs and Organized Crime (3)
CJA 380 Cybercrime (3)
CJA 382 Capital Punishment in America (3)
CJA 404 Drugs, Alcohol, and Crime (3)
CJA 405 Family Violence (3)
CJA 444 Topics in Criminal Justice (3)
CJA 451 Violent Crime and Victimology (3)
CJA 460 Emergency Management (3)
CJA 497 Internship (3)
SOC 220 Social Problems (3)
SOC 305 Sociology of Deviance (3)
SOC 320 Social Welfare (3)
SSC 300 Social Sciences Research Methods (3)
SSC 319 Statistics for the Social Sciences (3)

Early Childhood and Family Studies

Technology and Applied Sciences Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Early Childhood and Family Studies program prepares students to work with young children and their families in children's care and education settings. Students take early childhood and special education courses as well as a number of family and consumer science courses. Those pursuing this program become skilled in working with young children and administering early childhood programs. Career pathways include such positions as early childhood program coordinators, child development center directors, preschool teachers, family service workers, case study workers, and Head Start teachers.

Student Learning Outcomes

1. Plan culturally and developmentally appropriate instruction for young children.
2. Establish safe and healthy learning environments for young children.
3. Identify strategies to build positive relationships for work with young children and families.
4. Demonstrate administrative techniques of early childhood education programs.

Associated Degree Programs
Early Childhood Inclusive Education (B-3) Field Endorsement
Family and Consumer Sciences

Associated Minors, Supplemental Endorsements and Certificates
Family Life Studies Minor

External Licensure or Certification Information
480 hours of experience also required for Child Development Associate credential (CDA), see the department chair. Not for certification.

Program Requirements, 57 credit hours

FCS 315 Consumer Economics is recommended.

General Studies Requirement
FCS 207 Nutrition for CAT 9.

Content Requirements, 57 credit hours

EDU 216 Children's Literature 3
EDU 230 Integrating Creative Arts for Children 3
EDU 303 Developmentally Appropriate Practices for the Young Child 3
FCS 108 Introduction to Family and Consumer Sciences 1
FCS 120 Introduction to Early Childhood Education 2
FCS 205 Meal Management 3
FCS 220 Infants and Toddlers 3
FCS 306 Family Resource Management 3

FCS 310 Parenting 3
FCS 313 Techniques in Professional Presentation 3
FCS 317 Nutrition Through the Life Cycle 3
FCS 325 Health, Safety, and Nutrition for the Young Child 3
FCS 335 The Pre-School Age Child 3
FCS 410 Professional Development in Family and Consumer Sciences 2
FCS 412 Guiding the Young Child 3
FCS 416 Family and Consumer Sciences Practicum 3
FCS 430 Organization and Administration of Early Childhood Education Programs 3
SPD 260 Characteristics: Birth through Age 8 1
SPD 302 Inclusion and Co-teaching in General Education 3

Select one of the following 3
FCS 104 Principles of Food Preparation (3)
FCS 107 Principles of Baking (3)

Select one of the following 3
FCS 110 Family and Personal Relationships (3)
FCS 115 Human Development and the Family (3)

Early Childhood Inclusive Education (B-3)

Department Educational Foundations and Leadership
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Field Endorsement

The Birth – Grade 3 Early Childhood Education Field Endorsement is an education preparation program within the School of Education and Behavioral Sciences (EBS) and is governed by all requirements established and set forth by the School. This field endorsement serves to develop the knowledge, understanding, skills, and competencies for teaching infants, as well as children through grade 3.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Utilize evidence-based inclusive practices to develop meaningful learning experiences for students in early childhood settings (infants to grade 3).

Endorsement Requirements, 71-77 credit hours

General Studies Requirement
MAT 210 Mathematics for Elementary School Teachers I for CAT 3.

Content Requirements, 46 credit hours
EDU 216 Children's Literature 3
EDU 217 Diverse Family Systems 2
EDU 230 Integrating Creative Arts for Children 3
EDU 303 Developmentally Appropriate Practices for the Young Child 3
EDU 320 Instructional Media and Technology 2
EDU 332 Development of Language Arts in the Elementary and Middle School 3
EDU 340 Early Reading 3
EDU 430 Literacy Assessment 3
EDU 432 Development of Mathematics in the Elementary and Middle School 3
FCS 120 Introduction to Early Childhood Education 2
FCS 220 Infants and Toddlers 3
FCS 325 Health, Safety, and Nutrition for the Young Child 3
FCS 335 The Pre-School Age Child 3
FCS 430 Organization and Administration of Early Childhood Education Programs 3
SPD 260 Characteristics: Birth through Age 8 1
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 452 Consultation and Collaboration 3

Professional Education Requirements, 25-31 credit hours
EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
FCS 412 Guiding the Young Child 3

SPD 160 Introduction to Special Education 3
SPD 435 Classroom Management through Social Emotional Learning K-6 3
EDU 435 Practicum Experience II 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 450 Clinical Practice and Seminar for Early Childhood 6-12

Elementary Education (K-6)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Field Endorsement

The K-6 Elementary Education Field Endorsement is an educator preparation program within the School of Education and Behavioral Sciences (EBS) and is governed by all requirements established and set forth by the School. This field endorsement serves to develop the knowledge, understanding, skills, and competencies for teaching children in grades K-6 or K-8 self-contained classrooms.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Utilize evidence-based inclusive practices to develop meaningful learning experiences for students in elementary school settings (K-8).

Certification Information
In addition to accreditation and certification information common to all educator preparation programs, the following information applies specifically to this endorsement.

To meet state certification requirements, 33 hours minimum of coursework must come from the following areas:

- English Language Arts (9 hours of CNA 100, ENG 102, and a literature course)
- Mathematics (6 hours of MAT 210 and MAT 215)
- Science (6 hours)
- Social Studies (6 hours)
- Fine Arts (3 hours)
- Health and Wellness (3 hours)

Students transferring from a Nebraska community college with an AA or AS degree may have to take additional courses to meet state requirements.

Endorsement Requirements, 73 credit hours

General Studies Requirements
ENG 102 Composition Skills for CAT 1.
CNA 100 Principles of Human Communication for CAT 2.
MAT 210 Mathematics for Elementary School Teachers I for CAT 3.

Content Requirements, 41 credit hours
ART 315 Art and Creative Process in Education 2
EDU 216 Children's Literature 3
EDU 217 Diverse Family Systems 2
EDU 318 Professional Communication 3
EDU 320 Instructional Media and Technology 2
EDU 331 Development of Physical Education and Health in the Elementary School 3
EDU 332 Development of Language Arts in the Elementary and Middle School 3

EDU 340 Early Reading 3
EDU 341 Intermediate Reading 3
EDU 423 Development of Social Studies in the Elementary and Middle School 3
EDU 430 Literacy Assessment 3
EDU 431 Development of Science in the Elementary and Middle School 3
EDU 432 Development of Mathematics in the Elementary and Middle School 3
MAT 215 Mathematics for Elementary Teachers II 3
MUS 214 Music and Creative Process in Education 2

Professional Education Requirements, 32 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 302 Curriculum, Standards, and Assessment in Elementary School 3
EDU 335 Practicum Experience I 1
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 435 Classroom Management through Social Emotional Learning K-6 3
EDU 435 Practicum Experience II 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 452 Clinical Practice and Seminar for Elementary School 12

(Optional) Concentration Requirements

Mathematics Concentration for Elementary Teachers, 22 credit hours

A mathematics concentration for elementary teachers provides content background for being a mathematics specialist in elementary education.

MAT 130 Precalculus 5
MAT 140 Calculus I 5
MAT 210 Mathematics for Elementary School Teachers I 3
MAT 215 Mathematics for Elementary School Teachers II 3

MAT Electives numbered 180 or above 6

Engineering Technology

Technology and Applied Sciences Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The offerings in the Engineering Technology major focus on the career track for a student becoming an engineering technologist. The engineering technologist is a specialist devoted to the practical applications of implementing existing technology within an industry. Technologists often work with engineers in a wide variety of technology projects and improvements. In general, the work of engineers emphasizes the theoretical aspects of mathematics, science, and engineering principles and the engineering technologist's' work is hands-on.

Student Learning Outcomes

1. Apply engineering theories and concepts to solve technical problems.
2. Utilize equipment and technology that is relevant to the engineering industry.
3. Demonstrate effective skills in written, oral, and graphical communication.
4. Work in a team environment to solve engineering problems.

Associated Degree Programs
Industrial Technology
Skilled and Technical Sciences Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Construction Minor
Drafting Minor
Manufacturing Management Minor
Safety Management Minor
Skilled and Technical Sciences Education/Skilled Specific (9-12) Supplemental Endorsement

Program Requirements, 57 credit hours

ITE 111 Introduction to Safety is recommended.

Content Requirements, 57 credit hours

BUS 485 Introduction to Predictive Analytics 3
CHE 106 General Chemistry I 4
CIS 477 Project Management 3
ECO 345 Engineering Economics 3
ITE 114 Introduction to Applied Engineering and Technology 3
ITE 205 Introduction to Manufacturing Technology 3
ITE 212 Material Science-Strength of Materials 3
ITE 219 Mechanical and Engineering Drafting 3
ITE 220 Introduction to Manufacturing Operations 3
ITE 303 Composite Materials 3
ITE 322 Fundamentals of CNC Machining 3
ITE 403 Electronics and Control Systems 3

ITE 421 Computer Integrated Manufacturing and Robotics 3
ITE 422 Advanced CIM and Robotics 3
ITE 497 Internship 5-6

Select one of the following 5
MAT 130 Precalculus (5)
MAT 140 Calculus I (5)

Select one of the following 3-4
PHY 201 General Physics I (3)
PHY 301 University Physics I (4)

English

Language and Literature Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Major

Our mission is to provide our students with tools and opportunities to be highly literate, broadly educated graduates who are able to think critically, make informed decisions, and express themselves creatively. Students will appreciate the complexity of language, know how to communicate in speech and writing, and understand and value literature. Students will identify major eras, works, and writers of literature in English; describe the interaction between literature and culture; analyze and evaluate works of literature in English; communicate effectively in writing in a variety of genres; describe the structure of language and its development; describe how social and cultural factors influence language; and locate and synthesize information from a variety of sources. A degree in English will deepen students' knowledge and prepare them for careers deeply rooted in language and rhetoric—careers such as an educator, author, editor, copywriter, publisher, policy or grant writer, librarian, legal or technical writer, speechwriter, reporter, public relations, and theatre.

Student Learning Outcomes

1. Analyze works of literature in English.
2. Evaluate works of literature in English.
3. Explain how social, philosophical, and cultural factors influence language and literature.
4. Demonstrate effective skills in written communication for a range of genres, purposes, and audiences.

Concentrations within the major
English Literature
English Writing

Associated Degree Programs
English Language Arts Education (6-12) Field Endorsement
English Writing and Literature
Secondary English Education (6-12) Subject Endorsement

Associated Minors, Supplemental Endorsements and Certificates
English Minor
Creative Writing Minor
Editing and Publishing Minor
International Studies Minor
English as a Second Language Education (PK-12) Supplemental Endorsement

Program Requirements, 33-36 credit hours

The B.A. degree is preferred for English majors and required for the Literature concentration major.

Core Requirements, 15 credit hours

Select one of the following 3
ENG 150 Topics in Literature (3)
ENG 260 Studies in Genre (3)
ENG 280 Themes and Movements in Literature (3)

Select one of the following 3
ENG 200 Expository Writing (3)
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)

ENG 270 Critical Approaches to Literature 3

Select one of the following 3
ENG 383 Film and Literature (3)
ENG 384 World Literature (3)

ENG 480 Senior Seminar 3

Concentration Requirement, 18-21 credit hours

Select one of the following 18-21
English Literature, 21 credit hours
English Writing, 18 credit hours

Concentration Requirements

English Literature Concentration, 21 credit hours

ENG 361 American Literature I 3
ENG 362 American Literature II 3
ENG 371 British Literature I 3
ENG 372 British Literature II 3
ENG 380 Shakespeare 3

Select one of the following 3
ENG 381 Classical Mythology (3)
ENG 382 The Bible as Literature (3)

Electives 3
PHI 310 Logic (3)
Upper-level ENG course
Upper-level foreign language course

English Writing Concentration, 18 credit hours

ENG 426 Linguistic Theory and Applications 3

Select two of the following 6
ENG 200 Expository Writing (3)
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)
ENG 206 Workplace Writing (3)

Select two of the following 6
ENG 402 Advanced Poetry Workshop (3)
ENG 403 Advanced Fiction Workshop (3)
ENG 404 Advanced Creative Nonfiction Workshop (3)

Select one of the following 3
PHI 310 Logic (3)
Upper-level ENG course

English Language Arts Education (6-12)

Communication Arts Department
Language and Literature Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Field Endorsement

A person with this endorsement may teach and direct curricular and co-curricular activities in composition, language, literature, speech, theatre, mass communication, journalism, and reading in grades 6 through 12. This endorsement requires 54 credit hours in journalism, language, literature, mass communication, reading, speech, theatre, and writing.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 88 credit hours

Content Requirements, 54 credit hours

Reading
ENG 443 Young Adult Literature 2
ENG 444 Developmental Reading in Middle and Secondary Schools..... 2

Language
CNA 302 Language and Human Behavior 3
ENG 426 Linguistic Theory and Applications 3
ENG 441 Traditional English Grammar..... 1

Composition
Select one of the following 3
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)
ENG 205 Play Writing/Screen Writing (3)

ENG 442 Teaching Writing..... 2

Speech
Electives 3
CNA 140/240/440 Intercollegiate Forensics (0-3)
CNA 447 Directing Communication Activities (3)

Select one of the following 3
CNA 201 Small Group Communication (3)
CNA 210 Interpersonal Communication (3)

Literature

ENG 270 Critical Approaches to Literature 3

Select one of the following 3
ENG 361 American Literature I (3)
ENG 362 American Literature II (3)

Select one of the following 3
ENG 371 British Literature I (3)
ENG 372 British Literature II (3)

Select one of the following 3
ENG 380 Shakespeare (3)
ENG 381 Classical Mythology (3)
ENG 382 The Bible as Literature (3)

Select one of the following 3
CNA 455 Senior Seminar in Communication Arts (3)
ENG 480 Senior Seminar (3)

Mass Media

Select one of the following 3
CNA 263 Introduction to Mass Communication (3)
CNA 383 Film and Literature (3)

Dramatic Arts

CNA T120/220/320/420 Theatre Workshop 2
CNA 223 Acting 3
CNA 432 Play Production for Secondary Schools 3

Journalism

CNA 280 News Writing 3
CNA 290 Editing and Copy Editing 3

Professional Education Requirements, 34 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 409 Content Area Methods and Assessment (Communication Arts) 3
EDU 409 Content Area Methods and Assessment (English) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

English Writing and Literature

Language and Literature Department
School of Arts and Humanities
Bachelor of Arts
Comprehensive Major

Our mission is to provide our students with tools and opportunities to be highly literate, broadly educated graduates who are able to think critically, make informed decisions, and express themselves creatively. Students will appreciate the complexity of language, know how to communicate in speech and writing, and understand and value literature. Students will identify major eras, works, and writers of literature in English; describe the interaction between literature and culture; analyze and evaluate works of literature in English; communicate effectively in writing in a variety of genres; describe the structure of language and its development; describe how social and cultural factors influence language; and locate and synthesize information from a variety of sources. A degree in English will deepen students' knowledge and prepare them for careers deeply rooted in language and rhetoric—careers such as an educator, author, editor, copywriter, publisher, policy or grant writer, librarian, legal or technical writer, speechwriter, reporter, public relations, and theatre.

Student Learning Outcomes

1. Analyze works of literature in English.
2. Evaluate works of literature in English.
3. Explain how social, philosophical, and cultural factors influence language and literature.
4. Demonstrate effective skills in written communication for a range of genres, purposes, and audiences.

Associated Degree Programs

English
English Language Arts Education (7-12) Field Endorsement
Secondary English Education (7-12) Subject Endorsement

Associated Minors, Supplemental Endorsements and Certificates

English Minor
Creative Writing Minor
Editing and Publishing Minor
International Studies Minor
English as a Second Language Education (PK-12) Supplemental Endorsement

Program Requirements, 51 credit hours

Core Requirements, 15 credit hours

Select one of the following 3
ENG 150 Topics in Literature (3)
ENG 260 Studies in Genre (3)
ENG 280 Themes and Movements in Literature (3)

Select one of the following 3
ENG 200 Expository Writing (3)
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)

ENG 270 Critical Approaches to Literature 3

Select one of the following 3
ENG 383 Film and Literature (3)
ENG 384 World Literature (3)

ENG 480 Senior Seminar 3

English Literature Requirements, 18 credit hours
ENG 361 American Literature I 3
ENG 362 American Literature II 3
ENG 371 British Literature I 3
ENG 372 British Literature II 3
ENG 380 Shakespeare 3

Select one of the following 3
ENG 381 Classical Mythology (3)
ENG 382 The Bible as Literature (3)

English Writing Requirements, 18 credit hours
ENG 426 Linguistic Theory and Applications 3

Select two of the following 6
ENG 200 Expository Writing (3)
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)
ENG 206 Workplace Writing (3)

Select two of the following 6
ENG 402 Advanced Poetry Workshop (3)
ENG 403 Advanced Fiction Workshop (3)
ENG 404 Advanced Creative Nonfiction Workshop (3)

Electives 3
PHI 310 Logic (3)
Upper-level ENG course

Exercise Science

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Comprehensive Major

Exercise Science is a comprehensive undergraduate major providing students with a broad exposure to basic and applied sciences of health and exercise. Students will gain knowledge and skill sets to support successful employment, meet requirements for professional certifications, or pursue graduate studies in a variety of exercise, fitness, and allied health settings and professions. The Exercise Science program provides academic, research, conference, and practical field opportunities for students to develop professional connections and the capability of becoming leaders in their careers and communities.

Student Learning Outcomes

1. Apply the foundational sciences of Anatomy, Physiology, Exercise Physiology and Biomechanics to fitness and health.
2. Assess risk factor, health status, and fitness level, to develop safe and effective exercise prescriptions for healthy, athletic, and clinical populations.
3. Advise individuals regarding evidence-based exercise and lifestyle modifications.
4. Integrate program knowledge, skills, and abilities in a professional exercise or allied health internship setting.

Associated Degree Programs

Applied Human and Sport Physiology
Health and Physical Education (PK-12) Field Endorsement
Physical Education (PK-6) Subject Endorsement
Physical Education (7-12) Subject Endorsement

Associated Minors, Supplemental Endorsements and Certificates

Coaching Minor
Exercise Science Minor

Program Requirements, 55 credit hours

A student must meet the following requirements before being allowed to enter the Fieldwork (12 credit internship) required for completion of the Exercise Science major.

- Completion of all General Studies requirements.
- Completion of all Exercise Science major courses
- Completion of a minimum of 108 credit hours
- Obtain a grade of B (3.0) or higher in PED 470
- Have a cumulative Grade Point of 2.5 or higher
- Proof of First Aid and CPR certification from approved national organization requiring face-to-face skills demonstration, which is current through the end of the following courses: PED 472, 473, and 493

PED 105 Anatomy and Physiology I 3
PED 130 Introduction to Exercise and Allied Health Professions 3
PED 205 Anatomy and Physiology II 3
PED 207 Athletic Performance and Nutrition 3
PED 227 Weight Training 1
PED 305 Exercise Physiology 3
PED 330 Research and Current Trends in Exercise Science 3
PED 351 Biomechanics 3
PED 357 Principles of Strength and Conditioning 3
PED 400 Exercise and Clinical Populations 3

Select one of the following 3
PED 411 Sport Marketing and Promotion (3)
PED 464 Facility Management in Sport and Wellness (3)

PED 470 Fitness Evaluation and Assessment 3
PED 471 Tests and Measurements 3
PED 472 Advanced Fitness Assessment, Exercise Prescription, and Applied Research 3
PED 473 Applications of Physical Fitness and Program Design 3
PED 493 Fieldwork in Exercise Science 12

Family and Consumer Sciences

Technology and Applied Sciences Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

Students in this program work towards a bachelor's degree in Family and Consumer Sciences with a concentration in Family and Consumer Sciences, Family and Consumer Sciences Occupational (Field Endorsement), Fashion Merchandising, Foods and Nutrition, or Interior Design. Program graduates may be employed in a wide variety of settings including non-profit agencies, businesses, and education. The courses are beneficial to students both personally and professionally who find family and consumer sciences a means to the enrichment of living for individuals, families, and communities.

Student Learning Outcomes

1. Communicate effectively in Family and Consumer Sciences settings.
2. Apply Family and Consumer Sciences knowledge and skills to common issues/concerns for individuals, families and communities.
3. Utilize critical thinking for problem solving in Family and Consumer Sciences settings.
4. Portray the qualities and conduct expected of Family and Consumer Sciences professionals.

Concentrations within the major
Family and Consumer Sciences
Fashion Merchandising
Foods and Nutrition
Interior Design

Associated Degree Programs
Early Childhood and Family Studies
Family and Consumer Sciences Occupational Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Family Life Studies Minor
Foods and Nutrition Minor
Health Sciences Education (6-12) Supplemental Endorsement
Merchandising and Design Minor

Program Requirements, 57 credit hours

General Studies Requirement
FCS 207 Nutrition for CAT 9.

Core Requirements, 18 credit hours
FCS 108 Introduction to Family and Consumer Sciences 1
FCS 313 Techniques in Professional Presentation..... 3
FCS 315 Consumer Economics 3
FCS 410 Professional Development in Family and Consumer Sciences 2

Select one of the following 3
FCS 103 Clothing Construction (3)
FCS 302 Textiles (3)

Select one of the following 3
FCS 110 Family and Personal Relationships (3)
FCS 115 Human Development and the Family (3)

Select one of the following 3
FCS 240 Design and Interior Environments (3)
FCS 305 Housing Development and Design (3)

Concentration Requirement, 33-39 credit hours
Select one of the following 33-39
Family and Consumer Sciences, 39 credit hours
Fashion Merchandising, 38 credit hours
Foods and Nutrition, 33-36 credit hours
Interior Design, 39 credit hours

Concentration Requirements

Family and Consumer Sciences Concentration, 39 credit hours

Requires FCS 103 Clothing Construction and FCS 115 Human Development and the Family in the core.

FCS 110 Family and Personal Relationships 3
FCS 205 Meal Management 3
FCS 302 Textiles 3
FCS 306 Family Resource Management 3
FCS 308 Household Technology 3
FCS 403 Fashion Analysis 3

Select one of the following 3
FCS 104 Principles of Food Preparation (3)
FCS 107 Principles of Baking (3)

Select one of the following 3
FCS 310 Parenting (3)
FCS 412 Guiding the Young Child (3)

FCS electives by advisement 15

Fashion Merchandising Concentration, 38 credit hours

Requires FCS 103 Clothing Construction in the core.
FCS 416 Family and Consumer Sciences Practicum is recommended.
A Business Administration minor is recommended.

BUS 142 Survey of Accounting 3
BUS 222 Business Law I 3
BUS 260 Management Theory and Practice 3
BUS 270 Principles of Marketing 3
FCS 106 Introduction to Fashion Industry 2
FCS 202 Clothing Design 3
FCS 204 Fashion Illustration 3
FCS 302 Textiles 3
FCS 303 Fashion Retailing 3
FCS 304 Computer Applications for Fashion and Retail 3
FCS 312 Historic Costume 3
FCS 318 Soft Furnishings 3
FCS 403 Fashion Analysis 3

Foods and Nutrition Concentration, 33-36 credit hours

FCS 104 Principles of Food Preparation 3
FCS 107 Principles of Baking 3
FCS 205 Meal Management 3
FCS 306 Family Resource Management 3
FCS 308 Household Technology 3
FCS 317 Nutrition Through the Life Cycle 3
FCS 322 International Foods and Cultures 3
FCS 340 Community Nutrition 3
FCS 407 Nutritional Counseling and Assessment 3

Electives 6-9
BUS 142 Survey of Accounting (3)
BUS 222 Business Law I (3)
BUS 260 Management Theory and Practice (3)
BUS 270 Principles of Marketing (3)
BUS 367 Foundations of Human Resource Management (3)
CHE 106 General Chemistry I (4)
CHE 107 General Chemistry II (4)
CHE 208 Introductory Organic Chemistry (4)
FCS 416 Family and Consumer Sciences Practicum (3)
PED 105 Anatomy and Physiology I (3)
PED 130 Introduction to Exercise and Allied Health Professions (3)
PED 207 Athletic Performance and Nutrition (3)
PGH 200 Introduction to Personal, Public and Global Health (3)

Interior Design Concentration, 39 credit hours

Requires FCS 302 Textiles in the core.
FCS 416 Family and Consumer Sciences Practicum is recommended.
A Business Administration minor or Art minor is recommended.

BUS 142 Survey of Accounting 3
FCS 240 Design and Interior Environments..... 3
FCS 242 Techniques of Interior Design 3
FCS 308 Household Technology 3
FCS 318 Soft Furnishings 3
FCS 408 Applied Concepts of Interior Design 3
FCS 420 Professional Studies in Interior Design 3
ITE 211 Architectural and Industrial Finishing 3
ITE 214 Residential Drawing 3
ITE 314 Architectural Design 3

Select one of the following 3
ART 244 Art History Survey I (3)
ART 245 Art History Survey II (3)
ART 440 Multicultural Arts (3)

Select one of the following 3
BUS 222 Business Law I (3)
BUS 270 Principles of Marketing (3)

Select one of the following 3
BUS 260 Management Theory and Practice (3)
BUS 327 Principles of Real Estate (3)

Family and Consumer Sciences Occupational Education (6-12)

Technology and Applied Sciences Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Field Endorsement

Students planning to teach family and consumer sciences subjects in secondary schools (grades 6-12) should work toward the major in family and consumer sciences with the field endorsement in Family and Consumer Sciences Occupational. Students will take a variety of classes in the different areas of Family and Consumer Sciences to prepare for a career in educational settings.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 84 credit hours

General Studies Requirement
FCS 207 Nutrition for CAT 9.

Work Experience
This endorsement is available only to those persons who have either A) 1,000 verified hours of paid work experience relevant to the career field; or B) at least 300 hours of supervised work experience relevant to the career field under the direction of the college.

Core Requirements, 18 credit hours
FCS 103 Clothing Construction 3
FCS 108 Introduction to Family and Consumer Sciences 1
FCS 110 Family and Personal Relationships 3
FCS 313 Techniques in Professional Presentation 3
FCS 315 Consumer Economics 3
FCS 410 Professional Development in Family and Consumer Sciences 2

Select one of the following 3
FCS 240 Design and Interior Environments (3)
FCS 305 Housing Development and Design (3)

Content Requirements, 33 credit hours
CED 417 Principles of Career Education 3
CED 423 Coordinating Techniques 3
FCS 115 Human Development and the Family 3
FCS 205 Meal Management 3
FCS 302 Textiles 3
FCS 306 Family Resource Management 3
FCS 314 Organization and Administration of Family and Consumer Sciences Programs 3

Select one of the following 3
FCS 104 Principles of Food Preparation (3)
FCS 107 Principles of Baking (3)

Select one of the following 3
FCS 202 Clothing Design (3)
FCS 403 Fashion Analysis (3)

Select one of the following 3
FCS 220 Infants and Toddlers (3)
FCS 335 The Pre-School Age Child (3)

Select one of the following 3
FCS 310 Parenting (3)
FCS 325 Health, Safety, and Nutrition for the Young Child (3)

Professional Education Requirements, 33 credit hours
EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Geography Education (6-12)

History, Politics, and Geography Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The study of Geography focuses on the study of the natural and human systems of the earth as well as the interconnectedness of its physical, political, economic, and cultural development. The 6-12 Geography Subject Endorsement is designed to prepare students for teaching careers at the junior and senior high school levels.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 75 credit hours

No course with a grade below "C" will be accepted. This endorsement includes 9 hours of the General Studies history and social sciences requirements.

1. Interpret primary materials/sources.
2. Analyze the strengths and weaknesses of scholarly arguments.
3. Critique views of civic or world issues.
4. Demonstrate communication skills in writing and/or speech.

Core Requirements, 12 credit hours

GEO 120 World Regional Geography 3
GEO 315 World Economic Geography 3

Select one of the following HIS courses..... 3
HIS 310 The Renaissance and Reformation (3)
HIS 315 The Age of Enlightenment (3)
HIS 360 Colonial and Revolutionary America (3)
HIS 385 America, 1945 to the Present (3)
HIS 425 History of the British Empire (3)
HIS 447 War and Society in World History (3)

Select one of the following POS courses..... 3
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 365 Comparative Government and Politics (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 445 Public Administration and Management (3)

Content Requirements, 30 credit hours

The electives must contain at least 9 upper-level credit hours.

GEO 130 Physical Geography 3
GEO 300 Human Geography 3
GEO 305 Political Geography 3

GEO electives 15
Social Science electives other than GEO 6

Professional Education Requirements, 33 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment (Social Sciences) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Health and Physical Education (PK-12)

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Field Endorsement

The program of study for a Field Endorsement in PK-12 Health and Physical Education is designed to provide students with opportunities to develop basic knowledge, understanding, and skills necessary for careers in health, physical education, recreation, athletics, coaching, and sport management.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 88 credit hours

PED 220 is variable activities, so may be repeated by advisement.

Content Requirements, 55 credit hours

PED 105 Anatomy and Physiology I 3
PED 151 Introduction to Health and Physical Education 2
PED 171 Elementary School Health and Physical Education 3
PED 200 Introduction to Motor Learning and Development 3
PED 205 Anatomy and Physiology II 3
PED 207 Athletic Performance and Nutrition 3
PED 242 CPR/AED Certification 1
PED 243 First Aid Certification 1
PED 250 Strategies in Drug Education 3
PED 287 Computer Applications in HHPS 3
PED 305 Exercise Physiology 3
PED 341 Organization, Administration, and Curriculum Development of Secondary Health and Physical Education 3
PED 346 Organization, Administration, and Curriculum Development of Elementary Health and Physical Education 3
PED 351 Biomechanics 3
PED 361 Methods and Materials in Health and Physical Education 3
PED 381 Physical Education Practicum 2
PED 407 Motor Perception and Adaptives for Special Populations 3
PED 470 Fitness Evaluation and Assessment 3
PED 471 Tests and Measurements 3

Select four of the following activity courses 4
PED 220 Fitness and Recreation Activities (1)
PED 224 Fitness and Pickle-Ball (1)
PED 227 Weight Training (1)
PED 229 Aerobic Dance (1)
PED 230 Tennis and Racquetball (1)

Professional Education Requirements, 33 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
SPD 302 Inclusion and Co-teaching in General Education 3

Select one of the following 3
SPD 435 Classroom Management through Social Emotional Learning K-6 (3)
SPD 436 Classroom Management through Social Emotional Learning 7-12 (3)

EDU 452 Clinical Practice and Seminar for Elementary School 6
EDU 456 Clinical Practice and Seminar for the Secondary School 6

History Education (6-12)

History, Politics, and Geography Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Endorsement

History is a field of study designed to help the student understand something of human nature through an understanding of the past. The 6-12 History Subject Endorsement is designed to prepare students for teaching careers at the junior and senior high school levels.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

1. Interpret primary materials/sources.
2. Analyze the strengths and weaknesses of scholarly arguments.
3. Critique views of civic or world issues.
4. Demonstrate communication skills in writing and/or speech.

Endorsement Requirements, 78 credit hours

This endorsement includes 9 hours of the General Studies requirements.

Core Requirements, 12 credit hours

GEO 120 World Regional Geography 3
HIS 385 America, 1945 to the Present 3

Select one of the following POS courses 3
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 365 Comparative Government and Politics (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 445 Public Administration and Management (3)

Select one of the following 3
SSC 490 Social Sciences Research Seminar (3)
Or appropriate Honors Course 395 or 499 (3)

Content Requirements, 33 credit hours

HIS 170 World Civilizations I 3
HIS 171 World Civilizations II 3
HIS 280 America, 15000 BC to 1845 3
HIS 281 America, 1845-1945 3
POS 100 American National Government 3

U.S. upper-level History electives 3
Non-U.S. upper-level HIS electives 6

Upper-level HIS electives 9

Professional Education Requirements, 33 credit hours

EDU 150 Introduction to Professional Education..... 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas..... 2
EDU 409 Content Area Methods and Assessment (Social Sciences) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School..... 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Human Services

Counseling Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Major

Human Services is a baccalaureate degree program, housed in the Counseling Department, designed to prepare undergraduate students to work in the helping professions. The program is built on a strong foundation of psychology and sociology to develop understanding of individuals and the influence of social interaction. Human Services theory and skills enable students to work with people toward functional ways of meeting their needs. The program is based on the philosophy of empowerment of clients. Program outcomes include the preparation of human service professionals who (a) have the skills to attend, listen, reflect, clarify, probe, plan and evaluate, (b) have the ability to understand problems from clients' perspectives, establish mutually acceptable goals, and choose appropriate strategies, and (c) show self- awareness, empathy, and respect for clients.

Student Learning Outcomes

1. Demonstrate knowledge of human services content designated by national accreditation standards for human services professionals.
2. Demonstrate competent skills and professional dispositions as an entry-level human services professional in a supervised internship setting.
3. Demonstrate competence in obtaining, synthesizing, and effectively communicating information from various sources, including emerging technologies.

Associated Degree Programs

Criminal Justice
Family and Consumer Sciences
Psychology
Sociology

Associated Minors, Supplemental Endorsements and Certificates

Criminal Justice Minor
Psychology Minor
Sociology Minor

Admission to the Program

Admission to WSC does not constitute admission to the Human Services Program. Students will be accepted into the program following completion of requirements for program:

1. File a formal application in HUS 202 Introduction to Human Services. The application must include the names of two people who would be knowledgeable of personal qualities conducive to success within the human services profession. Students who transfer credit, including this course, must apply during the transfer semester.
2. Earn at least a "C" grade in CNA 100 Principles of Human Communication and continue to demonstrate the ability to communicate orally in an effective way. CNA 100 is required in CAT 2.

3. Earn at least a "C" grade in ENG 102 Composition Skills and continue to demonstrate the ability to communicate effectively in writing. Human Services faculty expect students to seek writing/academic assistance as needed.
4. Earn at least a "C" in all courses associated with the major. (HUS 342 Interviewing Skills and HUS 497 Internship require a minimum of a "B-").
5. PSY 101 General Psychology is strongly recommended in CAT 5 to take upper-level PSY courses. SOC 220 Social Problems is highly recommended for CAT 8.
6. Achieve and maintain at least a 2.5 GPA in the major.
7. Demonstrate professional dispositions consistent with the human services professional and ethical standards outlined by the National Organization for Human Services (NOHS).
8. Sign a notarized Student Affirmation showing no felony convictions, nor misdemeanor convictions involving abuse, neglect, or injury to any person, nor any other convictions involving moral turpitude. If there are convictions, submit court records with an explanation of actions taken to prevent additional convictions. ANY further convictions must be brought to the attention of the Field Experience Office immediately after conviction.
9. Should a student demonstrate concerns for practice in the human services field (e.g., a lack of professional dispositions or skills, minimal academic performance, ethical violations, or criminal behavior), the student's concern will be addressed by the Counselor Assessment Remediation Education (CARE) Committee. A student may request a hearing before the CARE Committee at any time in relation to their program status.
10. Students granted or rejected admission will be notified by written communication. An appeal may be made to the Dean of Education and Behavioral Sciences.

Admission to the Professional Seminar

The professional seminar is designed to prepare the student for placement in the Human Services Internship.

To be admitted to the seminar, a student must meet the following requirements:

1. Officially admitted into the Human Services Program.
2. Earn a minimum of 90 hours of credit including 30 hours in the major or be granted special faculty permission.
3. Receive at least a "B-" in HUS 342 Interviewing Skills and continue to demonstrate the ability to relate empathically and productively.

Admission to the Human Services Internship

The internship in human services is designed to integrate the knowledge of theory and techniques with human services practice.

To be admitted to the internship a student must meet the following requirements:

1. Retention in the Human Services Program.
2. GPA minimum of 2.5 in major.
3. Submission of a completed Internship Agreement at least one month before the internship starts.
4. Approval of the instructor.

Graduation Requirements

1. Retention in the Human Services Program
2. Completion of all program requirements.
3. Earned “B-” or higher in HUS 497 Human Services Internship.

Program Requirements, 36 credit hours

HUS 202 Introduction Human Services 3
HUS 218 Personal Growth 3
HUS 324 Fundamentals of Human Services 3
HUS 342 Interviewing Skills 3
HUS 403 Group Strategies 3
HUS 470 Planning, Administration, and Evaluation of Human Services Programs 3
HUS 490 Human Services Seminar 3
HUS 497 Human Services Internship 3
PSY 230 Life Span Development 3
PSY 450 Abnormal Psychology 3
SOC 320 Social Welfare 3

Select one of the following 3
SSC 300 Social Sciences Research Methods (3)
SSC 310 Research and Statistical Analysis (3)
SSC 319 Statistics for the Social Sciences (3)
SSC 419 Advanced Social Sciences Research Methods (3)

Industrial Technology

Technology and Applied Sciences Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The offerings in the Industrial Technology major are provided for the student preparing for a career in business and industry. Students who are planning on a career in business or industry should consider one of the four concentrations available: Construction Management, Drafting and Design, Manufacturing Management, and Safety Management. These concentrations combine technical content with business and computer information systems courses and prepare one for introductory supervisory roles in business and industry.

Student Learning Outcomes

1. Demonstrate effective skills in written, oral, and graphical communication.
2. Apply current technologies and tools to identify and solve problems in industrial settings.
3. Implement occupational and personal safety, health, and well-being principles.
4. Apply management and leadership skills in industrial technology.

Concentrations within the major
Construction Management
Drafting and Design
Manufacturing Management
Safety Management

Associated Degree Programs
Engineering Technology
Skilled and Technical Sciences Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Construction Minor
Drafting Minor
Manufacturing Management Minor
Safety Management Minor
Skilled and Technical Sciences Education/Skilled Specific (9-12) Supplemental Endorsement

External Accreditation
The Association of Technology, Management and Applied Engineering (ATMAE)

Program Requirements, 63 credit hours

General Studies Requirement
MAT 110 Contemporary Applications of Mathematics for CAT 3.
PHS 102 Physical Science Today for CAT 7.

Core Requirements, 30 credit hours

BIO 104 Environmental Concerns for General Studies 3
BUS 208 Business Communications 3
BUS 471 Principles of Supervision 3
CIS 477 Project Management 3
ITE 111 Introduction to Safety 3
ITE 114 Introduction to Applied Engineering and Technology 3
ITE 202 Construction Systems 3
ITE 205 Introduction to Manufacturing Technology 3
MAT 118 College Mathematics for Industrial Technology 3

Select one of the following 3
ITE 214 Residential Drawing (3)
ITE 219 Mechanical and Engineering Drafting (3)

Concentration Requirement, 33 credit hours

Select one of the following 33
Construction Management
Drafting and Design
Manufacturing Management
Safety Management

Concentration Requirements

Construction Management Concentration, 33 credit hours

Requires ITE 214 Residential Drawing in the core.

ITE 211 Architectural and Industrial Finishing 3
ITE 301 Construction Safety 3
ITE 304 Surveying and Print Reading 3
ITE 308 Construction Technology 3
ITE 314 Architectural Design 3
ITE 367 Building Climate, Energy Control and Sustainability 3
ITE 390 Project Bidding and Estimating 3
ITE 404 Commercial and Structural Design 3
ITE 428 Construction Project Management 3
ITE 438 Commercial Construction 3
ITE 497 Internship 3

Drafting and Design Concentration, 33 credit hours

Requires ITE 219 Mechanical and Engineering Drafting in the core.

ITE 214 Residential Drawing 3
ITE 304 Surveying and Print Reading 3
ITE 309 Parametric Modeling and Industrial Design 3
ITE 314 Architectural Design 3
ITE 322 Fundamentals of CNC Machining 3
ITE 330 Welding Theory and Fabrication 3
ITE 367 Building Climate, Energy Control and Sustainability 3
ITE 390 Project Bidding and Estimating 3
ITE 404 Commercial and Structural Design 3
ITE 412 Industrial Prototypes and Manufacturing Design 3
ITE 497 Internship 3

Manufacturing Management Concentration, 33 credit hours

CIS 171 Networking I 3
CIS 366 Introduction to Database 3
ITE 220 Introduction to Manufacturing Operations 3
ITE 306 Industrial Safety 3
ITE 309 Parametric Modeling and Industrial Design 3
ITE 322 Fundamentals of CNC Machining 3
ITE 330 Welding Theory and Fabrication 3
ITE 403 Electronics and Control Systems 3
ITE 421 Computer Integrated Manufacturing and Robotics 3
ITE 422 Advanced CIM and Robotics 3
ITE 497 Internship 3

Safety Management Concentration, 33 credit hours

Requires ITE 219 Mechanical and Engineering Drafting in the core.

BUS 367 Foundations of Human Resource Management 3
ITE 203 Fundamentals of Industrial Hygiene 3
ITE 207 Ergonomics 3
ITE 301 Construction Safety 3
ITE 306 Industrial Safety 3
ITE 310 Workplace Accident Investigation 3
ITE 312 Systems Safety and Process Safety Management 3
ITE 402 Safety Data Analysis 3
ITE 407 Accident Prevention 3
ITE 408 Hazardous Materials 3
ITE 497 Internship 3

Interdisciplinary Studies

Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Interdisciplinary Studies major is designed to provide the maximum flexibility for the student in determining the content of his or her degree program. This major is constructed by the student and advisor.

Interdisciplinary Studies majors are not necessarily professionally-oriented or career-oriented degree programs. However, a program must emphasize a clearly defined area, body of thought, or educational goal. These programs are not intended to allow students to graduate without concentrating their thoughts in some clearly defined area of emphasis.

Interdisciplinary Studies majors replace conventional comprehensive majors in the General Requirements for graduation.

Interdisciplinary Studies programs must be signed and approved by an advisor, department chair, school dean, and the Vice President for Academic Affairs. The signed program will be forwarded to the Records and Registration Office.

The student will complete 48 credit hours of Interdisciplinary Studies with an emphasis in one department and supporting work in at least one other department.

All courses are eligible for inclusion in a program. The program must include a minimum of 24 credit hours in one area. 50% of the hours in the major must be upper-level courses.

Student Learning Outcomes

1. Synthesize information from the multiple disciplines represented in a student's course of study.
2. Demonstrate critical thinking skills.
3. Write effectively using discipline-specific methods.
4. Articulate how the chosen areas of study will help achieve personal and professional goals.

Life Sciences

Life Sciences Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Life Sciences/Biology major offers courses to students preparing for further study in medicine, dentistry, nursing, physical or occupational therapy, medical laboratory science, mortuary science, respiratory therapy, and other allied health science fields. The Life Sciences/Biology major provides students with career choices in biotechnology, wildlife management, public health, agronomic industry, organismal biology, environmental biology, or biology education. Courses in Biology offer majors and non-majors the background required to think critically about the role of the living world in their lives.

Student Learning Outcomes

1. Analyze central dogma concepts of biology and how they relate to an understanding of evolution.
2. Apply the Scientific Method to analyze the world around them.
3. Operate standard laboratory equipment and instruments.
4. Effectively communicate biology concepts.

Concentrations within the major
Biology
Biomedical Science
Health Sciences
Medical Laboratory Science
Mortuary Science
Plant Biology-Ecology and Management
Respiratory Therapy

Associated Minors, Supplemental Endorsements and Certificates
Biology Minor
Environmental Studies Minor

Program Requirements, 54-90 credit hours

Core Requirements, 12-13 credit hours

BIO 110 Biology Concepts 4
CHE 106 General Chemistry I 4
PHY 321 Physics Laboratory I 1

Select one of the following 3-4
PHY 201 General Physics I (3)
PHY 301 University Physics I (4)

Concentration Requirement, 41-78 credit hours

Select one of the following 41-78
Biology, 42-43 credit hours
Biomedical Science, 42-43 credit hours
Health Sciences 3+1, 77-78 credit hours, 30 hours clinical year
Health Sciences 2+2, 47-48 credit hours, 60 hours clinical years
Medical Laboratory Science, 44 credit hours, 30 hours clinical year
Mortuary Science, 41-42 credit hours, 30 hours clinical year
Plant Biology-Ecology and Management 3+1, 63 credit hours, 30 hours clinical year
Respiratory Therapy, 42 credit hours, 35 clinical year

Concentration Requirements

Biology Concentration, 42-43 credit hours

General Studies Requirement

MAT 180 Applied Probability and Statistics for CAT 3.

Content Requirements, 24 credit hours

Physical Science Foundations

CHE 107 General Chemistry II 4

Genetics Foundations

BIO 320 Molecular Genetics 4

Plant and Animal Form and Function

BIO 200 Zoology 4
BIO 210 Experimental Plant Science 4

Ecological Studies

BIO 325 Ecology 4

Select one of the following 3-4
BIO 345 Conservation Biology (3)
BIO 415 Wildlife Management (4)

Organismal Biology

Select two of the following 6
BIO 346 Animal Behavior (3)
BIO 406 Great Plains Flora (3)
BIO 430 Parasitology (3)

Inquiry

BIO 301 Biology Seminar 1
BIO 370 Introduction to Research 2

Select one of the following 1
BIO 397 Internship (1)
BIO 465 Continuing Research (1)

Capstone Experience
BIO 425 Evolution 3

Select one of the following 1
BIO 469 Senior Seminar in Biology (1)
BIO 470 Research Project (1)

Electives
Upper-level BIO electives 5-6
Choose any upper-level BIO electives, excluding BIO 399, and/or CHE 326 Biochemistry I that are not repeat courses to complete 55 credits. BIO 301 may be taken up to two times for a maximum of 2 credit hours with no topic repeat.

Biomedical Science Concentration, 42-43 credit hours

General Studies Requirement

MAT 180 Applied Probability and Statistics for CAT 3.

Content Requirements, 24 credit hours

Physical Science Foundations
CHE 107 General Chemistry II 4

Genetics Foundations
BIO 320 Molecular Genetics 4

Plant and Animal Form and Function
BIO 200 Zoology 4
BIO 210 Experimental Plant Science 4

Disease
Select two of the following 6-7
BIO 336 Cancer Biology (3)
BIO 385 Microbiology (4)
BIO 430 Parasitology (3)
BIO 486 Immunology (3)

Human Form and Function
Select two of the following 6-8
BIO 330 Histology (3)
BIO 340 Human Physiology (4)
BIO 409 Comparative Embryology and Anatomy (4)
BIO 434 Advanced Cellular Biology (3)
BIO 443 Advanced Human Anatomy (3)

Inquiry
BIO 301 Biology Seminar 1
BIO 370 Introduction to Research 2

Select one of the following 1
BIO Internship (1)
BIO 465 Continuing Research (1)

Capstone Experience
BIO 425 Evolution 3

Select one of the following 1
BIO 469 Senior Seminar in Biology (1)
BIO 470 Research Project (1)

Electives
Upper-level BIO electives 4-7
Choose any upper-level BIO electives, excluding BIO 399, and/or CHE 326 Biochemistry I that are not repeat courses to complete 55 credits. BIO 301 may be taken up to two times for a maximum of 2 credit hours with no topic repeat.

Health Sciences 3+1 Concentration, 77-78 credit hours, 30 hours Clinical Year

This program requires 90 hours at WSC and is exempt from the requirement that the last 30 credit hours be taken at WSC.

Content Requirements, 77-78 credit hours

Pre-professional curriculum by advisement 77-78

Clinical Year, 30 hours

HSC 498 Clinical Program (no tuition requirement) 30
Successfully complete the first year of the approved professional program at a professional school awarding Master's or Doctoral degrees.

Health Sciences 2+2 Concentration, 47-48 credit hours, 60 hours Clinical Years

This program requires 60 hours at WSC and is exempt from the requirement that the last 30 credit hours be taken at WSC.

Content Requirements, 47-48 credit hours

Pre-professional curriculum by advisement 47-48

Clinical Years, 60 hours

HSC 498 Clinical Program (no tuition requirement) 60
Successfully complete the first two years of the approved professional program at a professional school awarding Master's or Doctoral degrees, where a Master's or Doctorate is the sole professional degree offered.

Medical Laboratory Science Concentration, 44 credit hours, 30 hours Clinical Year

A minimum of 90 semester hours is required prior to the clinical year. The Medical Laboratory Science Program satisfies the requirements and standards established by the National Accrediting Agency for Medical Laboratory Sciences (NAACLS).

Content Requirements, 44 credit hours

BIO 220 Human Anatomy 4
BIO 301 Biology Seminar 1
BIO 320 Molecular Genetics 4
BIO 340 Human Physiology 4
BIO 385 Microbiology 4
BIO 486 Immunology 3
CHE 107 General Chemistry II 4
CHE 208 Introductory Organic Chemistry 4
CHE 326 Biochemistry I 4
MAT 180 Applied Probability and Statistics 3

Upper-level electives 9

Clinical Year, 30 hours

HSC 498 Clinical Program (no tuition requirement) 30
Professional Clinical Year Experience at an affiliated hospital.

Mortuary Science Concentration, 41-42 credit hours, 30 hours Clinical Year

General Studies Requirement

MAT 121 College Algebra for CAT 3.
PSY 101 General Psychology for CAT 5.

Content Requirements, 41-42 credit hours

BIO 220 Human Anatomy 4
BIO 320 Molecular Genetics 4
BIO 340 Human Physiology 4
BUS 240 Accounting I 3
BUS 241 Accounting II 3
CHE 107 General Chemistry II 4
CHE 208 Introductory Organic Chemistry 4

Select one of the following 3
HUS 202 Introduction to Human Services (3)
PSY 316 Social Psychology (3)
PSY 406 Death and Dying (3)

Select two of the following 6-7
BIO 385 Microbiology (4)
BUS 222 Business Law I (3)
HUS 202 Introduction to Human Services (3)
PSY 316 Social Psychology (3)
PSY 406 Death and Dying (3)
SOC 415 The Family (3)

Upper-level electives 6

Clinical Year, 30 hours

HSC 498 Clinical Program (no tuition requirement) 30
Professional Clinical Year at an affiliated Mortuary Science School.

Plant Biology-Ecology and Management 3+1 Concentration, 63 credit hours, 30 hours Clinical Year

Content Requirements, 63 credit hours

BIO 200 Zoology 4
BIO 210 Experimental Plant Science 4
BIO 320 Molecular Genetics 4
BIO 325 Ecology 4
BIO 345 Conservation Biology 3
BIO 370 Introduction to Research 2
BIO 397 Biology Internship 1
BIO 425 Evolution 3
BIO 469 Senior Seminar in Biology 1
BIO 470 Research Project 1
CHE 107 General Chemistry II 4
CHE 314 Organic Chemistry I 4
CHE 326 Biochemistry I 4
EAS 110 Introduction to Meteorology 4
GEO 430 Geographic Information Systems 3
MAT 140 Calculus I 5
MAT180 Applied Probability and Statistics 3

Upper-level BIO electives 9

Clinical Year, 30 hours

HSC 498 Clinical Program (no tuition requirement) 30
Professional Clinical Year at University of Nebraska-Lincoln.

Respiratory Therapy Concentration, 42 credit hours, 35 Clinical Year

General Studies Requirement

MAT 121 College Algebra for CAT 3.

Content Requirements, 42 credit hours

BIO 220 Human Anatomy 4
BIO 340 Human Physiology 4
BIO 385 Microbiology 4
BIO 486 Immunology 3
BUS 260 Management Theory and Practice 3
CHE 107 General Chemistry II 4
CHE 208 Introductory Organic Chemistry 4
FCS 207 Nutrition 3
HSC 345 CPR-Healthcare Provider 1
PSY 230 Life Span Development 3

Upper-level electives 9

Clinical Year, 35 hours

HSC 498 Clinical Program (no tuition requirement) 35

Mass Communication

Communication Arts Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Mass Communication program instills knowledge of professional standards and social responsibilities for careers in the areas of print, broadcast, film, and online communications.

Student Learning Outcomes

1. Demonstrate knowledge of the basic concepts of mass communication.
2. Demonstrate mass communication skills.
3. Apply mass media skills.

Concentrations within the major

Agricultural Communication and Leadership
Digital Film Production and Theory
Electronic Media
Journalism
Sports Media

Associated Minors, Supplemental Endorsements and Certificates

Animation for Film and Television Minor
Digital Film Production Minor
Editing and Publishing Minor
Electronic Media Minor
Journalism Minor
Journalism and Media Education (7-12) Supplemental Endorsement
Online and Social Media Minor

Program Participation Requirements

Each student is required to compile a portfolio of work examples from courses taken in the major. The portfolio is intended to act as additional evidence of student accomplishment and skills. Items can include, but are not limited to: student performances and speeches, resumes, video and audio productions, research reports, design projects, articles published, etc. A student's portfolio will be developed within CNA 455 or CNA 480. Students will be evaluated on knowledge, skill, and engagement in their program of study.

Program Requirements, 48 credit hours

Core Requirements, 18 credit hours

CNA 263 Introduction to Mass Communication 3
CNA 280 News Writing 3
CNA 372 Media Ethics 3
CNA 471 Mass Media and Society 3
CNA 475 Communication Law 3
CNA 480 Senior Seminar in Mass Communication 3

Concentration Requirement, 30 credit hours
Select one of the following 30
Agricultural Communication and Leadership
Digital Film Production and Theory
Electronic Media
Journalism
Sports Media

Concentration Requirements

Agricultural Communication and Leadership Concentration, 30 credit hours

Electives 18
CNA 150 Introduction to Agricultural Communication (3)
CNA 162 Audio Production (3)
CNA 274 Video and Film Production I (3)
CNA 374 Public Relations (3)
CNA 426 Public Relations through Social Media (3)
CNA 459 Organizational Leadership (3)
CNA 497 Agriculture Communication Internship (3)

Electives 12
CNA 252 Public Address (3)
CNA 301 Advertising Copywriting (3)
CNA 302 Language and Human Behavior (3)
CNA 352 Organizational Presentations (3)
CNA 377 Public Relations Writing (3)
CNA 379 Media Management (3)
CNA 389 Photojournalism (3)
CNA 390 Multiplatform Journalism (3)
CNA 450 Media Design Applications (3)
CNA 452 Public Relations Case Studies (3)
CNA 453 Integrated Brand Promotion (3)
CNA 457 Special Topics in Communication (3)
CNA 458 Advanced News Writing and Reporting (3)
CNA 461 Case Studies in Organizational Leadership (3)
CNA 462 Communication Research Methods (3)
CNA 467 Intercultural Communication (3)
CNA 470 Family Communication (3)
POS 430 Public Policy (3)

Digital Film Production and Theory Concentration, 30 credit hours

CNA 205 Play Writing/Screen Writing..... 3

Electives 15
CNA 223 Acting (3)
CNA 274 Video and Film Production I (3)
CNA 284 Film Criticism (3)
CNA 318 Directing (3)
CNA 378 Performance for the Screen (3)
CNA 472 Sound Design (3)
CNA 473 Video and Film Production II (3)

Electives 12
CNA (B, F) 120/220/320/420 Mass Communication Arts Workshop (0-3)
CNA 162 Audio Production (3)
CNA 232 Stagecraft (3)
CNA 297/397/497 Internship in Broadcasting (3)
CNA 301 Advertising Copywriting (3)
CNA 331 Scene Design (3)
CNA 337 Costumes and Make Up for the Stage and Screen (3)
CNA 352 Organizational Presentations (3)
CNA 382 Movement Specialties: Combat for the Stage and Screen (3)
CNA 383 Film and Literature (3)
CNA 387 Lighting (3)
CNA 391/491 Special Project in Communication (3)
CNA 419 Advanced Directing (3)
CNA 450 Media Design Applications (3)
CNA 453 Integrated Brand Promotion (3)
CNA 457 Special Topics in Communication (3)
CNA 471 Mass Media and Society (3)
CNA 478 Communication Ethics (3)
CNA 479 Animation and Motion Graphics Applications (3)
FCS 312 Historic Costume (3)
MUS 158 Music in Film (3)

Electronic Media Concentration, 30 credit hours

CNA (B, R) 120/220/320/420 Mass Communication Arts Workshop 3
CNA 162 Audio Production 3
CNA 274 Video and Film Production I 3
CNA 379 Media Management 3
CNA 390 Multiplatform Journalism 3
CNA 473 Video and Film Production II 3

Electives 12
ART 363 Digital Photography I (3)
BUS 270 Principles of Marketing (3)
BUS 374 Advertising and Integrated Marketing (3)
CNA 102 Media Literacy (3)
CNA (B, R) 120/220/320/420 Mass Communication Arts Workshop (0-3)
CNA 140/240/440 Intercollegiate Forensics (0-3)

CNA 223 Acting (3)
CNA 252 Public Address (3)
CNA 297/397/497 Internship in Broadcasting (3)
CNA 301 Advertising Copywriting (3)
CNA 352 Organizational Presentations (3)
CNA 374 Public Relations (3)
CNA 378 Performance for the Screen (3)
CNA 387 Lighting (3)
CNA 389 Photojournalism (3)
CNA 391/491 Special Project in Communication (3)
CNA 392 Sports Writing (3)
CNA 426 Public Relations through Social Media (3)
CNA 450 Media Design Applications (3)
CNA 453 Integrated Brand Promotion (3)
CNA 454 Advanced Web Development (3)
CNA 457 Special Topics in Communication
CNA 467 Intercultural Communication (3)
CNA 479 Animation and Motion Graphics Applications (3)
ENG 200 Expository Writing (3)
ENG 206 Workplace Writing (3)
GEO 305 Political Geography (3)
POS 350 The American Presidency (3)
POS 402 State and Local Politics (3)
POS 430 Public Policy (3)

Journalism Concentration, 30 credit hours

CNA J220/320/420 Journalism Workshop 3
CNA 290 Editing and Copy Editing 3
CNA 389 Photojournalism 3
CNA 390 Multiplatform Journalism 3
CNA 458 Advanced News Writing and Reporting 3
CNA 497 Journalism Internship 3

Electives 12
ART 363 Digital Photography I (3)
BUS 270 Principles of Marketing (3)
BUS 374 Advertising and Integrated Marketing (3)
CNA 102 Media Literacy (3)
CNA J220/320/420 Journalism Workshop (3)
CNA 301 Advertising Copywriting (3)
CNA 352 Organizational Presentations (3)
CNA 374 Public Relations (3)
CNA 391/491 Special Project in Communication (3)
CNA 392 Sports Writing (3)
CNA 426 Public Relations through Social Media (3)
CNA 453 Integrated Brand Promotion (3)
CNA 454 Advanced Web Development (3)

CNA 457 Special Topics in Communication (3)
CNA 463 Advanced Media Writing (3)
CNA 467 Intercultural Communication (3)
ENG 200 Expository Writing (3)
ENG 206 Workplace Writing (3)
ENG 321 Production and Design for Publication (3)
ENG 426 Linguistic Theory and Applications (3)
GEO 305 Political Geography (3)
POS 350 The American Presidency (3)
POS 402 State and Local Politics (3)
POS 430 Public Policy (3)

Sports Media Concentration, 30 credit hours

CNA J120/220/320/420 Journalism Workshop 1
CNA S120/220/320/420 Sports Media Workshop 2
CNA 162 Audio Production 3
CNA 297/397/497 Internship in Broadcasting 3
CNA 334 Sports Media Theory 3
CNA 390 Multiplatform Journalism 3
CNA 392 Sports Writing 3

Electives 12
CNA 262 Writing for the Mass Media (3)
CNA 274 Video and Film Production I (3)
CNA 301 Advertising Copywriting (3)
CNA 352 Organizational Presentations (3)
CNA 374 Public Relations (3)
CNA 377 Public Relations Writing (3)
CNA 389 Photojournalism (3)
CNA 391/491 Special Project in Communication (3)
CNA 426 Public Relations through Social Media (3)
CNA 450 Media Design Applications (3)
CNA 453 Integrated Brand Promotion (3)
CNA 457 Special Topics in Communication (3)
CNA 458 Advances News Writing and Reporting (3)
CNA 472 Sound Design (3)
CNA 473 Video and Film Production II (3)
PED 277 Media Relations in Sport (3)
PED 295 Sport Management Public Relations and Communications (3)
PED 410 Sports Law (3)
PED 485 Sport in American Culture (3)

Mass Communication (Subject Major)

Communication Arts Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Major

The Mass Communication program instills knowledge of professional standards and social responsibilities for careers in the areas of print, broadcast, film, and online communications.

Student Learning Outcomes

1. Demonstrate knowledge of the basic concepts of mass communication.
2. Demonstrate mass communication skills.
3. Apply mass media skills.

Concentrations within the major

Agricultural Communication and Leadership
Digital Film Production and Theory
Electronic Media
Journalism
Sports Media

Associated Minors, Supplemental Endorsements and Certificates

Animation for Film and Television Minor
Digital Film Production Minor
Editing and Publishing Minor
Electronic Media Minor
Journalism Minor
Journalism and Media Education (7-12) Supplemental Endorsement
Online and Social Media Minor

Program Participation Requirements

Each student is required to compile a portfolio of work examples from courses taken in the major. The portfolio is intended to act as additional evidence of student accomplishment and skills. Items can include, but are not limited to: student performances and speeches, resumes, video and audio productions, research reports, design projects, articles published, etc. A student's portfolio will be developed within CNA 455 or CNA 480. Students will be evaluated on knowledge, skill, and engagement in their program of study.

Program Requirements, 36 credit hours

Core Requirements, 18 credit hours

CNA 263 Introduction to Mass Communication 3
CNA 280 News Writing 3
CNA 372 Media Ethics 3
CNA 471 Mass Media and Society 3
CNA 475 Communication Law 3
CNA 480 Senior Seminar in Mass Communication 3

Concentration Requirement, 18 credit hours
Select one of the following 18
Agricultural Communication and Leadership
Digital Film Production and Theory
Electronic Media
Journalism
Sports Media

Concentration Requirements

Agricultural Communication and Leadership Concentration, 18 credit hours

Electives 18
CNA 150 Introduction to Agricultural Communication (3)
CNA 162 Audio Production (3)
CNA 274 Video and Film Production I (3)
CNA 374 Public Relations (3)
CNA 426 Public Relations through Social Media (3)
CNA 459 Organizational Leadership (3)
CNA 497 Agriculture Communication Internship (3)

Digital Film Production and Theory Concentration, 18 credit hours

CNA 205 Play Writing/Screen Writing..... 3

Electives 15
CNA 223 Acting (3)
CNA 274 Video and Film Production I (3)
CNA 284 Film Criticism (3)
CNA 318 Directing (3)
CNA 378 Performance for the Screen (3)
CNA 472 Sound Design (3)
CNA 473 Video and Film Production II (3)

Electronic Media Concentration, 18 credit hours

CNA (B, R) 120/220/320/420 Mass Communication Arts Workshop 3
CNA 162 Audio Production 3
CNA 274 Video and Film Production I..... 3
CNA 379 Media Management..... 3
CNA 390 Multiplatform Journalism..... 3
CNA 473 Video and Film Production II..... 3

Journalism Concentration, 18 credit hours

CNA J220/320/420 Journalism Workshop 3
CNA 290 Editing and Copy Editing 3
CNA 389 Photojournalism 3
CNA 390 Multiplatform Journalism 3
CNA 458 Advanced News Writing and Reporting 3
CNA 497 Journalism Internship 3

Sports Media Concentration, 18 credit hours

CNA J120/220/320/420 Journalism Workshop 1
CNA S120/220/320/420 Sports Media Workshop 2
CNA 162 Audio Production 3
CNA 297/397/497 Internship in Broadcasting 3
CNA 334 Sports Media Theory 3
CNA 390 Multiplatform Journalism 3
CNA 392 Sports Writing 3

Mathematics

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The Mathematics program is intended for those students who desire to pursue advanced studies in mathematics, or apply mathematics in a technical field. A mathematics degree will prepare students for careers in a variety of fields including data analytics, actuarial science, business, physics, chemistry, computer science, economics, engineering, and social science.

Student Learning Outcomes

1. Demonstrate numeric, algebraic, and analytic techniques.
2. Construct mathematical arguments and rigorous proofs.
3. Use mathematics to model and analyze real world problems.
4. Communicate mathematical reasoning.

Concentrations within the major
Applied Mathematics
Pure Mathematics

Associated Degree Programs
Elementary Education (K-6) Field Endorsement – Mathematics Concentration
Mathematics Education (6-12) Field Endorsement
Middle Level Education (5-9) Subject Endorsement – Mathematics Subject Area

Associated Minors, Supplemental Endorsements and Certificates
Mathematics Minor

Program Requirements, 49-51 credit hours

Core Requirements, 29 credit hours

MAT 240 Calculus II 5
MAT 270 Transitions to Advanced Mathematics 3
MAT 305 Discrete Mathematics 3
MAT 340 Calculus III 5
MAT 350 Linear Algebra 3
MAT 400 Real Analysis 4
MAT 410 Probability and Statistics 4
MAT 470 Connections 2
MAT 481 Mathematics Assessment 0

Concentration Requirement, 20-22 credit hours

Select one of the following 20-22
Applied Mathematics, 20-22 credit hours
Pure Mathematics, 20 credit hours

Concentration Requirements

Applied Mathematics Concentration, 20-22 credit hours

General Studies Requirements

BIO 110 Biology Concepts or both PHY 301 University Physics I and PHY 321 Physics Laboratory I for CAT 7.
ECO 203 Principles of Microeconomics for CAT 8.
ECO 202 Principles of Macroeconomics for CAT 10.

Content Requirements

MAT 140 Calculus I 5
MAT 250 Differential Equations 3
MAT 335 Applied Mathematics and Modeling 3
MAT 440 Numerical Analysis 3

Emphasis Requirement

Select one of the following 6-8
Mathematics, 7 credit hours
Biology, 7-8 credit hours
Chemistry, 6 credit hours
Computer Science, 6 credit hours
Economics, 6 credit hours
Physics, 6-8 credit hours

Emphasis Requirements

Mathematics Emphasis, 7 credit hours

MAT 320 College Geometry 3
MAT 425 Abstract Algebra 4

Biology Emphasis, 7-8 credit hours

Select two of the following 7-8
BIO 320 Molecular Genetics (4)
BIO 325 Ecology (4)
BIO 345 Conservation Biology (3)
BIO 385 Microbiology (4)

Chemistry Emphasis, 6 credit hours

CHE 456 Physical Chemistry: Thermodynamics 3
CHE 457 Physical Chemistry: Quantum Mechanics and Spectroscopy 3

Computer Science Emphasis, 6 credit hours

Select two of the following 6
CSC 310 Data Structures (3)
CSC 345 Computer Graphics (3)
CSC 365 Scripting Languages (3)
CSC 378 Robotics (3)
CSC 380 Operating Systems (3)

Economics Emphasis, 6 credit hours
BUS 322 Managerial Finance 3
ECO 430 International Economics 3

Physics Emphasis, 6-8 credit hours
Electives 6-8
PHY 302 University Physics II (4) and PHY 322 Physics Lab II (1)
PHY 336 Classical Mechanics (3)
PHY 345 Thermodynamics (3)
PHY 356 Electricity and Magnetism (3)
PHY 457 Modern Physics (3)
PHY 465 Optics (3)

Pure Mathematics Concentration, 20 credit hours

MAT 140 Calculus I 5
MAT 250 Differential Equations 3
MAT 425 Abstract Algebra 4
MAT 472 Connections Research 2

Upper-level MAT electives 6
MAT 320 College Geometry is recommended as an elective.

Mathematics Education (6-12)

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Field Endorsement

The Mathematics 6-12 Field Endorsement program is intended for those students who desire to teach 6-12 mathematics. Students will take courses in mathematics and in education, spending time in 6-12 classrooms developing their teaching skills. Upon graduation, students have the option to teach in a 6-12 classroom or pursue advanced studies in mathematics.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 75 credit hours

All MAT courses must be completed with a grade of "C-" or better.

General Studies Requirement
MAT 140 Calculus I for CAT 3.

Core Requirements, 29 credit hours

MAT 240 Calculus II	5
MAT 270 Transitions to Advanced Mathematics	3
MAT 305 Discrete Mathematics	3
MAT 340 Calculus III	5
MAT 350 Linear Algebra	3
MAT 400 Real Analysis	4
MAT 410 Probability and Statistics	4
MAT 470 Connections	2
MAT 481 Mathematics Assessment	0

Content Requirements, 13 credit hours

MAT 320 College Geometry	3
MAT 425 Abstract Algebra	4
MAT 471 Connections in Mathematics Education	2
MAT 482 Mathematics Education Assessment	0
MAT electives numbered 250 or above	4

Professional Education Requirements, 33 credit hours

EDU 150 Introduction to Professional Education	3
EDU 245 Preparing for Level 2: Teacher Candidacy	0
EDU 250 Human Development and Cognition	3
EDU 275 PK-12 Instructional Design	3
EDU 310 Reading, Writing, and Assessment in Content Areas	2

EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Middle Level Education (5-9)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The 5-9 Middle Level Education Subject Endorsement is an educator preparation program within the School of Education and Behavioral Sciences (EBS) and is governed by all requirements established and set forth by the School. This subject endorsement serves to develop the knowledge, understanding, skills, and competencies for teaching children in classrooms in grades 5-9 in the selected content area(s). Teacher candidates will select at least one of the Middle Level core academic subject areas: English Language Arts, Mathematics, Science, or Social Studies. This is a stand-alone subject endorsement. However, teacher candidates are encouraged to add a second subject endorsement.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Utilize evidence-based inclusive practices to develop meaningful learning experiences for students in middle and secondary school settings (grades 5-9 in selected content areas).

Certification Information
In addition to accreditation and certification information common to all educator preparation programs, the following information applies specifically to this endorsement.

To be certified in Nebraska, students must select at least one of the Middle Level core academic subject areas: English Language Arts, Mathematics, Science, or Social Studies.

Endorsement Requirements, 63-70 credit hours

Content Requirements, 15-18 credit hours
EDU 409 will need to be repeated for each selected subject. EDU 414 must be taken concurrently with EDU 409 once.

EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 350 The Middle Level Teacher 3
EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
SPD 302 Inclusion and Co-teaching in General Education 3

Select the course below that corresponds to the core academic subject area 3
EDU 332 Development of Language Arts in Elementary and Middle School (3)
EDU 423 Development of Social Studies in the Elementary and Middle School (3)
EDU 431 Development of Science in Elementary and Middle School (3)
EDU 432 Development of Mathematics in Elementary and Middle School (3)

Professional Education Requirements, 24 credit hours

If a second subject endorsement is chosen outside the Middle Level options, 6 credits of EDU 454 Clinical Practice for Middle Level and 6 credits of the corresponding EDU/SPD Clinical Practice course will be required.

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3

Select one of the following 3
SPD 435 Classroom Management through Social Emotional Learning K-6 (3)
SPD 436 Classroom Management through Social Emotional Learning 7-12 (3)

EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 454 Clinical Practice and Seminar for Middle Level 12

Select at least one Subject Area 24-28
English Language Arts, 26 credit hours
Family and Consumer Sciences, 25 credit hours
Health and Physical Education, 24 credit hours
Mathematics, 27 credit hours
Science, 28 credit hours
Social Studies, 27 credit hours

Subject Area Requirements, 24-28 credit hours

English Language Arts Subject Area, 26 credit hours

Select one of the following 3
ENG 150 Topics in Literature (3)
ENG 260 Studies in Genre (3)
ENG 280 Themes and Movements in Literature (3)

ENG 270 Critical Approaches to Literature 3
ENG 384 World Literature 3
ENG 426 Linguistic Theory and Application 3
ENG 441 Traditional English Grammar 1
ENG 442 Teaching Writing 2
ENG 443 Young Adult Literature 2

Select three of the following 9
ENG 361 American Literature I (3)
ENG 362 American Literature II (3)
ENG 365 Modern American Fiction (3)
ENG 371 British Literature I (3)
ENG 372 British Literature II (3)
ENG 378 Topics in Modern British Fiction (3)

ENG 380 Shakespeare (3)
ENG 381 Classical Mythology (3)
ENG 382 The Bible as Literature (3)
ENG 386 Modern World Drama (3)

Family and Consumer Sciences Subject Area, 25 credit hours

FCS 103 Clothing Construction 3
FCS 104 Principles of Food Preparation 3
FCS 108 Introduction to Family and Consumer Sciences 1
FCS 110 Family and Personal Relationships 3
FCS 207 Nutrition 3
FCS 314 Organization and Administration of Family and Consumer Sciences Programs 3
FCS 315 Consumer Economics 3

Select one of the following 3
FCS 220 Infants and Toddlers (3)
FCS 335 Preschool Age Child (3)

Select one of the following.....3
FCS 240 Design and Interior Environments (3)
FCS 305 Housing Development and Design (3)

Health and Physical Education Subject Area, 24 credit hours

PED 105 Anatomy and Physiology I 3
PED 205 Anatomy and Physiology II 3
PED 242 CPR/AED Certification 1
PED 243 First Aid Certification 1
PED 305 Exercise Physiology 3
PED 341 Organization Administration and Curriculum Development of Secondary Health and Physical Education 3
PED 351 Biomechanics 3
PED 361 Methods and Materials in Health and Physical Education 3
PED 407 Motor Perception and Adaptives for Special Populations 3

Select one PED 200 level activity course 1

Mathematics Subject Area, 27 credit hours

MAT 130 Precalculus 5
MAT 140 Calculus I 5
MAT 180 Applied Probability and Statistics 3
MAT 210 Mathematics for Elementary School Teachers I 3
MAT 215 Mathematics for Elementary School Teachers II 3
MAT 270 Transitions to Advanced Mathematics 3
MAT 320 College Geometry 3
MAT 471 Connections in Mathematics Education 2

Science Subject Area, 28 credit hours

BIO 110 Biology Concepts 4
CHE 106 General Chemistry I 4
CHE 107 General Chemistry II 4
EAS 110 Introduction to Meteorology 4
EAS 120 Introduction to Geology 4
PHY 201 General Physics I 3
PHY 321 Physics Laboratory I 1

Select one of the following 4
BIO 200 Zoology (4)
BIO 210 Experimental Plant Science (4)
BIO 220 Human Anatomy (4)

Social Studies Subject Area, 27 credit hours

ECO 202 Principles of Macroeconomics 3
GEO 120 World Regional Geography 3
HIS 170 World Civilizations I 3
HIS 171 World Civilizations II 3
HIS 280 America, 15000 BC to 1845 3
HIS 281 America, 1845-1945 3
HIS 490 Geography and History of Nebraska 3
POS 100 American National Government 3

Choose one of the following 3
GEO 130 Physical Geography (3)
HIS 300 The Ancient World (3)
HIS 385 America, 1945 to the Present (3)
POS 110 Introduction to World Politics (3)

Music

Music Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Comprehensive Major

Students can choose an emphasis within the Music major of General Music, Music Industry or Music Performance. General Music provides students with a broad background in music, while allowing advanced study in a specific area of interest in music. Students with an interest in composition or music history are especially likely to use this degree. Music Industry provides students with knowledge of a variety of careers in the music industry, including the operation of music stores, sheet music sales and production, musical equipment sales, and arts management. Music Performance provides students with a more specific background in music performance to prepare for a career as a performing musician, private music instructor, or continued study in graduate school.

Student Learning Outcomes

1. Demonstrate advanced performance skills on an instrument and/or voice.
2. Demonstrate the ability to work conceptually with the rhythmic, melodic, harmonic, and structural elements of music.
3. Demonstrate a broad knowledge of music literature, musical genres, and cultural sources.
4. Demonstrate proficiency in current music technology relevant to the field of study.

Concentrations within the major
General Music
Music Industry
Music Performance

Associated Degree Programs
Music (Vocal and Instrumental) Education (PK-12) Field Endorsement
Vocal Music Education (PK-12) Subject Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Music Minor

External Accreditation
National accreditation through the National Association of Schools of Music (NASM)

Program Requirements, 53-58 credit hours

In addition to requirements common to all music programs, the following information applies specifically to this program.

General Studies Requirement
MUS 103 Fundamentals of Music Theory for CAT 4.

Core Requirements, 15 credit hours

MUS 101 Music Theory I 3
MUS 102 Music Theory II 3
MUS 104 Aural Skills I 1
MUS 305 Music Technology 1
MUS 402 History and Literature of Music II 3

Primary Applied Lessons 100-level 4

Concentration Requirement, 38-43 credit hours

Select one of the following 38-43
General Music, 38 credit hours
Music Industry, 42 credit hours
Music Performance, 42-43 credit hours

Concentration Requirements

General Music Concentration, 38 credit hours

MUS 105 Aural Skills II 1
MUS 201 Music Theory III 3
MUS 202 Music Theory IV 3
MUS 204 Aural Skills III 1
MUS 205 Aural Skills IV 1
MUS 208 Fundamentals of Conducting 1
MUS 280 Class in Piano I 1
MUS 281 Class in Piano II 1
MUS 301 Counterpoint 2
MUS 302 Form and Analysis 2
MUS 303 Instrumentation 2

Select one of the following 2
MUS 306 Choral Conducting and Materials (2)
MUS 307 Instrumental Conducting and Materials (2)

MUS 380 Class in Piano III 1
MUS 381 Class in Piano IV 1
MUS 401 History and Literature of Music I 3
MUS 492 Senior Seminar 3

Upper-level Primary Applied Lessons 2

Ensemble electives 7
MUS 133 Fortis Choir (1)
MUS 140 Lyrica Treble Choir (1)
MUS 141 Choir (1)
MUS 142 Marching Band/Wind Ensemble (1)
MUS 149 Symphonic Band (0.5)
MUS 441 Choir (1)
MUS 442 Marching Band/Wind Ensemble (1)

Upper-level MUS Electives (not ensembles) 1

Music Industry Concentration, 42 credit hours

BUS 142 Survey of Accounting 3
BUS 270 Principles of Marketing 3
BUS 476 Omnichannel Retailing Management 3
MUS 210 Introduction to Performing Arts Management 3
MUS 280 Class in Piano I 1
MUS 281 Class in Piano II 1
MUS 304 Music Industry 3
MUS 403 Instrument Repair 1
MUS 409 Arts Marketing 3
MUS 420 Music Industry Capstone 2
MUS 497 Music Industry Internship 6

Upper-level Primary Applied Lessons 1

Ensemble electives 6
MUS 133 Fortis Choir (1)
MUS 135 Mariachi Negro y Oro (0.5)
MUS 136 Percussion Ensemble (0.5)
MUS 139 Keyboard Ensemble (0.5)
MUS 140 Lyrica Treble Choir (1)
MUS 141 Choir (1)
MUS 142 Marching Band/Wind Ensemble (1)
MUS 144 Chamber Choir (0.5)
MUS 145 Brass Ensemble (0.5)
MUS 146 Woodwind Ensemble (0.5)
MUS 147 Jazz Ensemble (0.5)
MUS 148 String Ensemble (0.5)
MUS 149 Symphonic Band (0.5)
MUS 441 Choir (1)
MUS 442 Marching Band/Wind Ensemble (1)

Electives by advisement 6
BUS 208 Business Communications (3)
BUS 222 Business Law I (3)
BUS 260 Management Theory and Practice (3)
BUS 307 Office Systems and Technologies (3)
BUS 350 Managing Behavior in Organizations (3)
BUS 356 Conflict Management (3)
BUS 357 Negotiations (3)
BUS 367 Foundations of Human Resource Management (3)
BUS 372 Selling and Sales Management (3)
BUS 373 Marketing with Social Media (3)
BUS 374 Advertising and Integrated Marketing (3)
BUS 471 Principles of Supervision (3)
BUS 475 Consumer Purchasing and Motivation (3)
CNA 162 Audio Production (3)
CNA 210 Interpersonal Communication (3)
CNA 232 Stagecraft (3)
CNA 262 Writing for the Mass Media (3)
CNA 274 Video and Film Production I (3)
CNA 301 Advertising Copywriting (3)
CNA 331 Scene Design (3)
CNA 337 Costumes and Make Up for the Stage and Screen (3)
CNA 374 Public Relations (3)
CNA 387 Lighting (3)
CNA 426 Public Relations through Social Media (3)
CNA 450 Media Design Applications (3)
CNA 459 Organizational Leadership (3)
CNA 472 Sound Design (3)
CNA 475 Communication Law (3)

Music Performance Concentration, 42-43 credit hours

MUS 105 Aural Skills II 1
MUS 201 Music Theory III 3
MUS 202 Music Theory IV 3
MUS 204 Aural Skills III 1
MUS 205 Aural Skills IV 1
MUS 208 Fundamentals of Conducting 1
MUS 280 Class in Piano I 1
MUS 281 Class in Piano II 1
MUS 302 Form and Analysis 2
MUS 380 Class in Piano III 1
MUS 381 Class in Piano IV 1
MUS 401 History and Literature of Music I 3
MUS 409 Arts Marketing 3
MUS 454 Senior Recital 1

Select one of the following in primary area 2
MUS 423 Vocal Pedagogy (2)
MUS 424 Keyboard Pedagogy and Literature (2)
MUS 425 String Pedagogy and Literature (2)
MUS 426 Brass Pedagogy and Literature (2)
MUS 427 Woodwind Pedagogy and Literature (2)

Upper-level Primary Applied Lessons 7
(A Junior Recital is required as a part of upper-level Applied Lessons)

Ensemble electives 7
MUS 133 Fortis Choir (1)
MUS 140 Lyrica Treble Choir (1)
MUS 141 Choir (1)
MUS 142 Marching Band/Wind Ensemble (1)
MUS 149 Symphonic Band (0.5)
MUS 441 Choir (1)
MUS 442 Marching Band/Wind Ensemble (1)

Emphasis Requirement, 3-4 credit hours
Select one of the following 3-4
Instrumentalist, 3 credit hours
Vocalist, 4 credit hours

Emphasis Requirements

Instrumentalist emphasis, 3 credit hours

MUS 341 Fundamentals of Jazz Improvisation 1

Ensemble electives 2
MUS 135 Mariachi Negro y Oro (0.5)
MUS 136 Percussion Ensemble (0.5)
MUS 139 Keyboard Ensemble (0.5)
MUS 145 Brass Ensemble (0.5)
MUS 146 Woodwind Ensemble (0.5)
MUS 148 String Ensemble (0.5)

Vocalist emphasis, 4 credit hours

MUS 310 Song and Choral Literature 2
MUS 320 Diction for Singers 2

Music (Vocal and Instrumental) Education (PK-12)

Music Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Field Endorsement

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Certification Information
In addition to accreditation and certification information common to all educator preparation programs, the following information applies specifically to this endorsement.

National accreditation through the National Association of Schools of Music (NASM)

Endorsement Participation Requirements
In addition to requirements common to all education preparation programs, the following information applies specifically to this endorsement.

Ensemble Requirements for Music Education PK-12 Field Endorsement

- Because of the dual nature of the PK-12 Field Endorsement, students in this degree program are required to participate in both instrumental and vocal ensembles. The minimum ensemble requirements for students enrolled in the PK-12 Field Endorsement program are:
    - Voice Primary
        - 5 hours of choir (MUS 133, 140, 141/441, or 144)
        - 2 hours of band (MUS 142/442, 147, or 149)
    - Winds and Percussion Primary
        - 5 hours of band (MUS 142/442, 147, or 149)
        - 2 hours of choir (MUS 133, 140, 141/441, or 144)
    - Keyboard, Guitar, or Other Strings Primary (as determined by the student's secondary performing area)
        - Voice Secondary
            - 5 hours of choir (MUS 133, 140, 141/441, or 144)
            - 2 hours of band (MUS 142/442, 147, or 149)
        - Wind or Percussion Secondary
            - 5 hours of band (MUS 142/442, 147, or 149)
            - 2 hours of choir (MUS 133, 140, 141/441, or 144)

Endorsement Requirements, 96 credit hours

In addition to requirements common to all music programs, the following information applies specifically to this program.

General Studies Requirement
MUS 103 Fundamentals of Music Theory for CAT 4.

Core Requirements, 15 credit hours

MUS 101 Music Theory I 3
MUS 102 Music Theory II 3
MUS 104 Aural Skills I 1
MUS 305 Music Technology 1
MUS 402 History and Literature of Music II 3

Primary Applied Lessons 100-level 4

Content Requirements, 45 credit hours

MUS 105 Aural Skills II 1
MUS 150 Class in Voice (instrumentalists only) 1
MUS 171 Class in Strings I 1
MUS 172 Class in Strings II 1
MUS 173 Class in Woodwinds I 1
MUS 174 Class in Woodwinds II 1
MUS 175 Class in Brass I 1
MUS 176 Class in Brass II 1
MUS 177 Class in Percussion 1
MUS 178 Class in Guitar 1
MUS 201 Music Theory III 3
MUS 202 Music Theory IV 3
MUS 204 Aural Skills III 1
MUS 205 Aural Skills IV 1
MUS 208 Fundamentals of Conducting 1
MUS 280 Class in Piano I 1
MUS 281 Class in Piano II 1

Select one of the following 2
MUS 300 Choral Arranging (2)
MUS 303 Instrumentation (2)

MUS 306 Choral Conducting and Materials 2
MUS 307 Instrumental Conducting and Materials 2
MUS 380 Class in Piano III 1
MUS 381 Class in Piano IV 1
MUS 401 History and Literature of Music I 3
MUS 422 Marching Band Techniques 1
MUS 454 Senior Recital 1

Upper-level Primary Applied Lessons 2

Secondary Applied Lessons 2

Ensemble electives 7
MUS 133 Fortis Choir (1)
MUS 140 Lyrica Treble Choir (1)
MUS 141 Choir (1)
MUS 142 Marching Band/Wind Ensemble (1)
MUS 149 Symphonic Band (0.5)
MUS 441 Choir (1)
MUS 442 Marching Band/Wind Ensemble (1)

Professional Education Requirements, 36 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 452 Clinical Practice and Seminar for Elementary School 6
EDU 456 Clinical Practice and Seminar for the Secondary School 6
MUS 308 Teaching Vocal Music 7-12 2
MUS 309 Teaching Instrumental Music 2
MUS 411 Content Area Practicum 0.5
MUS 412 Secondary Education Practicum 0.5
MUS 415 Teaching Music PK-6 2
SPD 302 Inclusion and Co-teaching in General Education 3

Select one of the following 3
SPD 435 Classroom Management through Social Emotional Learning K-6 (3)
SPD 436 Classroom Management through Social Emotional Learning 7-12 (3)

One Health Studies

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Comprehensive Major

"One Health is an integrated, unifying approach that aims to sustainably balance and optimize the health of people, animals, and ecosystems." (WHO One Health). The One Health Studies major combines an intentionally interdisciplinary core of diverse health, environmental, and social science foundations, and allows students to select one of four concentrations. The program equips students with holistic knowledge, skills, and collaborative aptitudes for diverse professions or post-graduate studies. These can include professions or post-graduate/professional studies in human, animal or environmental health sciences, public health, agriculture, wildlife management, social services, law, public policy, governmental agencies, and non-governmental organizations.

Student Learning Outcomes

1. Explain the interdisciplinary foundations of the One Health perspective.
2. Apply diverse academic perspectives to understand complex health issues.
3. Design collaborative interdisciplinary solutions for addressing complex health problems.
4. Critique benefits and challenges of interdisciplinary collaborations for human, animal, and environmental health.

Concentrations within the major

Ecological Health
Health Analysis
Health Behavior and Promotion
Social Health and Wellbeing

Associated Degree Programs

Life Sciences/Biology

Associated Minors, Supplemental Endorsements and Certificates

Biology Minor
Earth Science Minor
Environmental Studies Minor
Exercise Science Minor
Foods and Nutrition Minor
Geography Minor
Geospatial Technology Minor
Mathematics Minor
Psychology Minor
Sociology Minor

Program Requirements, 55-57 credit hours

General Studies Requirement

CNA 100 Principles of Human Communication for CAT 2.
MAT 180 Applied Probability and Statistics for CAT 3 is recommended.
PSY 101 General Psychology for CAT 5.
BIO 110 Biology Concepts for CAT 7.

Core Requirements, 37 credit hours

BIO 200 Zoology 4
BIO 325 Ecology 4
CNA 418 Health Communication 3
EAS 110 Introduction to Meteorology 4
EAS 360 Global Climate Change 3
FCS 317 Nutrition Through the Life Cycle 3
GEO 300 Human Geography 3
PED 105 Anatomy and Physiology I 3
PED 205 Anatomy and Physiology II 3
PGH 200 Introduction to Personal, Public and Global Health 3
PGH 480 One Health Studies Senior Seminar 1
PSY 316 Social Psychology 3

Concentration Requirement, 18-20 credit hours

Select one of the following 18-20
Ecological Health
Health Analysis
Health Behavior and Promotion
Social Health and Wellbeing

Concentration Requirements

Ecological Health Concentration, 18-20 credit hours

Students selecting this concentration will be prepared for work in a variety of agricultural, environmental, wildlife, conservation, zoo, or domestic animal, and public health professions, as well as graduate programs in environmental, public, and animal health sciences.

BIO 345 Conservation Biology 3
BIO 451 Advanced Ecology 3
GEO 410 Hazards and Disasters 3

Electives 9-11
BIO 145 Environmental Studies Seminar (1)
BIO 210 Experimental Plant Science (4)
BIO 400 Advanced Zoology (3)
BIO 406 Great Plains Flora (3)
BIO 415 Wildlife Management (4)
BIO 425 Evolution (3)
BIO 430 Parasitology (3)

EAS 410 Historical Geology (4)
EAS 430 Oceanography (3)
PGH 250 One Health Special Topics (1-3)
PGH 450 One Health Special Topics (1-3)
PGH 490 One Health Practicum (1-6)

Health Analysis Concentration, 18-20 credit hours

Student selecting this concentration will be prepared for work with Public Health departments, governmental and non-governmental agencies, or pursue graduate studies as epidemiologists, biostatisticians, environmental analysts, and health mapping professionals.

CSC 365 Scripting Languages 3
GEO 430 Geographic Information Systems 3
GEO 435 Computer Mapping 3

Electives 9-11
BUS 485 Introduction to Predictive Analytics (3)
CIS 130 Introduction to Computer/Information Technology (3)
CIS 132 Principles of Computing and Information Systems (3)
CIS 366 Introduction to Database (3)
CIS 477 Project Management (3)
CSC 150 Programming Fundamentals I (3)
CSC 160 Programming Fundamentals II (3)
CSC 310 Data Structures (3)
EAS 310 Excel for the Physical Sciences (1)
EAS 440 Field Hydrology (3)
GEO 425 Urban Geographic Information Systems (3)
GEO 435 Computer Mapping (3)
GEO 440 Remote Sensing (3)
MAT 140 Calculus I (5)
MAT 305 Discrete Mathematics (3)
MAT 335 Applied Mathematics and Modeling (3)
PGH 250 One Health Special Topics (1-3)
PGH 450 One Health Special Topics (1-3)
PGH 490 One Health Practicum (1-6)
SSC 300 Social Sciences Research Methods (3)
SSC 319 Statistics for the Social Sciences (3)

Health Behavior and Promotion Concentration, 18-20 credit hours

Students selecting this concentration will be prepared to work in public health promotion, health-fitness and community wellness professions or pursue graduate degrees in Public Health, Health Behavior, or Health Promotion.

CNA 374 Public Relations 3
PED 305 Exercise Physiology 3
PSY 345 Health Psychology 3

Electives 9-11
CNA 150 Introduction to Agricultural Communication (3)
CNA 201 Small Group Communication (3)
CNA 210 Interpersonal Communication (3)
CNA 377 Public Relations Writing (3)
FCS 110 Family and Personal Relationships (3)
FCS 115 Human Development and the Family (3)
FCS 207 Nutrition (3)
FCS 315 Consumer Economics (3)
FCS 322 International Foods and Cultures (3)
FCS 325 Health, Safety, and Nutrition for the Young Child (3)
FCS 340 Community Nutrition (3)
FCS 407 Nutritional Counseling and Assessment (3)
PSY 402 Learning (3)
PED 130 Introduction to Exercise and Allied Health Professions (3)
PED 330 Research and Current Trends in Exercise Science (3)
PED 400 Exercise and Clinical Populations (3)
PED 470 Fitness Evaluation and Assessment (3)
PGH 250 One Health Special Topics (1-3)
PGH 450 One Health Special Topics (1-3)
PGH 490 One Health Practicum (1-6)

Social Health and Wellbeing Concentration, 18-20 credit hours

This concentration will prepare students for work in public health, social services, public policy, law, governmental and non-governmental agencies.

POS 430 Public Policy 3
SOC 355 Health and Populations 3
SOC 460 Social Inequalities 3

Electives 9-11
ENG 150 Topics in Literature (3)
ENG 200 Expository Writing (3)
ENG 206 Workplace Writing (3)
ENG 383 Film and Literature (3)
ENG 384 World Literature (3)
GEO 305 Political Geography (3)
GEO 315 World Economic Geography (3)
GEO 325 Geography of Recreation, Tourism, and Sport (3)
GEO 340 Geography of the US and Canada (3)
GEO 350 Geography of Europe (3)
GEO 360 Geography of Russia (3)
GEO 370 Geography of Latin America (3)
GEO 380 Geography of Asia (3)
GEO 444 Topics in Geography (3)
HIS 170 World Civilizations I (3)

HIS 171 World Civilizations II (3)
HIS 280 America, 15000 BC to 1845 (3)
HIS 300 The Ancient World (3)
HIS 405 Mind-Altering Substances in World History (3)
POS 110 Introduction to World Politics (3)
POS 425 Rights and Liberties (3)
PGH 250 One Health Special Topics (1-3)
PGH 450 One Health Special Topics (1-3)
PGH 490 One Health Practicum (1-6)
PSY 230 Life Span Development (3)
PSY 345 Health Psychology (3)
PSY 406 Death and Dying (3)
PSY 415 Human Sexuality (3)
PSY 430 Positive Psychology (3)
PSY 440 Psychopharmacology (3)
PSY 450 Abnormal Psychology (3)
SOC 220 Social Problems (3)
SOC 320 Social Welfare (3)
SOC 408 Sociology of Mental Health (3)
SOC 420 Environmental Sociology (3)

Physical Education (PK-6)

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The program of study for a Subject Endorsement in Physical Education PK-6 is designed to provide students with opportunities to develop basic knowledge, understanding, and skills necessary for careers in health, physical education, recreation, athletics, coaching, and sport management applicable to pre-school and elementary students. Subject endorsements are meant to combine two or more content area subjects; therefore, students are required to select at least one additional subject area of concentration.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 57 credit hours

Content Requirements, 30 credit hours

PED 105 Anatomy and Physiology I 3
PED 171 Elementary School Health and Physical Education 3
PED 200 Introduction to Motor Learning and Development 3
PED 229 Aerobic Dance 1
PED 287 Computer Applications in HHPS 3

Select one of the following 3
PED 304 Sport Physiology (3)
PED 305 Exercise Physiology (3)

PED 346 Organization, Administration, and Curriculum Development of Elementary Health and Physical Education 3
PED 351 Biomechanics 3
PED 361 Methods and Materials in Health and Physical Education 3
PED 381 Physical Education Practicum 2
PED 407 Motor Perception and Adaptives for Special Populations 3

Professional Education Requirements, 27 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
SPD 302 Inclusion and Co-teaching in General Education 3

SPD 435 Classroom Management through Social Emotional Learning K-6 3
EDU 452 Clinical Practice and Seminar for Elementary School 6

Physical Education (7-12)

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The program of study for a Subject Endorsement in Physical Education 7-12 is designed to provide students with opportunities to develop basic knowledge, understanding, and skills necessary for careers in health, physical education, recreation, athletics, coaching, and sport management applicable to middle and secondary students. Subject endorsements are meant to combine two or more content area subjects; therefore, students are required to select at least one additional subject area of concentration.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 61 credit hours

PED 220 is variable activities, so may be repeated by advisement.

Content Requirements, 34 credit hours

PED 105 Anatomy and Physiology I 3
PED 200 Introduction to Motor Learning and Development 3
PED 205 Anatomy and Physiology II 3
PED 287 Computer Applications in HHPS 3
PED 305 Exercise Physiology 3
PED 341 Organization, Administration, and Curriculum Development of Secondary Health and Physical Education 3
PED 351 Biomechanics 3
PED 361 Methods and Materials in Health and Physical Education 3
PED 381 Physical Education Practicum 2
PED 407 Motor Perception and Adaptives for Special Populations 3

Select five of the following 5
PED 220 Fitness and Recreation Activities (1)
PED 224 Fitness and Pickle-Ball (1)
PED 227 Weight Training (1)
PED 229 Aerobic Dance (1)
PED 230 Tennis and Racquetball (1)

Professional Education Requirements, 27 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2

EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3
EDU 456 Clinical Practice and Seminar for the Secondary School 6

Political Science Education (6-12)

History, Politics, and Geography Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Endorsement

Political Science involves the study of how societies are governed and the consequences of that activity. The 6-12 Political Science Subject Endorsement is designed to prepare students for teaching careers at the junior and senior high school levels.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

1. Interpret primary materials/sources.
2. Analyze the strengths and weaknesses of scholarly arguments.
3. Critique views of civic or world issues.
4. Demonstrate communication skills in writing and/or speech.

Endorsement Requirements, 75 credit hours

An internship may satisfy up to 3 hours of electives.

Core Requirements, 12 credit hours

GEO 120 World Regional Geography 3

Select one of the following HIS courses 3
HIS 310 The Renaissance and Reformation (3)
HIS 315 The Age of Enlightenment (3)
HIS 360 Colonial and Revolutionary America (3)
HIS 385 America, 1945 to the Present (3)
HIS 425 History of the British Empire (3)
HIS 447 War and Society in World History (3)

Select one of the following POS courses 3
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 365 Comparative Government and Politics (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 445 Public Administration and Management (3)

Select one of the following 3
POS 430 Public Policy (3)
Or appropriate Honors Course 395 or 499 (3)

Content Requirements, 33 credit hours

POS 100 American National Government 3
POS 110 Introduction to World Politics 3
POS 315 Seminar in Political Theory 3
SSC 310 Research and Statistical Analysis 3

American Politics

Select two of the following 6
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 444 Topics in Political Science* (3)
*Only POS 444 with topics on American Politics will satisfy this requirement

Public Administration and Policy

Select two of the following 6
POS 402 State and Local Politics (3)
POS 410 Public Policy Analysis and Program Evaluation (3)
POS 444 Topics in Political Science* (3)
POS 445 Public Administration and Management (3)
SSC 319 Statistics for the Social Sciences (3)
*Only POS 444 with topics on Public Administration and Policy will satisfy this requirement

International Relations/Comparative

Select one of the following 3
POS 365 Comparative Government and Politics (3)
POS 444 Topics in Political Science* (3)
*Only POS 444 with topics on International Relations/Comparative will satisfy this requirement

Electives 3
ECO 430 International Economics (3)
GEO 300 Human Geography (3)
GEO 305 Political Geography (3)
HIS 360 Colonial and Revolutionary America (3)
HIS 370 The New Nation, 1789-1815 (3)
HIS 380 America, Civil War Era (3)
HIS 385 America, 1945 to the Present (3)
POS 497 Internship
PSY 316 Social Psychology (3)
SOC 320 Social Welfare (3)

Professional Education Requirements, 33 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2

EDU 409 Content Area Methods and Assessment (Social Sciences) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Psychology

Psychology and Sociology Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Major

Psychology is the science that studies behavior and mental processes. The major in Psychology is designed to provide a broad foundation of knowledge to meet the needs of students entering the helping professions, graduate schools, and/or related areas.

Student Learning Outcomes

1. Describe facts, concepts, theories, and issues of the discipline of psychology.
2. Use research methods and statistics to demonstrate critical thinking, reasoning, and analytical skills.
3. Create written and oral communication that reflects the principles of psychology.
4. Apply ethical standards of the discipline to psychological research.

Program Requirements, 36 credit hours

No more than 3 credit hours of internship will be accepted for electives.

General Studies Requirement

An MAT class should be taken to satisfy the CAT 3 as the pre-requisite for SSC 319 Statistics for the Social Sciences.

Content Requirements, 36 credit hours

PSY 101 General Psychology 3

Select one of the following 3
PSY 401 Theories of Personality (3)
PSY 470 History and Systems (3)

Select two of the following 6
PSY 402 Learning (3)
PSY 403 Cognitive Psychology (3)
PSY 460 Physiological Psychology (3)

PSY 405 Experimental Psychology 3
PSY 490 Assessment Seminar 0
SSC 319 Statistics for the Social Sciences 3

PSY electives 6
Upper-level PSY electives 12

Psychology Education (6-12)

Psychology and Sociology Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The 6-12 Psychology Subject Endorsement is designed to provide a broad foundation of knowledge of behavior and mental processes for students who desire to teach 6-12 psychology. Students will take courses in psychology and education and develop their teaching skills through student teaching in 6-12 classrooms.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 63 credit hours

No course with a grade below "C" will be accepted as part of the minimum requirements for the endorsement. No more than 3 credit hours of internship will be accepted for electives.

Content Requirements, 36 credit hours

PSY 101 General Psychology 3

Select one of the following 3
PSY 401 Theories of Personality (3)
PSY 470 History and Systems (3)

Select two of the following 6
PSY 402 Learning (3)
PSY 403 Cognitive Psychology (3)
PSY 460 Physiological Psychology (3)

PSY 405 Experimental Psychology 3
PSY 490 Assessment Seminar 0

ECO, GEO, HIS, POS, SOC electives 6
PSY electives 6
Upper-level PSY electives 9

Professional Education Requirements, 27 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment (Social Sciences) 3
EDU 414 Content Area Practicum Experience 1

EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 6
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Science Education (7-12)

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Field Endorsement

The Science 7-12 Field Endorsement program is for students who desire to teach any of the four disciplines of science (Biology, Chemistry, Earth Science, Physics) to learners in grades 7-12.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 85 credit hours

General Studies Requirement
MAT 130 Precalculus or MAT 140 Calculus I for CAT 3.

Content Requirements, 52 credit hours

Complete 52 credit hours of science content courses in the disciplines: Biology, Chemistry, Earth Science and Physics, with the following conditions.

- A minimum of 22 credit hours in the chosen primary discipline.
- A minimum of 10 credit hours in the other three disciplines.
- At least one Laboratory Techniques course: BIO 393, CHE 393, EAS 393, or PHY 393.
- At least 24 upper-level credit hours.

Biology Discipline, 10-22 credit hours
BIO 110 Biology Concepts 4
BIO 200 Zoology 4

Electives 2-14
BIO 210 Experimental Plant Science (4)
BIO 220 Human Anatomy (4)
BIO 320 Molecular Genetics (4)
BIO 325 Ecology (4)
BIO 340 Human Physiology (4)
BIO 370 Introduction to Research (2)
BIO 393 Laboratory Techniques (1)
BIO 425 Evolution (3)
Other BIO courses by advisement

Chemistry Discipline, 10-22 credit hours
CHE 106 General Chemistry I 4
CHE 107 General Chemistry II 4

Electives 2-14
CHE 305 Analytical Chemistry (4)
CHE 314 Organic Chemistry I (4)
CHE 315 Organic Chemistry II (4)
CHE 326 Biochemistry I (4)
CHE 390 Inorganic Chemistry (3)
CHE 393 Laboratory Techniques (1)
CHE 426 Biochemistry II (3)
Other CHE courses by advisement

Earth Science Discipline, 10-22 credit hours
EAS 110 Introduction to Meteorology 4
EAS 120 Introduction to Geology 4

Electives 2-14
EAS 302 Astronomy (4)
EAS 320 Rocks and Minerals (3)
EAS 340 Environmental Geology (3)
EAS 350 Topics in Earth Science (1-3)
EAS 360 Global Climate Change (3)
EAS 393 Laboratory Techniques (1)
EAS 440 Field Hydrology (3)
Other EAS courses by advisement

Physics Discipline, 10-22 credit hours
Select one of the following 3-4
PHY 201 General Physics I (3)
PHY 301 University Physics I (4)

PHY 321 Physics Laboratory I 1

Electives 6-18
PHY 202 General Physics II (3)
PHY 302 University Physics II (4)
PHY 322 Physics Laboratory II (1)
PHY 393 Physics Laboratory Techniques (1)
PHY 410 Physics for Teachers I (3)
PHY 420 Physics for Teachers II (3)
PHY 457 Modern Physics (3)
Other PHY courses by advisement

Professional Education Requirements, 33 credit hours

EDU 150 Introduction of Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2

EDU 409 Content Area Methods and Assessment (Science Methods) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School..... 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Secondary English Education (6-12)

Language and Literature Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Endorsement

A person with this subject endorsement may teach and direct curricular and co-curricular activities in composition, language, literature, and reading in grades 6-12. This is a stand-alone subject endorsement.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 71 credit hours

Content Requirements, 40 credit hours

ENG 202 Poetry Workshop 3
ENG 270 Critical Approaches to Literature 3
ENG 361 American Literature I 3
ENG 362 American Literature II 3
ENG 371 British Literature I 3
ENG 372 British Literature II 3
ENG 380 Shakespeare 3

Select one of the following 3
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)

Select one of the following 3
ENG 381 Classical Mythology (3)
ENG 382 The Bible as Literature (3)

ENG 426 Linguistic Theory and Applications 3
ENG 441 Traditional English Grammar 1
ENG 442 Teaching Writing 2
ENG 443 Young Adult Literature 2
ENG 444 Developmental Reading in Middle and Secondary Schools 2
ENG 480 Senior Seminar 3

Professional Education Requirements, 31 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 409 Content Area Methods and Assessment (English) 3
EDU 414 Content Area Practicum Experience 1

EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-Teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Skilled and Technical Sciences Education (6-12)

Technology and Applied Sciences Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Field Endorsement

Students planning to teach industrial technology subjects in schools' grades 6-12 should work toward the major in skilled and technical sciences field endorsement. Students will take a variety of classes in the different areas of Industrial Technology to prepare for a career in educational settings. Persons with this endorsement may teach Skilled and Technology Sciences Education and will be eligible for the Work-Based Learning Education supplemental endorsement.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Work Experience
This endorsement is available only to those persons who have either A) 1,000 verified hours of paid work experience relevant to the career field; or B) at least 300 hours of supervised work experience relevant to the career field under the direction of the college.

Endorsement Requirements, 81 credit hours

Content Requirements, 48 credit hours

CED 417 Principles of Career Education 3
CED 423 Coordinating Techniques 3
CSC 378 Robotics 3
ITE 114 Introduction to Applied Engineering and Technology 3
ITE 202 Construction Systems 3
ITE 205 Introduction to Manufacturing Technology 3
ITE 210 Introduction to Energy, Power and Transportation Systems 3
ITE 214 Residential Drawing 3
ITE 219 Mechanical and Engineering Drafting 3
ITE 300 Small Engines 3
ITE 307 Cabinetmaking and Millwork 3
ITE 308 Construction Technology 3
ITE 322 Fundamentals of CNC Machining 3
ITE 326 Technology Lab Design, Care, and Maintenance 3
ITE 330 Welding Theory and Fabrication 3
ITE 403 Electronics and Control Systems 3

Professional Education Courses, 33 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2

EDU 409 Content Area Methods and Assessment 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3
EDU 456 Clinical Practice and Seminar for the Secondary School 12

Social Sciences

History, Politics, and Geography Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Comprehensive Major

Social Sciences offers courses and programs of study designed to help the student understand the history and nature of human beings in a social context. These programs prepare students for a wide range of future careers and for advanced study in many post-graduate programs of study.

Student Learning Outcomes

1. Interpret primary materials/sources.
2. Analyze the strengths and weaknesses of scholarly arguments.
3. Critique views of civic or world issues.
4. Demonstrate communication skills in writing.

Concentrations within the major
Geography
History
Political Science

Associated Degree Programs
Geography Education (6-12) Subject Endorsement
History Education (6-12) Subject Endorsement
Political Science Education (6-12) Subject Endorsement
Social Studies Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Geography Minor
Geospatial Technology Minor
History Minor
International Studies Minor
Mapping Minor
Political Science Minor
Public Administration Minor
Pre-Law Minor
Social Sciences Minor
Travel and Tourism Minor

Program Requirements, 48 credit hours

Core Requirements, 12 credit hours
GEO 120 World Regional Geography 3

Select one of the following HIS courses 3
HIS 310 The Renaissance and Reformation (3)
HIS 315 The Age of Enlightenment (3)
HIS 360 Colonial and Revolutionary America (3)
HIS 385 America, 1945 to the Present (3)
HIS 425 History of the British Empire (3)
HIS 447 War and Society in World History (3)

Select one of the following POS courses 3
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 365 Comparative Government and Politics (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 445 Public Administration and Management (3)

Select one of the following courses depending on concentration 3
GEO 315 World Economic Geography (3)
POS 430 Public Policy (3)
SSC 490 Social Sciences Research Seminar (3)
Or appropriate Honors Course 395 or 499 (3)

Concentration Requirement, 36 credit hours
Select one of the following 36
Geography
History
Political Science

Concentration Requirements

Geography Concentration, 36 credit hours

GEO 315 World Economic Geography must be taken in the core.

GEO 130 Physical Geography 3

Select one of the following 3
GEO 425 Urban Geographic Information Systems (3)
GEO 430 Geographic Information Systems (3)
GEO 435 Computer Mapping (3)

EAS or GEO electives 12
Upper-level EAS or GEO electives 18

History Concentration, 36 credit hours

SSC 490 Social Sciences Research Seminar or appropriate Honors Course 395 or 499 must be taken in the core. HIS 385 must be taken in the core.
No course with a grade below “C” will be accepted.

HIS 170 World Civilizations I 3
HIS 171 World Civilizations II 3
HIS 280 America, 15000 BC to 1845 3
HIS 281 America, 1845-1945 3
U.S. upper-level HIS electives 3
Non-U.S. upper-level HIS electives 6
HIS electives by advisement 6
Upper-level HIS electives 9

Political Science Concentration, 36 credit hours

POS 430 Public Policy or appropriate Honors Course 395 or 499 must be taken in the core. An internship may satisfy up to 3 hours of electives.

POS 100 American National Government 3
POS 110 Introduction to World Politics 3
POS 315 Seminar in Political Theory 3
SSC 310 Research and Statistical Analysis 3

American Politics

Select two of the following 6
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 444 Topics in Political Science* (3)
*Only POS 444 with topics on American Politics will satisfy this requirement.

Public Administration and Policy

Select two of the following 6
POS 402 State and Local Politics (3)
POS 410 Public Policy Analysis and Program Evaluation (3)
POS 444 Topics in Political Science* (3)
POS 445 Public Administration and Management (3)
SSC 319 Statistics for the Social Sciences (3)
*Only POS 444 with topics on Public Administration and Policy will satisfy this requirement.

Select one of the following International Relations/Comparative courses 3
POS 365 Comparative Government and Politics (3)
POS 444 Topics in Political Science* (3)
*Only POS 444 with topics on International Relations/Comparative will satisfy this requirement.

Upper-level electives from the courses listed above 9

Social Sciences (Subject Major)

History, Politics, and Geography Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Major

Social Sciences offers courses and programs of study designed to help the student understand the history and nature of human beings in a social context. These programs prepare students for a wide range of future careers and for advanced study in many post-graduate programs of study.

Student Learning Outcomes

1. Interpret primary materials/sources.
2. Analyze the strengths and weaknesses of scholarly arguments.
3. Critique views of civic or world issues.
4. Demonstrate communication skills in writing.

Concentrations within the major

Geography
History
Political Science

Associated Degree Programs

Geography Education (6-12) Subject Endorsement
History Education (6-12) Subject Endorsement
Political Science Education (6-12) Subject Endorsement
Social Studies Education (6-12) Field Endorsement

Associated Minors, Supplemental Endorsements and Certificates

Geography Minor
Geospatial Technology Minor
History Minor
International Studies Minor
Mapping Minor
Political Science Minor
Public Administration Minor
Pre-Law Minor
Social Sciences Minor
Travel and Tourism Minor

Program Requirements, 42 credit hours

Core Requirements, 12 credit hours

GEO 120 World Regional Geography 3

Select one of the following 3
HIS 310 The Renaissance and Reformation (3)
HIS 315 The Age of Enlightenment (3)
HIS 360 Colonial and Revolutionary America (3)
HIS 385 America, 1945 to the Present (3)
HIS 425 History of the British Empire (3)
HIS 447 War and Society in World History (3)

Select one of the following 3
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 365 Comparative Government and Politics (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 445 Public Administration and Management (3)

Select one of the following courses depending on concentration 3
GEO 315 World Economic Geography (3)
POS 430 Public Policy (3)
SSC 490 Social Sciences Research Seminar (3)
Or appropriate Honors Course 395 or 499 (3)

Concentration Requirement, 30 credit hours
Select one of the following 30
Geography
History
Political Science

Concentration Requirements

Geography Concentration, 30 credit hours

GEO 315 World Economic Geography must be taken in the core.

GEO 130 Physical Geography 3

Select one of the following 3
GEO 425 Urban Geographic Information Systems (3)
GEO 430 Geographic Information Systems (3)
GEO 435 Computer Mapping (3)

EAS or GEO electives 12
Upper-level EAS or GEO electives 12

History Concentration, 30 credit hours

SSC 490 Social Sciences Research Seminar or appropriate Honors Course 395 or 499 must be taken in the core. HIS 385 must be taken in the core. No course with a grade below "C" will be accepted.

HIS 170 World Civilizations I 3
HIS 171 World Civilizations II 3
HIS 280 America, 15000 BC to 1845 3
HIS 281 America, 1845-1945 3

U.S. upper-level HIS electives 3
Non-U.S. upper-level HIS electives 6
HIS electives by advisement 9

Political Science Concentration, 30 credit hours

POS 430 Public Policy or appropriate Honors Course 395 or 499 must be taken in the Social Sciences Core. An internship may satisfy up to 3 hours of electives.

POS 100 American National Government 3
POS 110 Introduction to World Politics 3
POS 315 Seminar in Political Theory 3
SSC 310 Research and Statistical Analysis 3

American Politics

Select two of the following 6
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 444 Topics in Political Science* (3)
*Only POS 444 with topics on American Politics will satisfy this requirement.

Public Administration and Policy

Select two of the following 6
POS 402 State and Local Politics (3)
POS 410 Public Policy Analysis and Program Evaluation (3)
POS 444 Topics in Political Science* (3)
POS 445 Public Administration and Management (3)
SSC 319 Statistics for the Social Sciences (3)
*Only POS 444 with topics on Public Administration and Policy will satisfy this requirement.

Select one of the following International Relations/Comparative courses 3
POS 365 Comparative Government and Politics (3)
POS 444 Topics in Political Science* (3)
*Only POS 444 with topics on International Relations/Comparative will satisfy this requirement.

Upper-level electives from the courses listed above 3

Social Studies Education (6-12)

History, Politics, and Geography Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Field Endorsement

The Field Endorsement in the Social Studies provides a course of study designed to help the student understand the history and nature of human beings in a social context. It prepares students to become educators with broad competence in teaching a variety of social studies courses.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

1. Interpret primary materials/sources.
2. Analyze the strengths and weaknesses of scholarly arguments.
3. Critique views of civic or world issues.
4. Demonstrate communication skills in writing and/or speech.

Endorsement Requirements, 99 credit hours

The endorsement includes 9 hours of the General Studies history and social studies requirements. GEO 490 Geography and History of Nebraska or HIS 490 Geography and History of Nebraska must be taken in fulfillment of the upper-level history or geography requirements.
No course with a grade below "C" will be accepted as part of the minimum requirements for the endorsement.

General Studies Requirement
BUS 122 Personal Finance in Modern Society for CAT 3.

Core Requirements, 12 credit hours

GEO 120 World Regional Geography 3
HIS 385 America, 1945 to the Present 3

Select one of the following 3
POS 350 The American Presidency (3)
POS 355 Politics of the Supreme Court (3)
POS 365 Comparative Government and Politics (3)
POS 420 American Constitutional Law (3)
POS 425 Rights and Liberties (3)
POS 445 Public Administration and Management (3)

Select one of the following 3
SSC 490 Social Sciences Research Seminar (3)
Or appropriate Honors Course 395 or 499 (3)

Content Requirements, 54 credit hours

History

HIS 170 World Civilizations I 3
HIS 171 World Civilizations II 3
HIS 280 America, 15000 BC to 1845 3
HIS 281 America, 1845-1945 3

U.S. upper-level HIS elective 3
Non-U.S. upper-level HIS electives 6
Upper-level HIS elective 6

Economics

ECO 202 Principles of Macroeconomics 3
ECO 203 Principles of Microeconomics 3

Geography

Upper-level GEO electives 6

Political Science

POS 100 American National Government 3
Upper-level POS elective 3

Psychology

PSY 101 General Psychology 3
Upper-level PSY elective 3

Sociology

SOC 101 Introduction to Sociology 3

Professional Education Requirements, 33 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment (Social Sciences) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 12
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Sociology

Psychology and Sociology Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Major

Sociology is the scientific study of human behavior and social processes and change. Students will develop an appreciation of the realities of our fast-paced globalizing world and the increasing diversity it brings into our lives. Sociology students will receive training to study and provide needed insights into many aspects of social life such as: globalization, cultural diversity, and inequality; crime and delinquency; environmental change and hazards; health and wellness; trauma; mob behavior, social movements, and social change; education reform; labor markets and the workplace; and issues of war and peace. Sociology majors will graduate with strong research, writing and communication skills. Sociology majors will also be prepared for career paths and post- graduate study in human and social services, community development and planning, criminal justice fields and law, human resources, business and marketing research, policy fields, public health, and medicine.

Student Learning Outcomes

1. Apply the major concepts and assumptions of the core sociological theoretical perspectives to social phenomena.
2. Explain how social structures create and reproduce forms of social inequality.
3. Evaluate data utilizing basic knowledge of social science research methods.
4. Evaluate the importance of socio-cultural diversity for the individual and society.

Associated Degree Programs

Sociology Education (6-12) Subject Endorsement

Program Requirements, 36 credit hours

General Studies Requirement

An MAT class should be taken to satisfy the CAT 3 as the pre-requisite for SSC 319 Statistics for the Social Sciences.

Content Requirements, 36 credit hours

Select one of the following 3
SOC 101 Introduction to Sociology (3)
SOC 220 Social Problems (3)

SOC 480 Social Theory 3
SOC 490 Assessment Seminar 0
SSC 300 Social Sciences Research Methods 3
SSC 319 Statistics for the Social Sciences 3

Select one of the following 3
SOC 245 Race and Ethnic Relations (3)
SOC 444 Topics in Sociology (3)
Only SOC 444 with topics on diversity and inclusion will be accepted.
SOC 460 Social Inequalities (3)

Choose one of the following 3
SOC 305 Sociology of Deviance (3)
SOC 320 Social Welfare (3)
SOC 355 Health and Populations (3)

SOC electives 3

Electives 6
CJA 405 Family Violence (3)
POS 430 Public Policy (3)
PSY 316 Social Psychology (3)
Or any upper-level SOC course

Upper-level SOC electives 9

Sociology Education (6-12)

Psychology and Sociology Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The 6-12 Sociology Subject Endorsement is designed to develop the knowledge and skills needed to become a successful 6-12 sociology educator. Students will take classes in sociology and develop their teaching skills through student teaching in 6-12 classrooms.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 63 credit hours

No course with a grade below "C" will be accepted for this endorsement.

Content Requirements, 36 credit hours

SOC 101 Introduction to Sociology 3
SOC 220 Social Problems 3
SOC 245 Race and Ethnic Relations 3
SOC 480 Social Theory 3
SOC 490 Assessment Seminar 0
SSC 300 Social Sciences Research Methods 3

ECO, GEO, POS, PSY electives 6
Upper-level SOC electives 15

Professional Education Requirements, 27 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment (Social Sciences) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 6
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Spanish

Language and Literature Department
School of Arts and Humanities
Bachelor of Arts
Subject Major

The Spanish program teaches students to use written and spoken Spanish in a variety of fields. The literature/culture/cinema/language-based curriculum covers the history and literature of the Spanish-speaking world as well as contemporary intersections of class, violence and inequality, migration and diaspora, the legacies of slavery and colonialism, race and racism, and gender and sexuality. The curriculum prepares students for careers in secondary and higher education. The Spanish major also complements careers such as medicine, construction, criminal justice, and many others.

Student Learning Outcomes

1. Demonstrate listening, speaking, reading, and writing skills for effective communication in Spanish in a work or social environment.
2. Use correctly the grammatical structure and lexicon of Spanish.
3. Identify key historical events, literary figures, and popular cultural elements that are part of the Hispanic heritage.
4. Demonstrate critical thinking skills in written analyses of Spanish language literary texts.
5. Recognize the intersection between Hispanic literatures/films and the discourses of class, ethnicity, human rights, religion, violence, traditions, gender, and sexuality.

Associated Degree Programs
World Language/Spanish Education (6-12) Subject Endorsement

Associated Minors, Supplemental Endorsements and Certificates
Spanish minor

Program Requirements, 30 credit hours

SPA 210 Intermediate Spanish I 3
SPA 220 Intermediate Spanish II 3
SPA 305 Advanced Grammar and Composition 3

Select one of the following civilization or culture courses 3
SPA 301 Spanish Civilization (3)
SPA 302 Spanish-American Civilization (3)
SPA 303 Hispanics in the United States (3)

Select one of the following literature courses 3
SPA 316 Introduction to Hispanic Literature (3)
SPA 317 Spanish Literature (3)
SPA 333 Survey of Spanish American Literature (3)

Select one of the following Special Topics in Literature courses 3
SPA 335 Special Topics in Spanish Literature (3)
SPA 337 Special Topics in Spanish American Literature (3)

Electives, at least 9 credit hours in SPA..... 12
CNA 467 Intercultural Communication (3)
ENG 270 Critical Approaches to Literature (3)
ENG 384 World Literature (3) (by advisement)
GEO 370 Geography of Latin America (3)
HIS 423 History of Spain, 1469-Present (3)
SPA 301 Spanish Civilization (3)
SPA 302 Spanish-American Civilization (3)
SPA 303 Hispanics in the United States (3)
SPA 304 Spanish for Business (3)
SPA 305 Advanced Grammar and Composition (3)
SPA 306 Spanish for Health Professionals (3)
SPA 307 Conversation and Composition (3)
SPA 315 Spanish Translation (3)
SPA 316 Introduction to Hispanic Literature (3)
SPA 317 Spanish Literature (3)
SPA 333 Survey of Spanish American Literature (3)
SPA 335 Special Topics in Spanish Literature (3)
SPA 337 Special Topics in Spanish American Literature (3)
SPA 340 Special Topics (2-3)

Special Education Generalist (K-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Field Endorsement

The K-12 Special Education Field Endorsement is an education preparation program within the School of Education and Behavioral Sciences (EBS) and is governed by all requirements established and set forth by the School.

This field endorsement prepares future educators to meet the needs of exceptional learners in inclusive K-12 settings.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Utilize evidence-based inclusive practices to develop meaningful learning experiences for K-12 students with special educational needs in accordance with relevant legislation.

Endorsement Requirements, 81 credit hours

General Studies Requirement
MAT 210 Mathematics for Elementary School Teachers I for CAT 3.

Content Requirements, 42 credit hours
EDU 423 Development of Social Studies in the Elementary and Middle School 3
EDU 431 Development of Science in the Elementary and Middle School 3
EDU 432 Development of Mathematics in the Elementary and Middle School 3
SPD 160 Introduction to Special Education 3
SPD 252 Instructional Methods for Special Education K-6 3
SPD 254 Instructional Methods for Special Education 7-12 3
SPD 255 Functional Curriculum and Instructional Methods 3
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 332 Special Education Law 3
SPD 352 Assessment, Evaluation and the IEP K-12 3
SPD 461 Practicum in Special Education 3
SPD 435 Classroom Management through Social Emotional Learning K-6 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3
SPD 452 Consultation and Collaboration 3

Professional Education Requirements, 39 credit hours
EDU 150 Introduction to Professional Education 3
EDU 216 Children's Literature 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 332 Development of Language Arts in the Elementary and Middle School 3

EDU 341 Intermediate Reading 3
EDU 430 Literacy Assessment 3
EDU 445 Preparing for Level 3: Clinical Practice 0
MAT 215 Mathematics for Elementary School Teachers II 3

Select one of the following 3
EDU 302 Curriculum, Standards, and Assessment in the Elementary School (3)
EDU 318 Professional Communication (3)
EDU 340 Early Reading (3)
EDU 350 The Middle Level Teacher (3)
SOC 245 Race and Ethnic Relations (3)

SPD 458 Clinical Practice and Seminar for Special Education K-6 6
SPD 460 Clinical Practice and Seminar for Special Education 7-12 6

Special Education Generalist (K-6)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The K-6 Special Education Subject Endorsement is an education preparation program within the School of Education and Behavioral Sciences (EBS) and is governed by all requirements established and set forth by the School.

This subject endorsement prepares future educators to meet the needs of exceptional learners in inclusive K-6 settings.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Utilize evidence-based inclusive practices to develop meaningful learning experiences for K-6 students with special education needs in accordance with relevant legislation.

Certification Information
In addition to accreditation and certification information common to all educator preparation programs, the following information applies specifically to this endorsement.

Endorsement Requirements, 60 credit hours

General Studies Requirement
MAT 210 Mathematics for Elementary School Teachers I for CAT 3.

Content Requirements, 36 credit hours
EDU 423 Development of Social Studies in the Elementary and Middle School 3
EDU 431 Development of Science in the Elementary and Middle School 3
EDU 432 Development of Mathematics in the Elementary and Middle School 3
SPD 160 Introduction to Special Education 3
SPD 252 Instructional Methods for Special Education K-6 3
SPD 255 Functional Curriculum and Instructional Methods 3
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 332 Special Education Law 3
SPD 352 Assessment, Evaluation and the IEP K-12 3
SPD 435 Classroom Management through Social Emotional Learning K-6 3
SPD 452 Consultation and Collaboration 3
SPD 461 Practicum in Special Education 3

Professional Education Requirements, 24 credit hours
EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3

EDU 340 Early Reading 3
EDU 430 Literacy Assessment 3
EDU 445 Preparing for Level 3: Clinical Practice 0

Select one of the following 3
CNA 451 Speech Pathology (3)
EDU 318 Professional Communication (3)
EDU 350 The Middle Level Teacher (3)
HUS 202 Introduction to Human Services (3)
HUS 218 Personal Growth (3)
SOC 245 Race and Ethnic Relations (3)

SPD 458 Clinical Practice and Seminar for Special Education K-6 6

Special Education Generalist (7-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Bachelor of Arts or Bachelor of Science
Subject Endorsement

The 7-12 Special Education Subject Endorsement is an education preparation program within the School of Education and Behavioral Sciences (EBS) and is governed by all requirements established and set forth by the School. This subject endorsement prepares future educators to meet the needs of exceptional learners in inclusive 7-12 settings.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Utilize evidence-based inclusive practices to develop meaningful learning experiences for 7-12 students with special educational needs in accordance with relevant legislation.

Endorsement Requirements, 45 credit hours

Content Requirements, 27 credit hours

SPD 160 Introduction to Special Education 3
SPD 254 Instructional Methods for Special Education 7-12 3
SPD 255 Functional Curriculum and Instructional Methods 3
SPD 302 Inclusion and Co-teaching in General Education 3
SPD 332 Special Education Law 3
SPD 352 Assessment, Evaluation and the IEP K-12 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3
SPD 452 Consultation and Collaboration 3
SPD 461 Practicum in Special Education 3

Professional Education Requirements, 18 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 445 Preparing for Level 3: Clinical Practice 0

Select one of the following 3
CED 417 Principles of Career Education (3)
CED 423 Coordinating Techniques (3)
CNA 451 Speech Pathology (3)
EDU 318 Professional Communication (3)
EDU 350 The Middle Level Teacher (3)
SOC 245 Race and Ethnic Relations (3)

SPD 460 Clinical Practice and Seminar for Special Education 7-12 6

Sport Management

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The undergraduate Sport Management Program is designed to prepare students to be leaders in the ever-changing and highly competitive sport industry. The curriculum provides students with the skills and knowledge, as well as the practical experience, necessary to excel as professionals that will positively impact practices and policies at all levels of organized sport.

Student Learning Outcomes

1. Explain skills, roles, and functions of sport managers.
2. Apply ethical concepts to issues in the sport workplace.
3. Apply fundamental marketing concepts to the sport industry and the unique aspects of sport markets.
4. Explain legal concepts and basic risk management issues as they relate to the sport workplace.
5. Demonstrate ability to use technology effectively in the application of sport management practice.

Associated Minors, Supplemental Endorsements and Certificates
Sport Management Minor

Program Requirements, 57 credit hours

A student must meet the following requirements before being allowed to enter the fieldwork program.

- Completion of all General Studies requirements.
- Completion of all Sport Management major courses.
- Completion of a minimum of 108 credit hours.

BUS 142 Survey of Accounting 3
BUS 260 Management Theory and Practice 3
BUS 270 Principles of Marketing 3

Select one of the following 3
CNA 392 Sports Writing (3)
GEO 325 Geography of Recreation, Tourism, and Sport (3)
PED 288 Sport Tourism and Event Management (3)

PED 140 Introduction to Sport Management 3
PED 277 Media Relations in Sport 3
PED 287 Computer Application in HHPS 3
PED 295 Sport Management Public Relations and Communications 3
PED 390 Ethics in Sport Management 3
PED 405 Sport Business 3
PED 410 Sport Law 3
PED 411 Sport Marketing and Promotion 3

PED 450 Leadership in Sport Organizations 3
PED 464 Facility Management in Sport and Wellness 3
PED 485 Sport in American Culture 3
PED 489 Fieldwork in Sport Management 12

Technology

Technology and Applied Sciences Department
School of Business and Technology
Bachelor of Arts or Bachelor of Science
Comprehensive Major

The bachelor's degree with a major in Technology will provide an opportunity for the students transferring to WSC from a technical or community college with an associate of applied arts or science degree or approved coursework to continue their education for employment potential, advancement in business and industry or to teach at the post-secondary level.

Student Learning Outcomes

1. Communicate effectively in written and oral communication.
2. Explain major management and leadership strategies in their respective area of study.
3. Use data to make informed decisions.

Program Requirements, 57 credit hours

Core Requirements, 40 credit hours

Electives 40
Transfer up to 40 hours of technology related coursework in Agriculture, Computers, Construction, Drafting, Management Services, Manufacturing and Safety.

Concentration Requirement, 17 credit hours

Select one of the following 17
Agricultural Occupations
Computer Occupations
Construction Occupations
Drafting Occupations
Industrial Management Occupations
Industrial Trades Occupations
Management Services Occupations
Manufacturing Occupations
Safety Occupations

Concentration Requirements

Supporting upper-level electives will be approved by the student's advisor(s), the Technology and Applied Science department chair and the Technology Curriculum committee.

Agricultural Occupations Concentration, 17 credit hours

Supporting upper-level electives by advisement..... 17

Computer Occupations Concentration, 17 credit hours

Supporting upper-level electives by advisement..... 17

Construction Occupations Concentration, 17 credit hours
Supporting upper-level electives by advisement 17

Drafting Occupations Concentration, 17 credit hours
Supporting upper-level electives by advisement 17

Industrial Management Occupations Concentration, 17 credit hours
Supporting upper-level electives by advisement 17

Industrial Trades Occupations Concentration, 17 credit hours
Supporting upper-level electives by advisement 17

Management Services Occupations Concentration, 17 credit hours
Supporting upper-level electives by advisement 17

Manufacturing Occupations Concentration, 17 credit hours
Supporting upper-level electives by advisement 17

Safety Occupations Concentration, 17 credit hours
Supporting upper-level electives by advisement 17

Vocal Music Education (PK-12)

Music Department
School of Arts and Humanities
Bachelor of Arts or Bachelor of Science
Subject Endorsement

This is a stand-alone subject endorsement.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Certification Information
In addition to accreditation and certification information common to all educator preparation programs, the following information applies specifically to this endorsement.

National accreditation through the National Association of Schools of Music (NASM)

Endorsement Requirements, 93 credit hours

In addition to requirements common to all music programs, the following information applies specifically to this program.

General Studies Requirement
MUS 103 Fundamentals of Music Theory for CAT 4.

Core Requirements, 15 credit hours
MUS 101 Music Theory I 3
MUS 102 Music Theory II 3
MUS 104 Aural Skills I 1
MUS 305 Music Technology 1
MUS 402 History and Literature of Music II 3

Primary Applied Lessons 100-level 4

Content Requirements, 44 credit hours
For MUS 454, if voice is the primary performing area, the secondary performing area must be keyboard; if keyboard is the primary performing area, the secondary area must be voice.

MUS 105 Aural Skills II 1

Select two of the following 2
MUS 171 Class in Strings I (1)
MUS 172 Class in Strings II (1)
MUS 173 Class in Woodwinds I (1)
MUS 174 Class in Woodwinds II (1)
MUS 175 Class in Brass I (1)
MUS 176 Class in Brass II (1)
MUS 177 Class in Percussion (1)

MUS 178 Class in Guitar 1
MUS 201 Music Theory III 3
MUS 202 Music Theory IV 3
MUS 204 Aural Skills III 1
MUS 205 Aural Skills IV 1
MUS 208 Fundamentals of Conducting 1
MUS 280 Class in Piano I 1
MUS 281 Class in Piano II 1
MUS 300 Choral Arranging 2
MUS 302 Form and Analysis 2
MUS 306 Choral Conducting 2
MUS 310 Song and Choral Literature 2
MUS 320 Diction for Singers 2
MUS 380 Class in Piano III 1
MUS 381 Class in Piano IV 1
MUS 401 History and Literature of Music I 3
MUS 423 Vocal Pedagogy 2
MUS 454 Senior Recital 1

Upper-level Primary Applied Lessons 2
Secondary Applied Lessons 2

Ensemble electives 7
MUS 133 Fortis Choir (1)
MUS 140 Lyrica Treble Choir (1)
MUS 141 Choir (1)
MUS 441 Choir (1)

Professional Education Requirements, 34 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 452 Clinical Practice and Seminar for Elementary School 6
EDU 456 Clinical Practice and Seminar for the Secondary School 6
MUS 308 Teaching Vocal Music 7-12 2

MUS 411 Content Area Practicum 0.5
MUS 412 Secondary Education Practicum 0.5
MUS 415 Teaching Music PK-6 2
SPD 302 Inclusion and Co-teaching in General Education 3

Select one of the following 3
SPD 435 Classroom Management through Social Emotional Learning K-6 (3)
SPD 436 Classroom Management through Social Emotional Learning 7-12 (3)

World Language/Spanish Education (6-12)

Language and Literature Department
School of Arts and Humanities
Bachelor of Arts
Subject Endorsement

The Spanish program teaches students to use written and spoken Spanish in a variety of fields. The literature/culture/cinema/language-based curriculum covers the history and literature of the Spanish-speaking world as well as contemporary intersections of class, violence and inequality, migration and diaspora, the legacies of slavery and colonialism, race and racism, and gender and sexuality. The curriculum prepares students for careers in secondary and higher education.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries additional SLOs from the content area.

Endorsement Requirements, 57 credit hours

Content Requirements, 30 credit hours

SPA 210 Intermediate Spanish I 3
SPA 220 Intermediate Spanish II 3
SPA 305 Advanced Grammar and Composition 3

Select one of the following civilization or culture courses 3
SPA 301 Spanish Civilization (3)
SPA 302 Spanish-American Civilization (3)
SPA 303 Hispanics in the United States (3)

Select one of the following literature courses 3
SPA 316 Introduction to Hispanic Literature (3)
SPA 317 Spanish Literature (3)
SPA 333 Survey of Spanish American Literature (3)

Select one of the following Special Topics in Literature courses 3
SPA 335 Special Topics in Spanish Literature (3)
SPA 337 Special Topics in Spanish American Literature (3)

Electives, at least 9 credit hours in SPA..... 12
CNA 467 Intercultural Communication (3)
ENG 270 Critical Approaches to Literature (3)
ENG 384 World Literature (3) (by advisement)
GEO 370 Geography of Latin America (3)
HIS 423 History of Spain, 1469-Present (3)
SPA 301 Spanish Civilization (3)
SPA 302 Spanish-American Civilization (3)
SPA 303 Hispanics in the United States (3)
SPA 304 Spanish for Business (3)

SPA 305 Advanced Grammar and Composition (3)
SPA 306 Spanish for Health Professionals (3)
SPA 307 Conversation and Composition (3)
SPA 315 Spanish Translation (3)
SPA 316 Introduction to Hispanic Literature (3)
SPA 317 Spanish Literature (3)
SPA 333 Survey of Spanish American Literature (3)
SPA 335 Special Topics in Spanish Literature (3)
SPA 337 Special Topics in Spanish American Literature (3)
SPA 340 Special Topics (2-3)

Professional Education Requirements, 27 credit hours

EDU 150 Introduction to Professional Education 3
EDU 245 Preparing for Level 2: Teacher Candidacy 0
EDU 250 Human Development and Cognition 3
EDU 275 PK-12 Instructional Design 3
EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 409 Content Area Methods and Assessment (Foreign Language) 3
EDU 414 Content Area Practicum Experience 1
EDU 445 Preparing for Level 3: Clinical Practice 0
EDU 456 Clinical Practice and Seminar for the Secondary School 6
SPD 302 Inclusion and Co-Teaching in General Education 3
SPD 436 Classroom Management through Social Emotional Learning 7-12 3

Minors, Supplemental Endorsements and Certificates

Certificates

Intercultural Workplace Communication

Minors

Animation for Film and Television
Art
Art: Advanced Studio
Art History
Biology
Business Administration
Chemistry
Coaching
Communication Studies
Computer Information Systems
Computer Science
Construction
Creative Writing
Criminal Justice
Digital Film Production
Drafting
Earth Science
Economics
Editing and Publishing
Electronic Media
Emergency Management
English
Environmental Studies
Exercise Science
Family Life Studies
Foods and Nutrition
Geography
Geospatial Technology
Graphic Design
History
Human Services
Injury Science
Interdisciplinary Studies
International Studies
Journalism
Management Information Systems
Manufacturing Management
Mapping
Mathematics
Merchandising and Design

Music
Online and Social Media
Philosophy
Photography
Physics
Political Science
Pre-Law
Promotion and Media
Psychology
Public Administration
Public and Global Health
Safety Management
Social Sciences
Sociology
Spanish
Sport Management
Theatre
Travel and Tourism
Web and Mobile App Design and Development

Supplemental Endorsements

Coaching Education (7-12)
Early Childhood Education (PK-3)
English as a Second Language Education (PK-12)
Health Sciences Education (6-12)
Information Technology Education (PK-12)
Journalism and Media Education (7-12)
Reading and Writing Education (PK-6)
Reading and Writing Education (7-12)
Skilled and Technical Sciences Education/Skilled Specific (9-12)
Speech Education (7-12)
Theatre Education (7-12)
Work-Based Learning Education (9-12)

Animation for Film and Television

Communications Arts Department
School of Arts and Humanities
Minor

Students develop career-oriented skills, including basic animation principles, the production pipeline, character and background design, storyboarding, and modeling. Students work in 2D and 3D animation, stop motion, visual effects, and video editing. Other skills such as camera direction, pre- and post-production planning, time management and computer literacy are covered.

Requirements, 20 credit hours

ART 204 Digital Imaging for Graphic Design 2
ART 230 Graphic Design I 3
CNA 450 Media Design Applications 3
CNA 479 Animation and Motion Graphics Applications 3

Electives 9
ART 110 Drawing I (3)
ART 111 Drawing II (3)
ART 335 Advanced Typography and Animation (3)
CNA S220/320/420 Sports Media Workshop (1-3)
CNA 274 Video and Film Production I (3)
CNA 472 Sound Design (3)
CNA 473 Video and Film Production II (3)

Art

Art and Design Department
School of Arts and Humanities
Minor

Requirements, 18 credit hours

Select one of the following 3
ART 101 Design (3)
ART 110 Drawing I (3)

Select one of the following 3
ART 244 Art History Survey I (3)
ART 245 Art History Survey II (3)

Select two of the following 6
ART 221 Painting I (3)
ART 251 Pottery and Ceramics I (3)
ART 271 Sculpture I (3)
ART 281 Printmaking I (3)

Upper-level ART electives 6

Art: Advanced Studio

Art and Design Department
School of Arts and Humanities
Minor

Requirements, 18 credit hours

ART 251 Pottery and Ceramics I 3
ART 321 Painting II 3
ART 371 Sculpture II 3
ART 381 Printmaking II 3

Select two of the following 6
ART 351 Pottery and Ceramics II (3)
ART 421 Advanced Problems in Painting (3)
ART 451 Advanced Problems in Pottery and Ceramics (3)
ART 471 Advanced Problems in Sculpture (3)
ART 481 Advanced Problems in Printmaking (3)

Art History

Art and Design Department
School of Arts and Humanities
Minor

Requirements, 18 credit hours

ART 244 Art History Survey I 3
ART 245 Art History Survey II 3

Select four of the following..... 12
ART 302 Ancient Art History (3)
ART 303 Italian Renaissance Art History (3)
ART 304 American Art History (3)
ART 305 Modern Art (3)
ART 306 Contemporary Art (3)
ART 307 Special Topics in Art History (3)

Biology

Life Sciences Department
School of Science, Health, and Criminal Justice
Minor

A biology minor is an appropriate complement to other science majors, including pre-professional programs. Subjects like zoology, genetics, microbiology, and anatomy provide fundamental knowledge that can be applied to a variety of careers in health, science, agriculture, and engineering.

Requirements, 20 credit hours

BIO 110 Biology Concepts..... 4
BIO Electives..... 4
Upper-level BIO Electives..... 12

Business Administration

Business and Economics Department
School of Business and Technology
Minor

The minor in Business Administration provides a background in essential areas of business. The minor is not available for Business Administration majors.

Requirements, 21 credit hours

BUS 142 Survey of Accounting 3
BUS 226 Business Statistics 3
BUS 260 Management Theory and Practice 3
BUS 270 Principles of Marketing 3
BUS 322 Managerial Finance 3
BUS 418 Legal Environment of Business 3
ECO 203 Principles of Microeconomics 3

Chemistry

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Minor

A chemistry minor can help you master other scientific disciplines and support your studies in biology, physics, geology, engineering, medicine, and other pre-professional health fields. You'll develop a broad understanding of chemical sciences and experimental techniques, enhancing your ability to solve problems and think creatively. A minor in chemistry will help you build analytical skills that are useful in many professional fields.

Requirements, 21 credit hours

CHE 106 General Chemistry I 4
CHE 107 General Chemistry II 4
CHE 305 Analytical Chemistry 4

CHE electives by advisement 9

Coaching

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Minor

Requirements, 18 credit hours

PED 105 Anatomy and Physiology I 3
PED 275 Prevention and Care of Athletic Injuries 3

Select one of the following 3
PED 304 Sport Physiology (3)
PED 305 Exercise Physiology (3)

Select three of the following..... 9
PED 311 Theory and Fundamentals of Football Coaching (3)
PED 312 Theory and Fundamentals of Basketball Coaching (3)
PED 313 Theory and Fundamentals of Track Coaching (3)
PED 314 Theory and Fundamentals of Wrestling Coaching (3)
PED 315 Theory and Fundamentals of Baseball Coaching (3)
PED 316 Theory and Fundamentals of Softball Coaching (3)
PED 317 Theory and Fundamentals of Volleyball Coaching (3)
PED 318 Theory and Fundamentals of Soccer Coaching (3)
PED 357 Principles of Strength and Conditioning (3)
PSY 444 Topics in Psychology: Sport Psychology (3)

Coaching Education (7-12)

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Supplemental Endorsement

Available in addition to a field endorsement or two subject endorsements.

Requirements, 18 credit hours

PED 105 Anatomy and Physiology I 3
PED 275 Prevention and Care of Athletic Injuries..... 3

Select one of the following 3
PED 304 Sport Physiology (3)
PED 305 Exercise Physiology (3)

Select three of the following..... 9
PED 311 Theory and Fundamentals of Football Coaching (3)
PED 312 Theory and Fundamentals of Basketball Coaching (3)
PED 313 Theory and Fundamentals of Track Coaching (3)
PED 314 Theory and Fundamentals of Wrestling Coaching (3)
PED 315 Theory and Fundamentals of Baseball Coaching (3)
PED 316 Theory and Fundamentals of Softball Coaching (3)
PED 317 Theory and Fundamentals of Volleyball Coaching (3)
PED 318 Theory and Fundamentals of Soccer Coaching (3)
PED 357 Principles of Strength and Conditioning (3)
PSY 444 Topics in Psychology: Sport Psychology (3)

Communication Studies

Communication Arts Department
School of Arts and Humanities
Minor

Students further develop their communication skills in interpersonal, organizational, health, intercultural and family communication. Students gain expertise in public speaking, argumentation and communication ethics.

Requirements, 21 credit hours

Select seven of the following 21
CNA 201 Small Group Communication (3)
CNA 210 Interpersonal Communication (3)
CNA 252 Public Address (3)
CNA 302 Language and Human Behavior (3)
CNA 317 Argumentation (3)
CNA 346 Organizational Communication I (3)
CNA 352 Organizational Presentations (3)
CNA 418 Health Communication (3)
CNA 442 Communication and Rhetorical Theory (3)
CNA 467 Intercultural Communication (3)
CNA 470 Family Communication (3)
CNA 471 Mass Media and Society (3)
CNA 478 Communication Ethics (3)

Computer Information Systems

Computer Technology and Information Systems Department
School of Business and Technology
Minor

The Minor in Computer Information Systems provides the student with appropriate courses to gain breadth of knowledge in key areas of the field that is likely to be valuable to the student's career and will supplement the student's other academic preparation.

Requirements, 21 credit hours

If CIS 132 is required for the student's major, CIS 130 may be substituted.

BUS 260 Management Theory and Practice 3
CIS 132 Principles of Computing and Information Systems 3
CIS 366 Introduction to Database 3
CIS 372 Computer Hardware and Operating Systems 3

Select three of the following 9
CIS 352 Introduction to Enterprise Computing (3)
CIS 360 Computer Information Systems: Analysis and Design (3)
CIS 375 Introduction to E-Commerce (3)
CIS 430 Management Information Systems (3)
CIS 477 Project Management (3)
CSC 150 Programming Fundamentals I (3)
CSC 165 Introduction to Web Development (3)
CSC 380 Operating Systems (3)

Computer Science

Computer Technology and Information Systems Department
School of Business and Technology
Minor

The Minor in Computer Science provides the essential introductory and selected intermediate-level courses to permit the student to become conversant in the field, to acquire knowledge that is central to the field, and to develop some essential skills. This minor provides perspective that offers value to the student who is majoring in other fields.

Requirements, 21 credit hours

If CIS 132 is required for the student's major, CIS 130 may be substituted.

CIS 132 Principles of Computing and Information Systems 3
CSC 150 Programming Fundamentals I 3
CSC 160 Programming Fundamentals II 3
CSC 310 Data Structures 3
CSC 320 Computer Organization 3

Upper-level electives by advisement 6

Construction

Technology and Applied Sciences Department
School of Business and Technology
Minor

The Construction minor is intended to familiarize students in related fields (such as architecture, business, or planning) with the skills necessary to evaluate construction methods, theories, and practices, such as scheduling, estimating, and project controls.

Requirements, 21 credit hours

ITE 202 Construction Systems 3
ITE 214 Residential Drawing 3
ITE 304 Surveying and Print Reading 3
ITE 308 Construction Technology 3

ITE 390 Project Bidding and Estimating 3
ITE 428 Construction Project Management 3

Select one of the following 3
BUS 471 Principles of Supervision (3)
ITE 367 Building Climate, Energy Control and Sustainability (3)
ITE 438 Commercial Construction (3)

Creative Writing

Language and Literature Department
School of Arts and Humanities
Minor

The Creative Writing Minor allows students to develop the craft of poetry, short fiction, creative nonfiction, and playwriting/screenwriting. The minor is a strong preparation for those seeking to pursue advanced degrees in writing and those pursuing careers in writing and the creative industries.

Requirements, 21 credit hours

Select three of the following 9
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)
ENG 205 Play Writing/Screen Writing (3)

Select one of the following 3
ENG 361 American Literature I (3)
ENG 362 American Literature II (3)
ENG 365 Modern American Fiction (3)
ENG 371 British Literature I (3)
ENG 372 British Literature II (3)
ENG 378 Topics in Modern British Fiction (3)
ENG 380 Shakespeare (3)
ENG 381 Classical Mythology (3)
ENG 382 The Bible as Literature (3)
ENG 383 Film and Literature (3)
ENG 384 World Literature (3)

ENG 402 Advanced Poetry Workshop 3
ENG 403 Advanced Fiction Workshop 3
ENG 404 Advanced Creative Nonfiction Workshop 3

Criminal Justice

Criminal Justice Department
School of Science, Health, and Criminal Justice
Minor

The Criminal Justice Minor is designed to enhance student knowledge in the key areas of law enforcement, courts, corrections, and juvenile justice. This minor is a suitable addition to any major wherein additional knowledge about the criminal justice system is desired. Not available for Criminal Justice majors.

Requirements, 21 credit hours

CJA 105 Introduction to Criminal Justice 3
CJA 210 Juvenile Delinquency 3

Select one of the following 3
CJA 203 Police and Society (3)
CJA 226 Criminal Investigation (3)

Select one of the following 3
CJA 320 Correctional Institutions (3)
CJA 325 Community-Based Corrections (3)

Upper-level CJA electives by advisement 9

Digital Film Production

Communications Arts Department
School of Arts and Humanities
Minor

The Digital Film Production minor provides students with a background for the diverse elements that make up digital film production, including theatre-type skills, including acting, lighting, make-up, and costume, as well as video-type skills such as production planning, videography, and sound design. This minor provides this combination of practical skills, giving students who complete the minor a broad resume experience.

Requirements, 21 credit hours

CNA 457 may be repeated.

General Studies Requirement
CNA 101 Introduction to Theatre for CAT 4.

Content Requirements
CNA 223 Acting 3
CNA 284 Film Criticism 3
CNA 379 Media Management 3

Select one of the following 3
CNA 274 Video and Film Production I (3)
CNA 473 Video and Film Production II (3)

Select one of the following 3
CNA 318 Directing (3)
CNA 387 Lighting (3)

Electives 6
CNA (B, F, R, T) 120/220/320/420/520 Mass Communications Arts Workshops (0-3)
CNA 162 Audio Production (3)
CNA 205 Play Writing/Screen Writing (3)
CNA 232 Stagecraft (3)
CNA 263 Introduction to Mass Communication (3)
CNA 301 Advertising Copywriting (3)
CNA 337 Costumes and Make Up for the Stage and Screen (3)
CNA 378 Performance for the Screen (3)
CNA 387 Lighting (3)
CNA 419 Advanced Directing (3)
CNA 450 Media Design Applications (3)
CNA 453 Integrated Brand Promotion (3)
CNA 457 Special Topics in Communication (3)
CNA 471 Mass Media and Society (3)
Other courses by advisement

Drafting

Technology and Applied Sciences Department
School of Business and Technology
Minor

A drafting minor can provide students with technical drawing, computer, and design skills required to be competitive in today's job market. Students will study mechanical and architectural drafting and learn to use computer-aided design (CAD) and modeling software. As the demand for this area continues to grow, the skills that students will learn with a drafting minor can be applied across a variety of careers.

Requirements, 21 credit hours

ITE 214 Residential Drawing 3
ITE 219 Mechanical and Engineering Drafting 3
ITE 309 Parametric Modeling and Industrial Design 3
ITE 314 Architectural Design 3
ITE 404 Commercial and Structural Design 3
ITE 412 Industrial Prototypes and Manufacturing Design 3

Select one of the following 3
ITE 304 Surveying and Print Reading (3)
ITE 390 Project Bidding and Estimating (3)
ITE 438 Commercial Construction (3)

Early Childhood Education (PK-3)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Supplemental Endorsement

This endorsement is designed to provide additional expertise in educating children in prekindergarten through 3rd grade.

Requirements, 18 credit hours

Students must hold or earn concurrently the Elementary K-8 Field Endorsement.

EDU 303 Developmentally Appropriate Practices for the Young Child 3
FCS 120 Introduction to Early Childhood Education 2
FCS 220 Infants and Toddlers 3
FCS 335 The Pre-School Age Child 3
FCS 412 Guiding the Young Child 3
FCS 430 Organization and Administration of Early Childhood Education Programs 3
SPD 260 Characteristics: Birth through Age 8 1

Earth Science

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Minor

Requirements, 21 credit hours

EAS 110 Introduction to Meteorology 4
EAS 120 Introduction to Geology 4
EAS 302 Astronomy 4
EAS 320 Rocks and Minerals 3

Upper-level EAS electives 6
These electives may be selected by advisement from EAS, GEO, BIO, CHE or PHY.

Economics

Business and Economics Department
School of Business and Technology
Minor

The minor in Economic provides content in how households, businesses, and governments interact in individual markets, the national economy, and across the globe.

Requirements, 21 credit hours

ECO 202 Principles of Macroeconomics 3
ECO 203 Principles of Microeconomics 3
ECO 305 Economics for Managers 3
ECO 310 Money and Banking 3

Select one of the following 3
BUS 226 Business Statistics (3)
SSC 319 Statistics for the Social Sciences (3)

Upper-level ECO electives 6

Editing and Publishing

Language and Literature Department
School of Arts and Humanities
Minor

The Editing and Publishing Minor provides practical experience in digital and print production of newspapers, magazines, books, e-books, and other types of publications. The skills learned in this minor complement other majors and minors, as they can be used throughout all organizations that produce digital or print publications.

Requirements, 21 credit hours

Complete at least 50% of upper-level credit hours. Only one internship, CNA 497 or ENG 497, can count toward requirements.

CNA 290 Editing and Copy Editing 3
CNA 453 Integrated Brand Promotion 3
ENG 221 Editing for Publication 3
ENG 321 Production and Design for Publication 3
ENG 421 Advanced Publishing 3

Electives 6
CNA 262 Writing for the Mass Media (3)
CNA 280 News Writing (3)
CNA 379 Media Management (3)
CNA 426 Public Relations through Social Media (3)

CNA 458 Advanced News Writing and Reporting (3)
ENG 200 Expository Writing (3)
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)
ENG 206 Workplace Writing (3)
ENG 402 Advanced Poetry Workshop (3)
ENG 403 Advanced Fiction Workshop (3)
ENG 404 Advanced Creative Nonfiction Workshop (3)
CNA 497 Internship (3)
ENG 497 Internship (3)

Electronic Media

Communications Arts Department
School of Arts and Humanities
Minor

This includes applied theory and skills in advertising, live media production, electronic journalism, as well as studio sound and video production. Students learn multimedia production skills in a variety of student-run productions, including KWSC-TV, KWSC-FM, *The Wayne Stater* and Hot Attic Productions.

Requirements, 21 credit hours

Select one of the following 3
CNA 102 Media Literacy (3)
CNA 263 Introduction to Mass Communication (3)

CNA 162 Audio Production 3
CNA (B, R) 220/320/420 Mass Communication Arts Workshops 3
CNA 274 Video and Film Production I 3
CNA 280 News Writing 3
CNA 390 Multiplatform Journalism 3
CNA 471 Mass Media and Society 3

Emergency Management

Criminal Justice Department
School of Science, Health, and Criminal Justice
Minor

The Emergency Management minor utilizes a multidisciplinary approach to expose students to an array of courses within this academic field of study. Students, through the Emergency Management curriculum, will be exposed to disaster management components like prevention, preparedness, mitigation, response, and recovery.

Requirements, 18 credit hours

CJA 360 Homeland Security and Terrorism 3

CJA 460 Emergency Management 3
GEO 410 Hazards and Disasters 3

Select one of the following 3
GEO 430 Geographic Information Systems (3)
GEO 435 Computer Mapping (3)
GEO 440 Remote Sensing (3)

Select two of the following 6
ITE 408 Hazardous Materials (3)
POS 402 State and Local Politics (3)
POS 430 Public Policy (3)
POS 445 Public Administration and Management (3)
PSY 406 Death and Dying (3)

English

Language and Literature Department
School of Arts and Humanities
Minor

Through courses in the English minor, students learn to use language as a form of artistic expression and effective communication. Students will develop their analytical skills and learn how to write with clarity and precision. Students will be prepared for careers deeply rooted in language and rhetoric—careers such as law, public relations, speechwriting, publishing, reporting, theatre, and teaching.

Requirements, 21 credit hours

Complete at least 50% of upper-level credit hours.

Select three of the following..... 3
ENG 200 Expository Writing (3)
ENG 202 Poetry Workshop (3)
ENG 203 Fiction Workshop (3)
ENG 204 Creative Nonfiction Workshop (3)
ENG 206 Workplace Writing (3)
ENG 402 Advanced Poetry Workshop (3)
ENG 403 Advanced Fiction Workshop (3)
ENG 404 Advanced Creative Nonfiction Workshop (3)

Select three of the following..... 9
ENG 150 Topics in Literature (3)
ENG 270 Critical Approaches to Literature (3)
ENG 361 American Literature I (3)
ENG 362 American Literature II (3)
ENG 371 British Literature I (3)
ENG 372 British Literature II (3)
ENG 380 Shakespeare (3)

ENG 381 Classical Mythology (3)
ENG 382 The Bible as Literature (3)
ENG 383 Film and Literature (3)
ENG 384 World Literature (3)

ENG electives other than ENG 102 9

English as a Second Language Education (PK-12)

Language and Literature Department
School of Arts and Humanities
Supplemental Endorsement

Persons with this supplemental endorsement may teach English as a Second Language in grades PK-12. Available in addition to a field endorsement or two subject endorsements.

Requirements, 15 credit hours

Select one of the following 3
CNA 302 Language and Human Behavior (3)
CNA 467 Intercultural Communication (3)

EDU 415 ESL Programs, Curriculum, and Assessment 3
EDU 416 ESL Methods and Assessment 3
EDU 417 English as a Second Language Practicum PK-12 3
ENG 426 Linguistic Theory and Applications 3

Environmental Studies

Life Sciences Department
School of Science, Health, and Criminal Justice
Minor

With an environmental studies minor, students develop an understanding of current environmental issues as they intersect the fields of science, politics, and culture. Subjects studied can augment a variety of programs in the sciences, social sciences, political science, geography, journalism, and public affairs.

Requirements, 20 credit hours

BIO 145 Environmental Studies Seminar 1
BIO 345 Conservation Biology 3
GEO 430 Geographic Information Systems 3
POS 430 Public Policy 3
SOC 420 Environmental Sociology 3

Electives 7
BIO 104 Environmental Concerns for General Studies (3)
BIO 325 Ecology (4)
BUS 418 Legal Environment of Business (3)
CHE 400 Environmental Chemistry (3)
EAS 120 Introduction to Geology (4)
EAS 340 Environmental Geology (3)
EAS 360 Global Climate Change (3)
GEO 315 World Economic Geography (3)
PSY 316 Social Psychology (3)
SOC 355 Health and Populations (3)

Exercise Science

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Minor

This minor is intended to give students in pre-professional, education, or sport management majors additional specialization in exercise science.

Requirements, 18-19 credit hours

A grade of "B" or better must be earned in PED 470 and a cumulative GPA of 2.5 or better is a prerequisite for PED 400, 471, 472, and 473. First Aid and CPR are required for students taking PED 472 and 473.

Select one pair from the following 6-8
PED 105 Anatomy and Physiology I (3) and PED 205 Anatomy and Physiology II (3)
BIO 220 Human Anatomy (4) and BIO 340 Human Physiology (4)

PED 305 Exercise Physiology 3
PED 351 Biomechanics 3
PED 470 Fitness Evaluation and Assessment 3

Select one of the following 3
FCS 407 Nutritional Counseling and Assessment (3)
PED 130 Introduction to Exercise and Allied Health Professions (3)
PED 207 Athletic Performance and Nutrition (3)
PED 275 Prevention and Care of Athletic Injuries (3)
PED 357 Principles of Strength and Conditioning (3)
PED 400 Exercise and Clinical Populations (3)
PED 471 Tests and Measurements (3)
PED 472 Advanced Fitness Assessment, Exercise Prescription, and Applied Research (3)
PED 473 Applications of Physical Fitness and Program Design (3)

Family Life Studies

Technology and Applied Sciences Department
School of Business and Technology
Minor

A minor in Family Life Studies can be designed to support a student's career goals by selecting from the variety of classes offered in the areas of study within Family and Consumer Sciences.

Requirements, 21 credit hours

Complete at least 50% of upper-level credit hours.

FCS 110 Family and Personal Relationships 3
FCS 306 Family Resource Management 3

FCS electives by advisement 15

Foods and Nutrition

Technology and Applied Sciences Department
School of Business and Technology
Minor

A minor in Foods and Nutrition provides knowledge and skills in nutrition and food preparation to support careers related to health and wellness.

Requirements, 21 credit hours

Complete at least 50% of upper-level credit hours.

FCS 207 Nutrition 3
FCS 317 Nutrition Through the Life Cycle 3

Select one of the following 3
FCS 104 Principles of Food Preparation (3)
FCS 107 Principles of Baking (3)

Select four of the following 12
FCS 205 Meal Management (3)
FCS 308 Household Technology (3)
FCS 322 International Foods and Cultures (3)
FCS 340 Community Nutrition (3)
FCS 407 Nutritional Counseling and Assessment (3)
FCS 416 Family and Consumer Sciences Practicum (3)
PED 207 Athletic Performance and Nutrition (3)

Geography

History, Politics, and Geography Department
School of Arts and Humanities
Minor

The minor in Geography focuses on the study of the natural and human systems of the earth as well as the interconnectedness of its physical, political, economic, and cultural development.

Requirements, 21 credit hours

GEO 120 World Regional Geography 3
GEO 130 Physical Geography 3
GEO 315 World Economic Geography 3

GEO or EAS electives 12

Geospatial Technology

History, Politics, and Geography Department
School of Arts and Humanities
Minor

The minor in Geospatial Technology provides students with hands-on experience using geographic information systems, computer mapping programs, and global positioning systems to collect, map, and analyze data to solve problems.

Requirements, 21 credit hours

CSC 150 Programming Fundamentals I 3

Select one of the following 3
GEO 120 World Regional Geography (3)
GEO 130 Physical Geography (3)

Select three of the following 9
GEO 425 Urban Geographic Information Systems (3)
GEO 430 Geographic Information Systems (3)
GEO 435 Computer Mapping (3)
GEO 440 Remote Sensing (3)

Select two of the following 6
CIS 366 Introduction to Database (3)
CSC 160 Programming Fundamentals II (3)
CSC 365 Scripting Languages (3)
GEO 425 Urban Geographic Information Systems (3)
GEO 430 Geographic Information Systems (3)
GEO 435 Computer Mapping (3)
GEO 440 Remote Sensing (3)

GEO 497 Geography Internship (3)
SSC 300 Social Sciences Research Methods (3)
SSC 319 Statistics for the Social Sciences (3)

Graphic Design

Art and Design Department
School of Arts and Humanities
Minor

Requirements, 20 credit hours

ART 204 Digital Imaging for Graphic Design 2
ART 230 Graphic Design I 3
ART 231 Graphic Design II 3
ART 335 Advanced Typography and Animation 3
ART 403 App Design and Prototyping 3
ART 405 Web Design for the Graphic Designer 3
ART 410 Interaction Design 3

Health Sciences Education (6-12)

Technology and Applied Sciences Department
School of Business and Technology
Supplemental Endorsement

Requirements, 15-16 credit hours

This endorsement requires an applicant to hold, or earn concurrently, a subject or field endorsement in: Science, Biology, Health and Physical Education, Physical Education, Health Education, Agriculture Education, or Family and Consumer Sciences Occupational.

Work Experience

This endorsement is available only to those persons who have either (A) 1,000 verified hours of paid work-based experience relevant to the career field of (B) at least 300 hours of supervised work experience relevant to the career field under the direction of the college or university recommending the endorsement.

Content Requirements, 15-16 credit hours

CED 423 Coordinating Techniques 3
FCS 416 Family and Consumer Sciences Practicum 3
EDU 409 Content Area Methods and Assessment 3

Select one of the following 3-4
PED 105 Anatomy and Physiology I (3)
BIO 220 Human Anatomy (4)
BIO 340 Human Physiology (4)

Select one of the following 3
FCS 340 Community Nutrition (3)
PED 130 Introduction to Exercise and Allied Health Professions (3)
PED 305 Exercise Physiology (3)
PED 351 Biomechanics (3)
PGH 200 Introduction to Personal, Public and Global Health (3)
NAT 421 Scientific Communications (3)

History

History, Politics, and Geography Department
School of Arts and Humanities
Minor

This program of study is designed to help the student understand something of human nature through an understanding of the past.

Requirements, 21 credit hours

No course with a grade below "C" will be accepted.

HIS electives 9
Upper-level HIS electives 12

Human Services

Counseling Department
School of Education and Behavioral Sciences
Minor

Students seeking a minor in Human Services are held to the same admission steps as those seeking a major as listed. The Human Services Minor allows students from other concentrations to add skills which are helpful in working with individuals. These skills are the same as those listed in the program outcomes for the major.

Requirements, 21 credit hours

Complete at least 50% of upper-level credit hours.

HUS 202 Introduction to Human Services 3
HUS 324 Fundamentals of Human Services..... 3
HUS 342 Interviewing Skills..... 3
HUS 470 Planning, Administration, and Evaluation of Human Services Programs..... 3

Select three of the following..... 9
HUS 218 Personal Growth (3)
HUS 403 Group Strategies (3)
HUS 440 Substance-Related and Addictive Disorder Foundations (3)
PSY 230 Life Span Development (3)

PSY 316 Social Psychology (3)
PSY 450 Abnormal Psychology (3)
SOC 220 Social Problems (3)
SOC 320 Social Welfare (3)
SOC 415 The Family (3)

Information Technology Education (PK-12)

Computer Technology and Information Systems Department
School of Business and Technology
Supplemental Endorsement

This supplemental endorsement provides the opportunity for an educator who wishes to teach information technology courses or serve as the technology coordinator for their school to receive preparation and earn a recognized credential. Persons holding this endorsement may teach information technology courses in grades PK-12. Available in addition to a field endorsement or two subject endorsements.

Requirements, 15 credit hours

CIS 454 Technology Platforms: Hardware and Operating Systems 3
CIS 457 Networking and Technology Management 3
CIS 475 Topics in CIS: Emerging Information Technology 3
CSC 442 Programming, Design and Documentation 3
CSC 448 Web and Multimedia Content Design and Administration 3

Injury Science

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Minor

This minor is designed to introduce students in pre-professional programs such as Physical Therapy, Occupational Therapy, Chiropractic Medicine, Nursing, Physician Assistant, and Pre-Medicine to the area of orthopedic injuries, injury evaluation processes, common treatments, and prevention strategies. Students pursuing careers related to health and human performance may also benefit by learning more about the orthopedic injuries their clients may experience.

Requirements, 18-19 credit hours

Select one of the following 3-4
BIO 220 Human Anatomy (4)
PED 105 Anatomy and Physiology I (3)

PED 275 Prevention and Care of Athletic Injuries 3
PED 351 Biomechanics 3
PED 456 Lower Extremity Evaluation 3
PED 457 Upper Extremity Evaluation 3
PED 458 Rehabilitation of Musculoskeletal Injuries 3

Intercultural Workplace Communication

Communication Arts Department
School of Arts and Humanities
Certificate

Requirements, 15 credit hours

CNA 210 Interpersonal Communication 3
CNA 302 Language and Human Behavior 3
CNA 346 Organizational Communication I 3
CNA 467 Intercultural Communication 3
CNA 470 Family Communication 3

Interdisciplinary Studies

Minor

Requirements, 18 credit hours

The minor should be requested prior to completion of 80 hours.

Electives 18
The courses must be an organized sequence with a primary emphasis in one department and supporting work in at least one other department.

International Studies

Language and Literature Department
History, Politics, and Geography Department
School of Arts and Humanities
Minor

This program of study, along with a major, is designed to prepare students interested in graduate study/careers associated with transnational or intergovernmental institutions, foreign affairs, international business, and international relations.

Requirements, 21 credit hours

Complete at least 50% of upper-level credit hours.

Elective hours earned from an advisor-approved study abroad program 6

Select three of the following 15
ART 440 Multicultural Arts (3)
BUS 262 International Business (3)
CNA 467 Intercultural Communication (3)
ECO 430 International Economics (3)
ENG 384 World Literature (3)
ENG 386 Modern World Drama (3)
FCS 322 International Foods and Cultures (3)
GEO 120 World Regional Geography (3)
GEO 300 Human Geography (3)
GEO 305 Political Geography (3)
GEO 315 World Economics Geography (3)
HIS 170 World Civilizations I (3)
HIS 171 World Civilizations II (3)
PGH 200 Introduction to Personal, Public and Global Health (3)
PHI 335 Comparative Religion (3)
POS 110 Introduction to World Politics (3)
POS 365 Comparative Government and Politics (3)
SOC 110 Introduction to Anthropology (3)
SPA 210 Intermediate Spanish I (3)
SPA 220 Intermediate Spanish II (3)

Journalism

Communications Arts Department
School of Arts and Humanities
Minor

This minor is essential for those who may be involved in news production but are focusing on another related major.

Requirements, 21 credit hours

CNA J220/320/420 Journalism Workshop 3
CNA 263 Introduction to Mass Communication 3
CNA 280 News Writing 3
CNA 290 Editing and Copy Editing 3
CNA 390 Multiplatform Journalism 3
CNA 458 Advanced News Writing and Reporting 3
CNA 471 Mass Media and Society 3

Journalism and Media Education (7-12)

Communication Arts Department
School of Arts and Humanities
Supplemental Endorsement

Available in addition to a field endorsement or two subject endorsements.

Requirements, 18 credit hours

CNA 162 Audio Production 3
CNA B220 Broadcast TV Workshop 1
CNA J220 Journalism Workshop 1
CNA R220 Audio/Radio Workshop 1
CNA 263 Introduction to Mass Communication 3
CNA 274 Video and Film Production I 3
CNA 280 News Writing 3

Select one of the following 3
CNA 426 Public Relations through Social Media (3)
CNA 471 Mass Media and Society (3)

Management Information Systems

Business and Economics Department
Computer Technology and Information Systems Department
School of Business and Technology
Minor

This minor provides content on computer-based information systems and how they are utilized in an organization.

Requirements, 21 credit hours

If CIS 132 is required for the student's major, CIS 130 may be substituted.

BUS 260 Management Theory and Practice 3
CIS 132 Principles of Computing and Information Systems 3
CIS 360 Computer Information System: Analysis and Design 3
CIS 366 Introduction to Database 3
CIS 375 Introduction to E-Commerce 3
CIS 430 Management Information Systems 3
CSC 165 Introduction to Web Development 3

Manufacturing Management

Technology and Applied Sciences Department
School of Business and Technology
Minor

For companies to grow and prosper, skilled workers are needed to design, develop, and manage manufacturing systems and technologies. Primary topics covered in the manufacturing management minor are traditional manufacturing methods, robotics, electronics, and CNC (Computer Numeric Control) machinery. Problem solving, business concepts and workplace safety are secondary topics taught throughout the manufacturing management minor.

Requirements, 21 credit hours

ITE 205 Introduction to Manufacturing Technology 3
ITE 220 Introduction to Manufacturing Operations 3
ITE 306 Industrial Safety 3
ITE 403 Electronics and Control Systems 3
ITE 421 Computer Integrated Manufacturing and Robotics 3

Select two of the following 6
CIS 477 Project Management (3)
ITE 322 Fundamentals of CNC Machining (3)
ITE 422 Advanced CIM and Robotics (3)

Mapping

History, Politics, and Geography Department
Technology and Applied Sciences Department
School of Arts and Humanities
School of Business and Technology
Minor

The minor in Mapping prepares students from many different majors for opportunities in growing fields that utilize geographic information systems (GIS) and that involve gathering, storing, processing, and delivering spatially referenced information about the Earth's surface.

Requirements, 21 credit hours

GEO 320 Urban Geography 3
GEO 435 Computer Mapping 3
ITE 214 Residential Drawing 3
ITE 219 Mechanical and Engineering Drafting 3

Select one of the following 3
ITE 304 Surveying and Print Reading (3)
ITE 314 Architectural Design (3)

Select one of the following 3
GEO 425 Urban Geographic Information Systems (3)
GEO 430 Geographic Information Systems (3)

Select one of the following 3
ENG 200 Expository Writing (3)
ENG 206 Workplace Writing (3)
GEO 425 Urban Geographic Information Systems (3)
GEO 430 Geographic Information Systems (3)
GEO 440 Remote Sensing (3)
GEO 497 Internship (3)
ITE 304 Surveying and Print Reading (3)
ITE 314 Architectural Design (3)
ITE 404 Commercial and Structural Design (3)
ITE 497 Internship (3)

Mathematics

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Minor

A minor in mathematics is a great opportunity for students who have an interest in mathematics. This minor is ideal for the student whose major requires some mathematics, such as Computer Science, Chemistry, Chemistry Health Sciences, and Plant Biology-Ecology and Management.

Requirements, 21 credit hours

MAT 140 Calculus I 5
MAT 240 Calculus II 5

Upper-level MAT electives 11

Merchandising and Design

Technology and Applied Sciences Department
School of Business and Technology
Minor

A minor in Merchandising and Design can support a student's career goals related to fashion merchandising and/or interior design.

Requirements, 18 credit hours

Complete at least 50% of upper-level credit hours.

FCS 302 Textiles 3
FCS 313 Techniques in Professional Presentation 3

Select four of the following 12
FCS 103 Clothing Construction (3)
FCS 106 Introduction to Fashion Industry (2)
FCS 202 Clothing Design (3)
FCS 240 Design and Interior Environments (3)
FCS 242 Techniques of Interior Design (3)
FCS 303 Fashion Retailing (3)
FCS 305 Housing Development and Design (3)
FCS 308 Household Technology (3)
FCS 312 Historic Costume (3)
FCS 318 Soft Furnishings (3)
FCS 403 Fashion Analysis (3)
FCS 408 Applied Concepts of Interior Design (3)
FCS 420 Professional Studies in Interior Design (3)

Music

Music Department
School of Arts and Humanities
Minor

The music minor provides a firm understanding of the basics of music, including performance proficiency in one primary area. Students interested in participating in music ensembles may consider adding the music minor, as ensemble participation is included in the requirements.

Requirements, 21 credit hours

In addition to requirements common to all music programs, the following information applies specifically to this minor.

MUS 101 Music Theory I 3
MUS 208 Fundamentals of Conducting 1
MUS 305 Music Technology 1

Select one of the following 3
MUS 401 History and Literature of Music I (3)
MUS 402 History and Literature of Music II (3)

Lower-level Primary Applied Lessons (one area) 4

Upper-level Primary Applied Lessons (one area) 1

Select one of the following 1
MUS 150 Class in Voice (1)
MUS 171 Class in Strings I (1)
MUS 172 Class in Strings II (1)
MUS 173 Class in Woodwinds I (1)
MUS 174 Class in Woodwinds II (1)
MUS 175 Class in Brass I (1)
MUS 176 Class in Brass II (1)
MUS 177 Class in Percussion (1)
MUS 178 Class in Guitar (1)
MUS 280 Class in Piano I (1)
MUS 281 Class in Piano II (1)

Ensemble electives 2
MUS 133 Fortis Choir (1)
MUS 140 Lyrica Treble Choir (1)
MUS 141 Choir (1)
MUS 142 Marching Band/Wind Ensemble (1)
MUS 149 Symphonic Band (0.5)
MUS 441 Choir (1)
MUS 442 Marching Band/Wind Ensemble (1)

MUS Electives (not ensembles) 5

Online and Social Media

Communications Arts Department
School of Arts and Humanities
Minor

The Online and Social Media minor prepares students to strategically gain attention/notoriety through a variety of techniques. Core skills include public relations through social media, brand promotion, and multi-platform content creation. In an increasingly connected world, social media skills are highly marketable to employers.

Requirements, 21 credit hours

Select one of the following 3
CNA 162 Audio Production (3)
CNA 274 Video and Film Production I (3)

Select one of the following 3
CNA 280 News Writing (3)
CNA 390 Multiplatform Journalism (3)

CIS 375 Introduction to E-Commerce 3
CNA 426 Public Relations through Social Media 3
CNA 453 Integrated Brand Promotion 3

Electives 6
ART 204 Digital Imaging for Graphic Design (2)
ART 230 Graphic Design I (3)
ART 335 Advanced Typography and Animation (3)
ART 405 Web Design for the Graphic Designer (3)
BUS 270 Principles of Marketing (3)
BUS 470 Marketing Management (3)
CIS 130 Introduction to Computer/Information Technology (3)
CNA 102 Media Literacy (3)
CNA 263 Introduction to Mass Communication (3)
CNA 301 Advertising Copywriting (3)
CNA 374 Public Relations (3)
CNA 389 Photojournalism (3)
CNA 458 Advanced News Writing and Reporting (3)
CNA 462 Communication Research Methods (3)
CNA 463 Advanced Media Writing (3)
CNA 465 Qualitative Research Design (3)
CNA 471 Mass Media and Society (3)
CNA 473 Video and Film Production II (3)
CNA 475 Communication Law (3)
CNA 477 Remote TV Production (3)
CSC 150 Programming Fundamentals I (3)
CSC 165 Introduction to Web Development (3)

Philosophy

Language and Literature Department
School of Arts and Humanities
Minor

The minor in Philosophy is designed to enrich students through an understanding of the views of important philosophers and to stimulate critical thinking about philosophical questions confronting human beings. A minor in philosophy will prepare the student for graduate-level work and will be of value in any vocation that prizes the tradition of liberal arts studies.

Requirements, 18 credit hours

Select two of the following 6
PHI 101 Introduction to Philosophy (3)
PHI 105 Ethics and Values (3)
PHI 110 The Power of Critical Thinking (3)

Select one of the following 3
PHI 201 The Origins of Western Philosophy (3)
PHI 202 History of Modern Philosophy (3)

Upper-level PHI electives by advisement..... 9
The student may include up to 6 hours of Social Sciences selected from HIS 310, 315, POS 315 or other courses with philosophical content.

Photography

Art and Design Department
School of Arts and Humanities
Minor

Requirements, 20 credit hours

ART 204 Digital Imaging for Graphic Design 2
ART 363 Digital Photography I 3
ART 364 Digital Photography II 3
ART 420 Advanced Problems in Digital Photography 3

Select three of the following..... 9
CNA 102 Media Literacy (3)
CNA 263 Introduction to Mass Communication (3)
CNA 274 Video and Film Production I (3)
CNA 284 Film Criticism (3)
CNA 372 Media Ethics (3)
CNA 379 Media Management (3)
CNA 389 Photojournalism (3)
CNA 426 Public Relations through Social Media (3)
MUS 409 Arts Marketing (3)

Physics

Physical Sciences and Mathematics Department
School of Science, Health, and Criminal Justice
Minor

Requirements, 21 credit hours

Select one of the following 3-4
PHY 201 General Physics I (3)
PHY 301 University Physics I (4)

Select one of the following 3-4
PHY 202 General Physics II (3)
PHY 302 University Physics II (4)

PHY 321 Physics Laboratory I 1
PHY 322 Physics Laboratory II 1

Upper-level PHY electives by advisement..... 11-13

Political Science

History, Politics, and Geography Department
School of Arts and Humanities
Minor

This program of study is designed to introduce students to the comprehensive study of the behaviors, organizations, institutions, and philosophical foundations of political life at the individual, state, national, and international settings.

Requirements, 21 credit hours

POS 100 American National Government 3
POS 110 Introduction to World Politics 3
POS 315 Seminar in Political Theory 3

POS electives 3
Upper-level POS electives 9

Pre-Law

History, Politics, and Geography Department
School of Arts and Humanities
Minor

The Pre-Law minor is designed to enhance the preparation of students interested in attending law school while also encouraging students to choose a major they find intellectually stimulating. The Pre-Law minor is also designed to provide students with the skills necessary to successfully compete for admission to law school and to do well once enrolled.

The Pre-Law minor has three objectives:

1. To enhance student preparation in written and spoken communication.
2. To provide students with the opportunity to critically consider the institutions and values which shape our society.
3. To expose students to many of the ideas and issues related to the study of law.

Requirements, 21 credit hours

POS 100 American National Government 3
POS 420 American Constitutional Law 3

Select one of the following 3
ENG 200 Expository Writing (3)
CNA 317 Argumentation (3)
CNA 342 Persuasion (3)
PHI 310 Logic (3)

Select one of the following 3
BUS 222 Business Law I (3)
BUS 223 Business Law II (3)
CJA 200 Criminal Law (3)
CNA 475 Communication Law (3)

Select three of the following 9
CJA 360 Homeland Security and Terrorism (3)
ECO 202 Principles of Macroeconomics (3)
ECO 203 Principles of Macroeconomics (3)
GEO 305 Political Geography (3)
GEO 320 Urban Geography (3)
PHI 201 The Origins of Western Philosophy (3)
PHI 202 History of Modern Philosophy (3)
POS 315 Seminar in Political Theory (3)
POS 355 Politics of the Supreme Court (3)
POS 425 Rights and Liberties (3)
POS 430 Public Policy (3)
PSY 316 Social Psychology (3)
SOC 305 Sociology of Deviance (3)
SOC 460 Social Inequalities (3)

Promotion and Media

Communication Arts Department
School of Arts and Humanities
Minor

Almost every profession has reason to promote itself and communicate effectively with constituents. This minor is designed to partner with a wide range of majors to allow students to develop practical ability to promote their future business and organizational employers, using public relations and media skills. Under this structure, the major provides the content knowledge and this minor provides the public relations and media content development experience.

Requirements, 21 credit hours

General Studies Requirement
CNA 100 Principles of Human Communication for CAT 2.

Content Requirements
Select one of the following 3
CNA 274 Video and Film Production I (3)
CNA 374 Public Relations (3)

Select one of the following 3
CNA 280 News Writing (3)
CNA 377 Public Relations Writing (3)

CNA 342 Persuasion 3
CNA 426 Public Relations through Social Media 3

Electives 9
CNA 102 Media Literacy (3)
CNA (B, J, R, S) 120/220/320/420/520 Mass Communication Arts Workshop (0-3)
CNA 162 Audio Production (3)
CNA 262 Writing for the Mass Media (3)
CNA 263 Introduction to Mass Communication (3)
CNA 301 Advertising Copywriting (3)
CNA 346 Organizational Communication I (3)
CNA 372 Media Ethics (3)
CNA 379 Media Management (3)
CNA 389 Photojournalism (3)
CNA 390 Multiplatform Journalism (3)
CNA 392 Sports Writing (3)
CNA 418 Health Communication (3)
CNA 450 Media Design Applications (3)
CNA 452 Public Relations Case Studies (3)
CNA 453 Integrated Brand Promotion (3)
CNA 457 Special Topics in Communication (3)
CNA 463 Advanced Media Writing (3)
CNA 471 Mass Media and Society (3)
Other courses by advisement

Psychology

Psychology and Sociology Department
School of Education and Behavioral Sciences
Minor

The Psychology Minor is designed to enhance student knowledge of behavior and mental processes and supports any major and student career goal wherein such knowledge is desired.

Requirements, 21 credit hours

No more than 3 credit hours of internship will be accepted for electives.

PSY 101 General Psychology 3
PSY electives 6
Upper-level PSY electives (may include SSC 319) 12

Public Administration

History, Politics, and Geography Department
School of Arts and Humanities
Minor

The minor in public administration is intended to prepare students in the public and/or non-profit sectors. There are three key objectives:

1. To enhance student preparation in written and spoken communication.
2. To provide students with the opportunity to critically consider the policy-making and policy-implementing institutions, which shape our society.
3. To expose students' ideas related to public administration.

Requirements, 21 credit hours

POS 100 American National Government 3
POS 430 Public Policy 3
POS 445 Public Administration and Management 3

Select four of the following by advisement, with no more than three of the same prefix 12
BUS 260 Management Theory and Practice (3)
BUS 350 Managing Behavior in Organizations (3)
BUS 367 Foundations of Human Resource Management (3)
BUS 444 Governmental and Nonprofit Accounting and Auditing (3)
ECO 202 Principles of Macroeconomics (3)
ECO 203 Principles of Microeconomics (3)
GEO 320 Urban Geography (3)
GEO 325 Geography of Recreation, Tourism, and Sport (3)
GEO 430 Geographic Information Systems (3)
POS 402 State and Local Politics (3)
POS 420 American Constitutional Law (3)
POS 444 Topics in Political Science (3)
PSY 316 Social Psychology (3)
SSC 300 Social Sciences Research Methods (3)
SSC 319 Statistics for the Social Sciences (3)
SSC 419 Advanced Social Sciences Research Methods (3)

Public and Global Health

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Minor

This interdisciplinary minor provides students from diverse academic majors opportunities to integrate, apply, and synthesize interdisciplinary knowledge, skills, and aptitudes to public health issues and solutions. It may also introduce students to options for graduate study and careers in public health.

Requirements, 21 credit hours

PGH 200 Introduction to Personal, Public and Global Health 3
SSC 300 Social Sciences Research Methods 3

Select one of the following 3
MAT 180 Applied Probability and Statistics (3)
SSC 319 Statistics for the Social Sciences (3)

Electives 12
Select courses from at least two of the Public Health Domains from the list below or by advisement.

Biostatistics and Epidemiology Domain
CIS 132 Principles of Computing and Information Systems (3)
GEO 320 Urban Geography (3)
GEO 430 Geographic Information Systems (3)
MAT 140 Calculus I (5)
MAT 180 Applied Probability and Statistics (3)
MAT 240 Calculus II (5)
SSC 319 Statistics for the Social Sciences (3)

Health Policy, Systems and Administration Domain
CJA 460 Emergency Management (3)
POS 110 World Politics (3)
POS 430 Public Policy (3)
POS 445 Public Administration and Management (3)

Environmental Health Domain
BIO 145 Environmental Studies Seminar (1)
BIO 325 Ecology (4)
BIO 345 Conservation Biology (3)
CHE 400 Environmental Chemistry (3)
GEO 410 Hazards and Disasters (3)

Prevention and Promotions Domain
CNA 262 Writing for the Mass Media (3)
CNA 418 Health Communication (3)
CNA 467 Intercultural Communication (3)
FCS 115 Human Development and the Family (3)
FCS 317 Nutrition Through the Life Cycle (3)
FCS 322 International Foods and Cultures (3)
FCS 340 Community Nutrition (3)
HSC 345 CPR-Healthcare Provider (1)
HSC 443 Rural Health Issues (1-2)
HUS 202 Introduction to Human Services (3)
PED 400 Exercise and Clinical Populations (3)
PGH 391 Special Project (1-3)
PGH 395 Independent Study (Honors Only) (1-3)

PSY 230 Life Span Development (3)
PSY 345 Health Psychology (3)
PSY 406 Death and Dying (3)
SPA 306 Spanish for Health Professionals (3)

Biosocial Determinants of Health and Disease Domain
BIO 385 Microbiology (4)
GEO 315 World Economic Geography (3)
SOC 110 Introduction to Anthropology (3)
SOC 245 Race and Ethnic Relations (3)
SOC 410 Sociology of Mental Health (3)
SOC 420 Environmental Sociology (3)
SOC 460 Social Inequalities (3)

Reading and Writing Education (PK-6)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Supplemental Endorsement

This supplemental endorsement, which may be completed in addition to a field endorsement or two subject endorsements, in Reading and Writing PK-6 allows the completer to teach reading and writing in prekindergarten through grade 6 and provides additional expertise in the areas of English Language Arts.

Requirements, 19 credit hours

EDU 216 Children's Literature 3
EDU 332 Development of Language Arts in the Elementary and Middle School 3
EDU 415 ESL Programs, Curriculum, and Assessment 3
EDU 416 ESL Methods and Assessment 3
EDU 430 Literacy Assessment 3
EDU 440 Reading and Writing Practicum PK-6 1

Select one of the following 3
EDU 340 Early Reading (3)
EDU 341 Intermediate Reading (3)

Reading and Writing Education (7-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Supplemental Endorsement

This supplemental endorsement, which may be completed in addition to a field endorsement or two subject endorsements, in Reading and Writing 7-12 allows the completer to teach reading and writing in grades 7-12 and provides additional expertise in the areas of English Language Arts.

Requirements, 18 credit hours

EDU 310 Reading, Writing, and Assessment in Content Areas 2
EDU 415 ESL Programs, Curriculum, and Assessment 3
EDU 416 ESL Methods and Assessment 3
EDU 430 Literacy Assessment 3
EDU 441 Reading and Writing Practicum 7-12 1
ENG 442 Teaching Writing 2
ENG 443 Young Adult Literature 2
ENG 444 Developmental Reading in Middle and Secondary Schools 2

Safety Management

Technology and Applied Sciences Department
School of Business and Technology
Minor

With a safety management minor, students will be prepared to work in industry, government, and private sectors. The safety management minor pairs well with other industrial technology and business disciplines and can also be useful in the fields of law, engineering, communications, and health.

Requirements, 21 credit hours

ITE 301 Construction Safety 3
ITE 306 Industrial Safety 3
ITE 310 Workplace Accident Investigation 3
ITE 312 Systems Safety and Process Safety Management 3
ITE 407 Accident Prevention 3
ITE 408 Hazardous Materials 3

Select one of the following 3
ITE 203 Fundamentals of Industrial Hygiene (3)
ITE 207 Ergonomics (3)

Skilled and Technical Sciences Education/Skilled Specific (9-12)

Technology and Applied Sciences Department
School of Business and Technology
Supplemental Endorsement

Students planning to teach industrial technology subjects in schools' grades 6-12 should work toward the major in skilled and technical sciences field endorsement. Students will take a variety of classes in the different areas of Industrial Technology to prepare for a career in educational settings.

Endorsement Requirements, 15 credit hours

To qualify to teach in a Skilled and Technical Sciences education program in the secondary schools of Nebraska, a teacher must complete the BA or BS degree with an endorsement in Skilled and Technical Sciences and also complete the following requirements.

Work Experience
Work experience of 1000 verified hours of paid employment in the industry in which the specific career area coursework is taken OR 500 hours of verified paid employment in the industry in which the specific career area coursework is taken plus a valid nationally recognized trade certification/licensure in the career area in which the specific career area coursework is taken.

Content Requirements, 15 credit hours
CED 423 Coordinating Techniques 3

Electives from one of the specific career areas listed below. 12

- Architecture and Construction
- Energy and Engineering
- Manufacturing
- Transportation, Distribution and Logistics

Social Sciences

History, Politics, and Geography Department
School of Arts and Humanities
Minor

The minor in social sciences is a flexible interdisciplinary field of study.

Requirements, 21 credit hours

Courses taken to satisfy a student's major(s) may not be used in the minor. PSY internship hours do not count towards this minor.

Lower-level CJA, ECO, GEO, HIS, POS, PSY, SOC, SSC Electives 9
No more than 3 hours from any one area.

Upper-level CJA, ECO, GEO, HIS, POS, PSY, SOC, SSC Electives 12
No more than 6 hours from any one area.

Sociology

Psychology and Sociology Department
School of Education and Behavioral Sciences
Minor

The Sociology minor introduces students to the foundational concepts of sociology and research methods, enhancing students' knowledge in critical aspects of social life. The minor provides knowledge about the social world and supports career paths that involve working with diverse individuals or groups.

Requirements, 21 credit hours

Select one of the following 3
SOC 101 Introduction to Sociology (3)
SOC 220 Social Problems (3)

SOC 245 Race and Ethnic Relations 3

Electives 6
SSC 300 Social Sciences Research Methods (3)
SSC 319 Statistics for the Social Sciences (3)
CJA 405 Family Violence (3)
POS 430 Public Policy (3)
PSY 316 Social Psychology (3)
Or any upper-level SOC course

Upper-level SOC electives 9

Spanish

Language and Literature Department
School of Arts and Humanities
Minor

The Spanish minor provides students with a foundation in spoken and written Spanish to communicate in their chosen fields. The minor combines traditional courses in literature, civilization, and language with career-specific courses such as health, criminal justice, business, and construction management.

Requirements, 21 credit hours

SPA 120 Elementary Spanish II 3
SPA 210 Intermediate Spanish I 3
SPA 220 Intermediate Spanish II 3

Select one of the following civilization or culture courses 3
SPA 301 Spanish Civilization (3)
SPA 302 Spanish-American Civilization (3)
SPA 303 Hispanics in the United States (3)

Select one of the following literature courses 3
SPA 316 Introduction to Hispanic Literature (3)
SPA 317 Spanish Literature (3)
SPA 333 Survey of Spanish American Literature (3)
SPA 335 Special Topics in Spanish Literature (3)
SPA 337 Special Topics in Spanish American Literature (3)

Upper-level SPA electives 6

Speech Education (7-12)

Communication Arts Department
School of Arts and Humanities
Supplemental Endorsement

Requirements, 21 credit hours

Select one of the following 3
CNA 140/240/440 Intercollegiate Forensics (3)
CNA 447 Directing Communication Activities (3)

CNA 210 Interpersonal Communication 3
CNA 252 Public Address 3
CNA 317 Argumentation 3
CNA 346 Organizational Communication I 3
CNA 442 Communication and Rhetorical Theory 3
CNA 467 Intercultural Communication 3

Sport Management

Health, Human Performance, and Sport Department
School of Science, Health, and Criminal Justice
Minor

This minor is offered for students interested in sport management as a support area for other majors such as Business, Communications, or Field Endorsements in teaching areas. Students desiring to be high school athletic directors may wish to add this minor to the subject endorsements or field endorsement.

Requirements, 20 credit hours

PED 140 Introduction to Sport Management 3
PED 277 Media Relations in Sport 3
PED 385 Sport Management Practicum 2
PED 410 Sport Law 3
PED 411 Sport Marketing and Promotion 3
PED 450 Leadership in Sport Organizations 3
PED 485 Sport in American Culture 3

Theatre

Communication Arts Department
School of Arts and Humanities
Minor

The theatre minor prepares students with a generalized background in Theatre Arts. Courses in Theatre are designed to acquaint the student with the various aspects of theatrical production and participation. This minor is beneficial to students of all backgrounds as it encourages critical and creative thinking skills and develops organizational and communication skills. Such a minor is especially

beneficial to those students specializing in Communications, Language and Literature, the Fine Arts, and Social Sciences.

Requirements, 21 credit hours

Must act in a minimum of two WSC Theatre mainstage productions and must assist with build for a minimum of two WSC Theatre mainstage productions.

General Studies Requirement

CNA 101 Introduction to Theatre for CAT 4.

Content Requirements

CNA T120/220/320/420 Theatre Workshop 3
CNA 223 Acting 3
CNA 232 Stagecraft 3
CNA 318 Directing 3
CNA 337 Costumes and Make Up for the Stage and Screen 3

Select one of the following 3
CNA 331 Scene Design (3)
CNA 387 Lighting (3)

Select one of the following 3
CNA 333 American Theatre (3)
CNA 386 Modern World Drama (3)

Theatre Education (7-12)

Communication Arts Department
School of Arts and Humanities
Supplemental Endorsement

Requirements, 24 credit hours

Must act in a minimum of two WSC Theatre mainstage productions and must assist with build for a minimum of two WSC Theatre mainstage productions.

General Studies Requirement

CNA 101 Introduction to Theatre for CAT 4.

Content Requirements, 24 credit hours

CNA T120/220/320/420 Theatre Workshop 3
CNA 223 Acting 3
CNA 232 Stagecraft 3
CNA 318 Directing 3
CNA 337 Costumes and Make Up for the Stage and Screen 3
CNA 432 Play Production for Secondary Schools 3

Select one of the following 3
CNA 331 Scene Design (3)
CNA 387 Lighting (3)

Select one of the following 3
CNA 333 American Theatre (3)
CNA 335 Theatre History (3)
CNA 386 Modern World Drama (3)

Travel and Tourism

History, Politics, and Geography Department
School of Arts and Humanities
Minor

The minor in Travel and Tourism prepares students for opportunities in the growing global field of leisure travel and tourism. Students pursuing studies in fields such as Business, Advertising, Journalism, Communications, and Media may enhance their marketability by gaining knowledge of cultural sensitivity, natural resource management, and regional differences in human and physical geography.

Requirements, 21 credit hours

Complete at least 50% of upper-level credit hours.

GEO 120 World Regional Geography 3
GEO 130 Physical Geography 3
GEO 325 Geography of Recreation, Tourism, and Sport 3
PED 288 Sport Tourism and Event Management 3

Select three of the following 9
GEO 300 Human Geography (3)
GEO 315 World Economic Geography (3)
GEO 340 Geography of the US and Canada (3)
GEO 350 Geography of Europe (3)
GEO 360 Geography of Russia (3)
GEO 370 Geography of Latin America (3)
GEO 380 Geography of Asia (3)
GEO 490 Geography and History of Nebraska (3)
GEO 444 Topics in Geography (3)
GEO 497 Internship in Geography (3)

Web and Mobile App Design and Development

Art and Design Department
School of Arts and Humanities
Minor

Requirements, 21 credit hours

ART 403 App Design and Prototyping 3
ART 405 Web Design for the Graphic Designer 3
ART 410 Interaction Design 3
CSC 150 Programming Fundamentals I 3
CSC 165 Introduction to Web Development 3

Select two of the following 6
ART 231 Graphic Design II (3)
CIS 366 Introduction to Database (3)
CIS 375 Introduction to E-Commerce (3)
CNA 426 Public Relations through Social Media (3)
CSC 465 Advanced Web Development (3)

Work-Based Learning Education (9-12)

Technology and Applied Sciences Department
School of Business and Technology
Supplemental Endorsement

Persons with this endorsement may coordinate, teach, and supervise programs of instruction that develop career and life skills. This endorsement is a supplementary endorsement and requires an applicant to have, or earn concurrently, an endorsement in two subjects or one field in any content area in Grades 9-12.

Requirements, 3 credit hours

Work Experience
This endorsement is available only to those persons who have either A) 1,000 verified hours of paid work experience relevant to the career field; or B) at least 300 hours of supervised work experience relevant to the career field under the direction of the college.

Content Requirements, 3 credit hours
CED 423 Coordinating Techniques 3

Graduate Degree and Programs

Degree Requirements

Degrees

Master of Arts (MA)
Master of Arts in Teaching (MAT)
Master of Business Administration (MBA)
Master of Science (MS)
Master of Science in Education (MSE)
Master of Science in Organizational Management (MSOM)
Specialist in Education (Ed.S.)

Total Credits and Residence

A minimum of 30-60 credit hours, depending upon the program, must be completed. At least 50% of the total graduate credits shall be in 600 level courses.

Time Limit

Requirements for the degree must be met within 10 calendar years. Courses to be applied toward fulfilling the requirements of any graduate program, including any which may have been transferred from another institution, must have been completed within the 10 years immediately preceding the date of completion of requirements for the program.

Graduation

Students in a degree seeking program must file an Application for Graduation no later than the end of the second week of the semester in which they intend to graduate. All other requirements, including completion of in-progress grades from previous terms, must be met by the end of the sixth week of the semester of graduation. Summer graduates are eligible to participate in the May or December commencement ceremony. Summer graduates desiring to participate in the May commencement must file an Application for Graduation no later than the end of the second week of the spring semester. Once a student's name appears in a commencement program, it will not be listed again in any subsequent commencement program, nor will the student be able to participate in any upcoming commencement exercises, unless earning a new degree. Graduate degrees carry no "honors" designation.

Master of Arts in Teaching

- Complete 36 credit hours.
- 100 clock hours of embedded field experience within the MAT Core courses as aligned to NDE requirements for licensure.
- Completion of Comprehensive Exam to meet graduate research requirement.

Master of Business Administration

- Complete a minimum of 30 credit hours.

Master of Science in Education

Enhance teaching, leadership, and classroom instruction skills with a master's degree. If students already have a bachelor's degree, the master's degree program in counseling, curriculum and instruction, school administration, or special education is a great way to further their career.

Admission Requirements

- Students will apply online through the application portal and provide the program specific materials required to be accepted into the program.
- Have a 2.75 undergraduate GPA or above and/or graduate transfer credits with a GPA of 3.0 or higher.

External Accreditation

The MSE degree programs are approved by the Nebraska Department of Education (NDE). More information can be found on the WSC Specialized Accreditation (https://www.wsc.edu/info/20064/accreditation/907/specialized_accreditation/6) page.

External Licensure or Certification Information

To apply for initial certification in Nebraska or add an endorsement to their Nebraska certificate, students must go to The Educator Application and Certification Hub (https://teach.education.ne.gov/).

Requirements

- Complete a minimum of 36 credit hours.
- Completion of a Final Research Artifact

Master of Science in Organizational Management

- Complete a minimum of 36 credit hours.

Certificate of Advanced Studies

Certificates of Advanced Studies are available for individuals who desire to gain additional knowledge for professional development or advancement in their chosen profession. They are available for graduate students only.

Certificates of Advanced Studies are not endorsements. Certificates of Advanced Studies may be earned separately or while working toward a master's degree. A minimum overall average of "B" (3.0 on a 4.0 scale) will be required for all graduate courses included in a Certificate of Advanced Studies. No grade below a "C" will be accepted. A maximum of six transfer credit hours may be applied toward the certificate requirements.

Programs of Study

Degree Programs

Business Administration, MBA
Counseling, MSE
Counseling/School Counseling (PK-12), MSE
Curriculum and Instruction – Instructional Leadership, MSE
Interdisciplinary Studies, MA or MS
Organizational Management, MSOM
School Administration/Educational Leadership, Ed.S.
School Administration/Educational Leadership (PK-12), MSE
School Administration/Educational Leadership (PK-8), MSE
School Administration/Educational Leadership (6-12), MSE
Special Education, MSE
Teaching, MAT

Business Administration

School of Business and Technology
Master of Business Administration

The Business Administration program is a professional graduate degree designed primarily to provide an educational experience for students who wish to assume positions of increasing responsibility in business.

The Business Administration curriculum consists of two major components. The first component is described as “Common Body of Knowledge” (CBK) courses. This group of courses includes an introductory level course in each functional area of business. Students who have an undergraduate degree in business will typically have completed most, if not all, of these courses. The second curriculum component consists of the professional graduate courses.
The Business Administration program is broad in nature and requires students to complete a structured program of one or more courses in each area of business, and also permits students to complete a small specialization in one area. The program is designed for those who wish to further their professional development without terminating their employment.

Student Learning Outcomes

1. Utilize core concepts to make informed business decisions. The core areas include Marketing, Management, Finance, Accounting, and Strategic Integration.
2. Apply business-related methods and tools to formulate management decision alternatives.
3. Construct and present effective business communications to reach diverse audiences.
4. Create a cohesive team environment by building on contributions of members to accomplish a team goal.

Focus Areas within the Program
Accounting
Human Resource Management
Supply Chain Management

Associated Degree Programs
Organizational Management/Human Resource Management, MSOM

External Accreditation
This program is accredited by the International Accreditation Council for Business Education (IACBE). More information can be found on the WSC Specialized Accreditation page (https://www.wsc.edu/info/20064/accreditation/907/specialized_accreditation/2).

Program Admission and Participation Requirements

Program Admission Criteria
In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Applicants will be screened and evaluated on a number of factors that evidence high promise of academic achievement. Each applicant must be approved by the MBA program advisor and the

Dean of Business and Technology. All the following factors are considered together in granting admission to the program.

2. Undergraduate GPA 2.75 or higher on a 4.00 scale.
    a. Any applicant not meeting the undergraduate GPA may be fully admitted by special approval by the Dean of the School of Business and Technology. Students must meet the criteria for full admission before enrolling beyond nine (9) credit hours.
    b. Students taking MBA core courses must be either temporarily or fully admitted to the MBA program.

Common Body of Knowledge (CBK) Requirements

Each student is expected to have satisfactorily completed 3 credit hours in each of the following: Accounting, Corporate Finance, Economics and Statistics.

While each candidate who is accepted into the MBA program must be responsible for the Common Body of Knowledge subject matter, reasonable flexibility in the administration of the program is observed. Each student's background is considered so that a program can be built upon undergraduate work in business, arts and sciences, engineering, and certain other fields. Professionals with extensive business experience are encouraged to remove any deficiencies through approved equivalency options.

Transfer of Credits

A maximum of nine graduate credits, subject to evaluation by the Dean of Business and Technology, may be transferred from another regionally accredited graduate institution and applied toward a degree. Only transfer credit of a "B" grade or better is accepted. A "B-" is not acceptable.

MBA Program Credit that has been applied toward an earned graduate degree from any college will not be accepted for a graduate degree at WSC. A maximum of nine graduate credit hours, subject to evaluation by the Advisor of the MBA program and the Dean of Business and Technology, may be transferred from another regionally accredited graduate institution and applied toward a degree.

Program Requirements, 30-36 credit hours

Core Requirements, 24 credit hours

BUS 608 Financial Administration 3
BUS 620 Managerial Communications 3
BUS 625 Decision Science 3
BUS 650 Managerial Economics 3
BUS 652 Management Accounting 3
BUS 656 Marketing Administration 3
BUS 690 Seminar in Organizational Behavior 3
BUS 692 Administrative Policy 3

Electives or Focus Area Requirement

Select one of the following 6-12
Electives, 6 credit hours
Accounting, 12 credit hours
Human Resources, 12 credit hours
Supply Chain Management, 12 credit hours

Electives or Focus Area Requirements

Electives, 6 credit hours

Graduate level BUS, ECO or CIS electives 6

Accounting Focus Area, 12 credit hours

Additional Common Body of Knowledge Courses

Intermediate Accounting I
Intermediate Accounting II

Content Requirements, 12 credit hours

BUS 531 Accounting Analytics 3
BUS 537 Fraud Examination and Forensic Accounting 3
BUS 544 Governmental and Nonprofit Accounting and Auditing 3
BUS 546 Federal Tax Accounting II 3

Human Resources Focus Area, 12 credit hours

WSC baccalaureate Human Resource Management students who have already completed the undergraduate equivalent of these courses will substitute other by advisement for these courses.

BUS 552 Human Resource Development 3
BUS 553 Work Force Planning and Employment 3
BUS 554 Total Compensation 3
BUS 555 Employment Law and Labor Relations 3

Supply Chain Management Focus Area, 12 credit hours

WSC baccalaureate Human Resource Management students who have already completed the undergraduate equivalent of these courses will substitute other by advisement for these courses.

BUS 585 Introduction to Predictive Analytics 3
BUS 586 Seminar in Supply Chain Management 3
CIS 577 Project Management 3
CIS 632 Information Systems Technology and Management 3

Counseling

Counseling Department
School of Education and Behavioral Sciences
Master of Science in Education

The Counseling program's focus is to cultivate a range of competencies, including advanced counseling techniques, ethical decision-making, and cultural competence. Graduates are equipped to embark on fulfilling careers in diverse settings, ranging from clinical practices to educational institutions. The Counseling program offers a rich array of learning opportunities, fostering hands-on experiences, research endeavors, and mentorship, empowering students to make informed choices about their career paths. Prospective students are encouraged to explore and determine the program that aligns best with their aspirations and goals for professional growth.

Student Learning Outcomes

1. Demonstrate knowledge of the eight core counseling areas designated by the program's national accreditation (CACREP).
2. Demonstrate knowledge of accreditation standards specific to their professional practice specialty created by the Nebraska Department of Education (NDE), the State of Nebraska, and CACREP specialty area(s) as applicable by program.
3. Demonstrate competent skills and professional dispositions as an entry-level professional counselor in a supervised internship specific to their professional (i.e., either a clinical mental health, student affairs, or school) setting.

Focus Areas within the Program

Clinical Mental Health
School Counseling (PK-12) Field Endorsement
Student Affairs and College Counseling

Associated Non-Degree Programs

Addictions Counseling, certificate of advanced studies
Trauma Counseling, certificate of advanced studies

External Accreditation

The Clinical Mental Health Counseling program is accredited by the Council for Accreditation of Counseling and Related Education Programs (CACREP). School Counseling is approved by the Nebraska Department of Education (NDE). More information can be found on the WSC Specialized Accreditation (https://www.wsc.edu/info/20064/accreditation/907/specialized_accreditation) page.

Program Admission Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Complete a baccalaureate degree from an accredited institution with a minimum grade point average (GPA) of a 2.75.

2. Compete and submit the online application for WSC graduate admission, available on the WSC website.
3. Request official transcripts for all college work be sent to the WSC Office of Admissions.
4. Complete and submit the Application to the Graduate Program in Counseling in accordance with the following annual timelines.
    a. March 1 for enrollment in the summer or fall term
    b. October 1 for enrollment in the spring term
5. Submit a Research Interest Statement
6. Submit three required references.
7. Complete a Student Affirmation of Appropriate Conduct.
8. Complete the Counseling Learning Agreement.
9. Successfully complete program interview.

For program specific requirements see handbook.

Transfer Credits

A maximum of 12 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Only transfer credit of a "B" grade or better is accepted. A "B-" is not acceptable.

Program Requirements, 60 credit hours

Core Requirements, 36 credit hours

EDU 603 Introduction to Educational Research and Design 3
CSL 541 Dual Diagnosis and Addiction Disorders 3
CSL 547 Multicultural Counseling and Advocacy 3
CSL 575 Psychopathology and Client Adaptations 3
CSL 580 Professional Ethical and Legal Standards of Practice 3
CSL 600 Theories of Counseling 3
CSL 602 Counseling Program Orientation 0
CSL 615 Career Development and Life Planning 3
CSL 625 Theory and Practice of Appraisal 3
CSL 630 Human Development Across the Lifespan 3
CSL 660 Professional Foundations and Counseling Skills 3
CSL 665 Group Counseling 3
CSL 688 Crisis and Trauma Intervention 3
CSL 692 Counseling Program Exit Benchmark 0

Focus Area Requirement, 24 credit hours

Select one of the following 24
Clinical Mental Health Counseling
Student Affairs and College Counseling

Focus Area Requirements

Clinical Mental Health Counseling Focus Area, 24 credit hours

Licensure or Certification Information

A student may complete the graduate degree in Clinical Mental Health Counseling as a first step in applying for licensure to provide counseling. An additional step to earning a license is to pass a competency test that is approved by the state; typically the National Counselor Exam (NCE) and/or the National Clinical Mental Health Counseling Exam (NCMHCE). Students will be required to take the Counselor Preparation Comprehensive Examination (CPCE) to help prepare for the national licensure exam(s) and to demonstrate mastery of core competencies.

Mental Health Practitioner Licensure Information

In compliance with the State Authorization Reciprocity Act (SARA), the Clinical Mental Health program at WSC is CACREP accredited and leads to the ability to apply for licensure through the Nebraska department of Health and Human Services. However, WSC does not assume responsibility for counseling licensure eligibility by other states other than Nebraska. Students should check with their licensing agency regarding specific state requirements. For a directory of counseling licensing boards, please visit the American Counseling Association's "Knowledge Center" website. For licensure in Nebraska, contact the Nebraska Department of Health and Human Services Regulation and Licensure, P.O. Box 95007, Lincoln, NE 68509-5007, 402-471-2115, or visiting their website at Nebraska Department of Health and Human Services (http://dhhs.ne.gov/)

Content Requirements, 24 credit hours

CSL 605 Clinical Psychopharmacology 3
CSL 645 Diverse Families and Relationships 3
CSL 661 Counseling Techniques and Strategies 3
CSL 662 Supervised Practicum 3
CSL 672 Clinical Organization/Administration of Counseling Services 3
CSL 675 Diagnosis and Treatment Planning 3
CSL 697 Internship in Counseling (CMHC I) 3
CSL 697 Internship in Counseling (CMHC II) 3

Student Affairs and College Counseling Focus Area, 24 credit hours

CSL 636 Introduction to Student Services 3
CSL 645 Diverse Families and Relationships 3
CSL 646 Student Affairs and College Counseling 3
CSL 662 Supervised Practicum 3
CSL 663 Supervised Advising Practicum 3
CSL 671 Academic Organization/Administration of Counseling Services 3
CSL 697 Internship in Counseling (SACC I) 3
CSL 697 Internship in Counseling (SACC II) 3

School Counseling Certification Information

In compliance with the State Authorization Reciprocity Act (SARA), educator preparation programs at WSC are state approved, nationally recognized programs that lead to certification by the Nebraska Department of Education. Even in those states having reciprocity with the state of Nebraska, students must apply for teacher certification to that respective state to be issued a teaching certificate by that respective state in accordance with that state's laws. WSC does not assume responsibility for teacher certification by states other than Nebraska but will provide institutional verification that WSC graduates have completed a state approved Educator Preparation Program. Furthermore, it is the responsibility of the student to complete all program requirements before institutional verification of approved program completion will be provided by the WSC Certification Officer.

Effective September 1, 2015, applicants for a Nebraska certificate will be required to show proof of a passing score on the designated Praxis II content test in the student's endorsement area(s) prior to being issued a Nebraska certificate. Nebraska Department of Education requirements change by legislative or executive actions and may be different than degree program requirements stated in the catalog. Students should contact the Director of Counseling Services with all questions or concerns about completing an internship or practicing in another state: 402-375-7392.To apply for Nebraska certification or for more information, please visit https://www.education.ne.gov/tcert/.

Degree seeking school counseling students will be required to take the Counselor Preparation Comprehensive Examination (CPCE) to demonstrate mastery of core competencies and Professional School Counselor exams prior to the completion of their last internship.

Counseling/School Counseling (PK-12)

Counseling Department
School of Education and Behavioral Sciences
Master of Science in Education

The Counseling program's focus is to cultivate a range of competencies, including advanced counseling techniques, ethical decision-making, and cultural competence. Graduates are equipped to embark on fulfilling careers in diverse settings, ranging from clinical practices to educational institutions. The Counseling program offers a rich array of learning opportunities, fostering hands-on experiences, research endeavors, and mentorship, empowering students to make informed choices about their career paths. Prospective students are encouraged to explore and determine the program that aligns best with their aspirations and goals for professional growth.

The School Counseling PK-12 Endorsement equips graduate students with the knowledge and skills essential for success in contemporary school counseling roles. This specialized endorsement is exclusively available to students completing a graduate counseling degree with a focus on school counseling. Throughout the program, students engage in a rigorous curriculum that emphasizes core counseling principles alongside specialized school counseling subjects. The coursework is designed to foster competencies such as the integration of the latest American School Counselor Association (ASCA) model, application of student-centered interventions, proficiency in assessing for referral, identification of students with mental and emotional impairments, and the ability to prevent and manage crisis concerns. Graduates of this program emerge as highly skilled professionals prepared to navigate the dynamic landscape of school counseling. The PK-12 internship experiences, spanning both elementary and secondary school settings, provide invaluable hands-on learning opportunities. Our program stands out for its commitment to staying current with evolving counseling roles and for emphasizing the crucial aspect of preventing and managing crisis concerns, setting it apart from other similar programs. This endorsement is ideal for students dedicated to making a positive impact on the academic and emotional well-being of students in the PK-12 educational environment.

Student Learning Outcomes

1. Demonstrate knowledge of the eight core counseling areas designated by the program's national accreditation (CACREP).
2. Demonstrate knowledge of accreditation standards specific to their professional practice specialty created by the Nebraska Department of Education (NDE), the State of Nebraska, and CACREP specialty area(s) as applicable by program.
3. Demonstrate competent skills and professional dispositions as an entry-level professional counselor in a supervised internship specific to their professional (i.e., either a clinical mental health, student affairs, or school) setting.

Associated Non-Degree Programs

Addictions Counseling, certificate of advanced studies
Trauma Counseling, certificate of advanced studies

External Accreditation

School Counseling is approved by the Nebraska Department of Education (NDE). More information can be found on the WSC Specialized Accreditation (https://www.wsc.edu/info/20064/accreditation/907/specialized_accreditation) page.

School Counseling Certification Information

In compliance with the State Authorization Reciprocity Act (SARA), educator preparation programs at WSC are state approved, nationally recognized programs that lead to certification by the Nebraska Department of Education. Even in those states having reciprocity with the state of Nebraska, students must apply for teacher certification to that respective state to be issued a teaching certificate by that respective state in accordance with that state's laws. WSC does not assume responsibility for teacher certification by states other than Nebraska but will provide institutional verification that WSC graduates have completed a state approved Educator Preparation Program. Furthermore, it is the responsibility of the student to complete all program requirements before institutional verification of approved program completion will be provided by the WSC Certification Officer.

Effective September 1, 2015, applicants for a Nebraska certificate will be required to show proof of a passing score on the designated Praxis II content test in the student's endorsement area(s) prior to being issued a Nebraska certificate. Nebraska Department of Education requirements change by legislative or executive actions and may be different than degree program requirements stated in the catalog. Students should contact the Director of Counseling Services with all questions or concerns about completing an internship or practicing in another state: 402-375-7392.To apply for Nebraska certification or for more information, please visit https://www.education.ne.gov/tcert/.

Program Admission Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Complete a baccalaureate degree from an accredited institution with a minimum grade point average (GPA) of a 2.75.
2. Compete and submit the online application for WSC graduate admission, available on the WSC website.
3. Request official transcripts for all college work be sent to the WSC Office of Admissions.
4. Complete and submit the Application to the Graduate Program in Counseling in accordance with the following annual timelines.
    a. March 1 for enrollment in the summer or fall term
    b. October 1 for enrollment in the spring term
5. Submit a Research Interest Statement
6. Submit three required references.
7. Complete a Student Affirmation of Appropriate Conduct.
8. Complete the Counseling Learning Agreement.
9. Successfully complete program interview.

For program specific requirements see handbook

Transfer Credits

A maximum of 12 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Only transfer credit of a "B" grade or better is accepted. A "B-" is not acceptable.

Program Requirements, 60 credit hours

Degree seeking school counseling students will be required to take the Counselor Preparation Comprehensive Examination (CPCE) to demonstrate mastery of core competencies and Professional School Counselor exams prior to the completion of their last internship.

Core Requirements, 36 credit hours

EDU 603 Introduction to Educational Research and Design 3
CSL 541 Dual Diagnosis and Addiction Disorders 3
CSL 547 Multicultural Counseling and Advocacy 3
CSL 575 Psychopathology and Client Adaptations 3
CSL 580 Professional Ethical and Legal Standards of Practice 3
CSL 600 Theories of Counseling 3
CSL 602 Counseling Program Orientation 0
CSL 615 Career Development and Life Planning 3
CSL 625 Theory and Practice of Appraisal 3
CSL 630 Human Development Across the Lifespan 3
CSL 660 Professional Foundations and Counseling Skills 3
CSL 665 Group Counseling 3
CSL 688 Crisis and Trauma Intervention 3
CSL 692 Counseling Program Exit Benchmark 0

Content Requirements, 24 credit hours

CSL 641 Counseling Children 3
CSL 647 Comprehensive School Counseling 3
CSL 650 Current Practices in School Counseling with Diverse Populations 3
CSL 662 Supervised Practicum 3
CSL 671 Academic Organization/Administration of Counseling Services 3
CSL 697 Internship in Counseling (PK-8 settings) 3
CSL 697 Internship in Counseling (7-12 settings) 3
SPD 636 Social/Emotional Behavior 3

Curriculum and Instruction – Instructional Leadership

School of Education and Behavioral Sciences
Master of Science in Education

The School of Education and Behavioral Sciences at WSC offers a MSE in Curriculum and Instruction (C&I) – Instructional Leadership degree to meet the needs of diverse groups of graduate students. While the School of Education and Behavioral Sciences assumes that most candidates for this degree come from the ranks of professional educators, individuals not holding teaching credentials may be considered for admission to a program provided they meet all admission criteria. It should be noted that conferral of the MSE does not necessarily lead to a professional teaching endorsement.

Student Learning Outcomes

1. Analyze literature to improve educational practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Utilize evidence-based inclusive practices to develop meaningful learning experiences for students.

Focus Areas in this Program

Business and Information Technology Education
Community of Learning
Cross-Curricular Education
Early Childhood Education
Elementary Education
English as a Second Language (ESL)
English Education
Family and Consumer Sciences Education
Mathematics Education
Music Education
Reading Specialist (PK-12)
Science Education
Skilled and Technical Sciences Education
Social Sciences Education

Associated Degree Programs

Special Education, MSE

Associated Non-Degree Programs

Early Childhood (PK-3), supplemental endorsement
English as a Second Language (PK-12), supplemental endorsement
Information Technology (PK-12), supplemental endorsement
Reading Specialist (PK-12), subject endorsement

Transfer Credits

A maximum of 12 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied

toward a degree. Credit that has been applied toward an earned degree will not be accepted except for courses that are part of the Core requirements for an MSE in Curriculum and Instruction.

Program Requirements, 36-42 credit hours

Obtain a 3.0 cumulative GPA. Completion of all requirements as listed in the program handbook.

Core Requirements, 12 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 652 Instructional Theory and Practice 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
EDU 674 History and Philosophy of Education 3

Content Requirements, 0-12 credit hours

Take enough elective hours to have a minimum of 36 hours for this program.

Electives 0-12
EDU 600 Literacy through Literature for Children (3)
EDU 604 Language Arts in the Elementary and Middle School (3)
EDU 626 Advanced Educational Psychology (3)
EDU 627 Current Issues and Trends in Education (3)
EDU 629 Science of Reading-Early Childhood (2)
EDU 630 Science of Reading I (3)
EDU 631 Science of Reading II (3)
EDU 655 School Law: Constitutional Aspects and Cases (3)
EDU 693 Final Research (2-3)
EDU 699 Thesis (0-6)

Focus Area Requirement, 15-30 credit hours

Select one focus area 15-30
Business and Information Technology Education, 15-18 credit hours
Community of Learning, 18 credit hours
Cross-Curricular Education, 15-30 credit hours
Early Childhood Education, 24 credit hours
Elementary Education, 15 credit hours
English as a Second Language, 15 credit hours
English Education, 15 credit hours
Family and Consumer Sciences Education, 15 credit hours
Mathematics Education, 24 credit hours
Music Education, 24 credit hours
Reading Specialist (PK-12), 18 credit hours
Science Education, 15-21 credit hours
Skilled and Technical Sciences Education, 18 credit hours
Social Sciences Education, 24 credit hours

Focus Area Requirements

Business and Information Technology Education Focus Area, 15-18 credit hours

Select one Emphasis 15-18
Business Education, 15 credit hours
Information Technology, 18 credit hours

Emphasis Requirements, 15-18 credit hours

Business Education Emphasis, 15 credit hours

BUS 652 Management Accounting 3
BUS 656 Marketing Administration 3
BUS 690 Seminar in Organizational Behavior 3
CIS 632 Information Systems Technology and Management 3

Select one of the following 3
CED 650 Curriculum Development in Career/Technical Education (3)
CIS 575 Topics in Computer Information Systems (3)
CSC 548 Web and Multimedia Content Design and Administration (3)
EDU 682 Developing and Integrating Technology in the Classroom (3)

Information Technology Emphasis, 18 credit hours

Supplemental endorsement available: This endorsement requires an applicant to have a valid regular teaching certificate. See non-degree seeking endorsement only options for more information. Students who have already completed any of the 400-level course counterparts of the 500-level courses in the Information Technology Emphasis will be encouraged by advisement to select the Business Education Emphasis instead.

CIS 554 Technology Platforms: Hardware and Operating Systems 3
CIS 557 Networking and Technology Management 3
CIS 575 Topics in Computer Information Systems 3
CIS 632 Information Systems Technology and Management 3
CSC 542 Program Design and Documentation 3
CSC 548 Web and Multimedia Content Design and Administration 3

Community of Learning Focus Area, 18 credit hours

EDU 510 Culturally Responsive Teaching 3
EDU 626 Advanced Educational Psychology 3
EDU 627 Current Issues and Trends in Education 3
EDU 635 Differentiated Methodology 3
EDU 651 Classroom Assessment 3
EDU 693 Final Research 3

Cross-Curricular Education Focus Area, 15-30 credit hours

The cross-curricular focus area may include courses in Reading and Language Arts, Mathematics, Social Studies, Science, Health, Physical Education, Visual and Performing Arts, Career Education, World Languages, Technology, Leadership, Cultural Diversity, and other content areas, threads, or themes and shall examine the interrelatedness of two or more content/theme areas in the PK-12 classroom.

Cross-Curricular courses upon advisement 15-30

Early Childhood Education Focus Area, 24 credit hours

Supplemental endorsement available: This endorsement requires an applicant to have a valid regular teaching certificate. See non-degree seeking endorsement only options for more information.

EDU 605 Curriculum and Methods Appropriate for Ages Birth-8 3
EDU 617 Assessment of Needs for Young Children Birth-8 3
EDU 632 Clinical for Early Childhood 3
FCS 604 Infants/Toddlers Through Primary Children Birth-8 3
FCS 611 Administration of Early Childhood Education Programs and Coordination of Community Partnerships 3
FCS 616 Early Childhood Practicum and Applied Research 3
SPD 636 Social / Emotional Behavior 3
SPD 652 Collaboration and Co-Teaching 3

Elementary Education Focus Area, 15 credit hours

EDU 600 Literacy through Literature for Children 3
EDU 604 Language Arts in the Elementary and Middle School 3
EDU 612 Social Studies in the Elementary and Middle School 3
EDU 613 Science in the Elementary and Middle School 3
EDU 614 Mathematics in the Elementary and Middle School 3

English as a Second Language Focus Area, 15 credit hours

Supplemental endorsement available: This endorsement requires an applicant to have a valid regular teaching certificate. See non-degree seeking endorsement only options for more information.

CNA 567 Intercultural Communication 3
EDU 515 ESL Programs, Curriculum and Assessment 3
EDU 516 ESL Methods and Assessment 3
EDU 517 English as a Second Language Practicum PK-12 3
ENG 526 Linguistic Theory and Applications 3

English Education Focus Area, 24 credit hours

Additional Admission Requirements

- Submit to the English Department Graduate Committee a writing sample of an academic essay of five or more pages and a letter of application specifying the applicant's preparation and goals.
- Complete an interview by the English Department Graduate Committee.

Content Requirements, 24 credit hours

English seminar courses by advisement 24

Family and Consumer Sciences Education Focus Area, 15 credit hours

FCS 610 Instructional Techniques and Curriculum Development in FCS 3

FCS 615 Current Trends and Issues in Family and Consumer Sciences..... 3

Electives 9
FCS 505 Special Topics in Family and Consumer Sciences (3-9)
FCS 591 Special Project (3)
FCS 695 Independent Study (3)
FCS 597 Internship (3)
FCS 697 Internship (3)

Mathematics Education Focus Area, 24 credit hours

Additional Admission Requirements

- A BS or BA in Mathematics or Mathematics Education, or a teaching certificate in secondary mathematics.
- Completion of the calculus sequence (Calculus I, II, and III)
- Completion of nine additional hours of mathematics courses numbered 300 and above is strongly recommended.
- Completion of a mathematics proof course preferred.

May substitute one MAT course for EDU 674 by advisement.

Content Requirements, 24 credit hours

MAT 530 Seminar in Abstract Algebra 3
MAT 554 Seminar in Real Analysis I 3
MAT 610 Modern Geometry for Teachers 3
MAT 620 Seminar in Discrete Mathematics..... 3
MAT 645 Current Trends in Mathematics Curriculum and Teaching 3
MAT 660 Probability and Statistics for Teachers I 3

Select two of the following 6
MAT 520 Number Theory (3)
MAT 535 History of Mathematics (3)
MAT 555 Seminar in Real Analysis II (3)
MAT 661 Probability and Statistics for Teachers II (3)
MAT 682 Topics in Mathematics (3)

Music Education Focus Area, 24 credit hours

MUS 603 Instructional Practices in Music Education 3

Select three of the following..... 9
MUS 515 Choral Literature and Materials (3)
MUS 516 Instrumental Literature and Materials (3)
MUS 601 Advanced Choral Conducting (3)
MUS 602 Advanced Instrumental Conducting (3)
MUS 610 Analytical Techniques for Tonal Music (3)

Select two of the following 6
MUS 503 Music of the Baroque and Classical Periods (3)
MUS 504 Music of the Romantic Period (3)
MUS 505 Music of the 20th Century (3)

Electives 4
MUS 524 Piano Pedagogy (3)
MUS 544 Topics in Music Pedagogy and Literature (2)
MUS 653 Piano Lessons (2)
MUS 655 Voice Lessons (2)
MUS 657 Brass Lessons (2)
MUS 659 Woodwind Lessons (2)
MUS 661 Strings Lessons (2)
MUS 663 Percussion Lessons (2)

MUS electives 2

Reading Specialist (PK-12) Focus Area, 18 credit hours

Supplemental endorsement available: This endorsement requires an applicant to have a valid regular teaching certificate. See non-degree seeking endorsement only options for more information.

EDU 642 Foundations of Literacy 3
EDU 647 Instructional Theory and Practice in Literacy 3
EDU 648 Advanced Assessment and Interventions in Literacy 3
EDU 649 Instructional Leadership in Literacy 3
EDU 682 Developing and Integrating Technology in the Classroom 3
EDU 698 Practicum or Seminar 3

Science Education Focus Area, 15-21 credit hours

Select one of the following 3
BIO 500 Advanced Zoology (3)
BIO 505 Advanced Plant Biology (3)
BIO 506 Great Plains Flora (3)
BIO 530 Parasitology (3)
BIO 534 Advanced Cellular Biology (3)
BIO 551 Advanced Ecology (3)
BIO 586 Immunology (3)

Select one of the following 3
CHE 500 Environmental Chemistry (3)
CHE 610 Modern Inorganic Chemistry (3)
CHE 616 Organic and Biological Chemistry for Teachers (3)
CHE 650 Computer Applications in Chemistry and Science Education (3)

EAS 530 Oceanography 3

Select one of the following 2-3
PHY 611 Contemporary Physics for Teachers I (3)
PHY 661 Contemporary Physics for Teachers II (2)

Electives 4-9
BIO 500 Advanced Zoology (3)
BIO 505 Advanced Plant Biology (3)
BIO 506 Great Plains Flora (3)
BIO 530 Parasitology (3)
BIO 534 Advanced Cellular Biology (3)
BIO 551 Advanced Ecology (3)
BIO 586 Immunology (3)
CHE 500 Environmental Chemistry (3)
CHE 610 Modern Inorganic Chemistry (3)
CHE 616 Organic and Biological Chemistry for Teachers (3)
CHE 650 Computer Applications in Chemistry and Science Education (3)
NAT 521 Scientific Communication (3)
NAT 558 Field Studies in Natural History (3)
NAT 600 Current Science Topics (1)
PHY 611 Contemporary Physics for Teachers I (3)
PHY 661 Contemporary Physics for Teachers II (2)

Skilled and Technical Sciences Education Focus Area, 18 credit hours

ITE 605 Organization of Technology Education Programs 3
ITE 650 Developments in Technology Education 3
ITE Electives..... 12

Social Sciences Education Focus Area, 24 credit hours

The graduate emphasis in the social sciences offers a wide range of disciplines for students to engage. It should have appeal for those interested in furthering their skills and foundation in teaching careers in secondary and post-secondary education, and for students without a teaching certificate but interested in graduate-level discipline-based coursework.

Electives from one Social Science content area..... 9
Electives from another Social Science content area..... 6
Social Science electives by advisement 6

SSC 695 Independent Study..... 3
The project assigned in this course fulfills the final research requirement for the MSE in Curriculum and Instruction-Instructional Leadership and the course prefix may be any Social Sciences content area.

Interdisciplinary Studies

Master of Science or Master of Arts

A degree in Interdisciplinary Studies provides maximum flexibility for the student in determining the content of their degree program. A Program of Study is constructed by the student and advisor, in the interest of helping the student reach their professional goals. An Interdisciplinary Studies Program of Study must emphasize a clearly defined area, body of thought, or educational goal. This degree program is not intended to allow students to graduate without concentrating their thoughts in some clearly defined area of emphasis.

Student Learning Outcomes for Program

1. Synthesize information from the multiple disciplines represented in a student's course of study.
2. Demonstrate critical thinking skills.
3. Write effectively using discipline-specific methods.
4. Articulate how the chosen areas of study will help achieve personal and professional goals.

Program Participation Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Students must present an undergraduate GPA of 2.75 or higher on a 4.00 scale for regular admission.
2. Students may be required to take certain undergraduate courses if their undergraduate preparation is determined to be deficient by the advisor or department chairperson.
3. A complete Program of Study document which lists all planned coursework approved by their advisor, Department Chair (primary area), appropriate School Dean, IDS Director, and Vice President for Academic Affairs.
4. If the student does not meet all of the above requirements, the student may be provisionally admitted. This process may include, but is not limited to, an interview, letters of recommendation, a standardized test, or a personal statement.

Program Continuation

A minimum overall average of "B" (3.0 on a 4.0 scale) will be required of all graduate students. This average is based on all WSC courses attempted. In computing this average, no grade below a "C" will be accepted toward completion of the degree. A "C-" is not acceptable. A course cannot be elected to receive an S/NC grade in a Master's degree program.

Transfer of Credits

A maximum of nine graduate credits, subject to evaluation by the appropriate School Dean, may be transferred from another regionally accredited graduate institution and applied toward a degree. Only transfer credit of a "B" grade or better is accepted.

Program Requirements, 30 credit hours

Achieve a minimum overall average of "B". This program cannot duplicate another program of study.

Content Requirements, 30 credit hours

Electives by advisement 30

At least 15 hours in one primary area of study.

IDS 692 Exit Benchmark 0

Thesis, Internship, comprehensive examination, or project as part of the 30 credit hours.

Organizational Management

School of Science, Health, and Criminal Justice
Master of Science in Organizational Management

The Organizational Management program is designed to serve the needs of the WSC students by providing a master's level education designed to prepare individuals for management, administrative, supervisory, or leadership positions within corporate, government, or not-for-profit settings. This degree program is offered by the Nebraska State College System with online courses available not only from WSC, but also from Chadron State College and Peru State College.

Student Learning Outcomes

1. Demonstrate leadership theory using an ethical framework.
2. Construct effective communication strategies to reach diverse audiences.
3. Examine organizational social systems impact on organizational behavior, change, and development.
4. Apply the different approaches to dispute resolution management.
5. Appraise research supported through the use of analysis and respective concepts in their field.
6. Apply advanced knowledge of their select focus area.

Focus Areas within the Program

Criminal Justice Administration and Management
Human Performance and Wellness Management
Human Resource Management
Information Technology Management
Public Affairs
Public Relations Management
Sport and Recreation Management

Associated Degree Programs

Business Administration/Human Resource Management, MBA

Associated Non-Degree Programs

Strength and Conditioning, certificate of advanced studies

Transfer of Credits

A maximum of nine graduate credits (18 from the Nebraska State Colleges), subject to evaluation by the Dean of Science, Health and Criminal Justice, may be transferred from another regionally accredited graduate institution and applied toward a degree. Only transfer credit of a "B" grade or better is accepted. A "B-" is not acceptable.

Program Admission Requirements

- Students may be required to take certain undergraduate courses if their undergraduate preparation is determined to be deficient by the advisor or department chairperson. These courses may not be considered part of the 36-credit hour program of study for the MSOM.
- If the student's undergraduate GPA is below our admission standard, please be aware that probationary admittance is allowed. If requested, the Dean of Science, Health and Criminal

Justice, in conjunction with the appropriate graduate faculty, will review, on a case-by-case basis, the student's undergraduate transcripts. Students may be required to provide additional information, including but not limited to, a personal statement and/or letters of recommendation.

Program Requirements, 36-54 credit hours

Core Requirements, 18 credit hours

Select one of the following 3
CNA 665 Research Design: Qualitative, Quantitative and Mixed Methods Approaches (3)
EDU 603 Introduction to Educational Research and Design (3)
PED 650 Research Design (3)

PED 622 Statistical Applications and Data Analysis 3

Leadership

Students who would like a leadership emphasis in their program of study may, with permission from their advisor, take two leadership courses as part of their 12 hours. The second course would be substituted for a course in one of the other three areas.

Select one of the following 3
BUS 627 Ethics in Leadership (3)
BUS 665 Leadership Seminar (3)
CNA 661 Research in Leadership (3)

Communication

Select one of the following 3
BUS 620 Managerial Communications (3)
CNA 675 Legal Topics in Media and Communication (3)

Organizational Behavior

Select one of the following 3
BUS 690 Seminar in Organizational Behavior (3)
CNA 648 Advanced Organizational Communication (3)

Conflict Management and Organizational Psychology

Select one of the following 3
BUS 628 Dispute Resolution Management (3)
CNA 617 Topics in Argumentation and Persuasion (3)
PSY 535 Industrial/ Organizational Psychology (3)

Focus Area Requirement, 18-36 credit hours

The 18 credit hours of focus area courses MUST be taken at the institution offering that particular focus area.

Select one or two focus areas 18-36
Criminal Justice Administration and Management
Human Performance and Wellness Management
Human Resource Management
Information Technology Management
Public Affairs
Public Relations Management
Sport and Recreation Management

Focus Area Requirements

Criminal Justice Administration and Management Focus Area, 18 credit hours

This specialization is structured to prepare students for leadership and professional positions in the criminal justice field. For those who want to move into command positions where leadership and management skills are in high demand, criminal justice professionals with a master's in criminal justice administration and management will be needed. The field of criminal justice is growing, not just in the number of jobs and salaries, but in the variety of positions from which to choose. Most employees in management typically find jobs in emergency management, university campuses, environmental protection or in federal agencies such as the Department of Homeland Security. With a master's degree in organizational management, a student's résumé will stand out to advance their career.

CJA 653 Administration and Management in Criminal Justice 3

Select three of the following 9
CJA 625 Life Course Criminology (3)
CJA 627 Elements of Cybercrime (3)
CJA 630 Applied Criminology (3)
CJA 644 Topics in Criminal Justice (3)
CJA 647 Youth Crime and Justice (3)
CJA 650 Advanced Criminal Law (3)
CJA 652 Drugs and Society (3)

Thesis, Scholarly Project or Internship 6
CJA 694 Focus Area Exit Benchmark 0

Human Performance and Wellness Management Focus Area, 18 credit hours

The world of physical activity includes everything from the athlete trying to maximize performance to the sedentary individual just starting to move. A vast number of professions revolve around all the different aspects of physical activity. Regardless of who students work with, the online master's in human performance and wellness management is designed to help them transition to the next level in their career. The program focuses on essential areas of management while also providing more in-depth study within the area of human performance and wellness. Interested in moving into management, performing a job at a higher level, or even starting a business, this online graduate program can help make that step. This health and wellness master's degree program can also prepare students for the NSCA's Certified Strength and Conditioning Specialist, Certified Personal Trainer and Certified Special Populations Specialist certifications.

PED 617 Management in Human Performance and Wellness 3

Select three of the following 9
PED 607 Exercise and Nutrition (3)
PED 614 Advanced Exercise Physiology (3)
PED 627 Training Special Populations (3)
PED 657 Advanced Strength and Conditioning (3)
PED 660 Periodization in Strength and Conditioning (3)
PED 682 Optimizing Athletic Performance (3)

Thesis, Scholarly Project or Internship 6
PED 694 Focus Area Exit Benchmark 0

Human Resource Management Focus Area, 18 credit hours

This specialization is designed for those students who want to maximize their employee performance in service of their employer's strategic objectives. The program covers a series of business activities used to manage the employees within a business organization, specifically related to workforce planning and development; employee recruitment, selection and orientation; performance appraisals; human resources development; job analysis and design; compensation and benefits; and employee labor relations.

WSC baccalaureate Human Resource Management students who have already completed these courses as undergraduates will substitute other courses by advisement.

BUS 552 Human Resource Development 3
BUS 553 Work Force Planning and Employment 3
BUS 554 Total Compensation 3
BUS 555 Employment Law and Labor Relations 3
Thesis, Scholarly Project or Internship 6

Information Technology Management Focus Area, 18 credit hours

The specialization in Information Technology Management has as its target audience those employed in business, education, government, or other types of organizations. It is designed for those who must deal with or manage information technology as a part of their job in a functional area or as the sole focus of their employment. This specialization offers a market advantage by delivering the information technology management and business skills, as well as practical knowledge and experience necessary to prepare students to be able to adequately plan, deploy, manage, evaluate, and supervise the operational, tactical, and strategic uses of technology in their organizations and functional areas.

WSC baccalaureate business, computer information systems, or computer science students who have already completed these courses as undergraduates will substitute other courses by advisement.

CIS 530 Management Information Systems 3
CIS 575 Topics in Computer Information Systems 3
CIS 577 Project Management 3
CIS 632 Information Systems Technology and Management 3
Thesis, Scholarly Project or Internship 6

Public Affairs Focus Area, 18 credit hours

The specialization is structured to prepare students for leadership and professional positions in public sector or nonprofit organizations. Students will gain knowledge and skills to effectively engage in the making, implementation, evaluation, and analysis of public policy. Non-profit and government organizations seek individuals with these skills to guide and administer the policies that govern their organizations and the communities they serve.

WSC baccalaureate students who have already completed these courses as undergraduates will substitute other courses by advisement.

POS 502 State and Local Politics 3
POS 510 Public Policy Analysis and Program Evaluation 3
POS 530 Public Policy 3
POS 545 Public Administration and Management 3
Thesis, Scholarly Project or Internship 6

Public Relations Management Focus Area, 18 credit hours

This specialization is designed for those who wish to help build an organizations' understanding of and effective communication with its publics/stakeholders. The program offers unique advantage to those seeking to strengthen problem-solving techniques and improve skills relating to social media as well as new communication technologies. The program content can be used strategically in governmental, non-profit, and for-profit organizations.

CNA 626 Social Media and PR Management 3
CNA 653 Media Planning in Advertising and Branding 3
CNA 659 Public Relations Leadership 3
CNA 671 Media, Culture and Society 3
CNA 694 Focus Area Exit Benchmark 0

Thesis, Scholarly Project or Internship..... 6

Sports and Recreation Management Focus Area, 18 credit hours

The specialization in Sport and Recreation Management is aimed at sports enthusiasts with undergraduate degrees in education, business, or the liberal arts who are ready to leverage a multidisciplinary graduate approach into a career in physical activity settings such as sports industry management, coaching, administration, or sports and recreation sales and marketing. This specialization offers students a market advantage by delivering business skills with practical industry knowledge and experience and includes any combination of skills related to planning, organizing, leading, and evaluating within the context of an organization or department whose primary product or service is related to sport and/or physical activity.

Select one of the following 3
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)

Select three of the following..... 9
PED 605 Economy of Sport (3)
PED 610 Legal Aspects of Sport (3)
PED 612 Advanced Sport Marketing and Promotion (3)
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)
PED 671 Recent Literature and Research in Education and HHPS (3)
PED 685 Social Issues in Sport (3)

PED 694 Focus Area Exit Benchmark 0
Thesis, Scholarly Project or Internship..... 6

School Administration/Educational Leadership

School of Education and Behavioral Sciences
Specialist in Education

This program prepares qualified students for leadership positions in education and meets the endorsement requirements for all general administrative and supervisory positions in Nebraska schools.

Student Learning Outcomes

1. Analyze literature to improve educational practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Demonstrate the knowledge and skills to lead and transform schools.

Associated Degree Programs
Special Education, MSE

Program Admission Requirements

1. Possess a Master's degree or endorsement in education-school administration from an accredited institution (Note - applicants with a master's degree in other education fields will be required to complete deficiency hours);
2. Possess a valid teaching certificate or must demonstrate the ability to earn a teaching certificate upon completion of the Specialist in Education program;
3. Have an overall minimum GPA of 3.0 in an education master's degree program;
4. Have two years of verified successful teaching experience, and have completed the NDE required human relations and special education course requirements to become endorsed;
5. Submit a Statement of Purpose.
6. Submit three required references.
7. Submit a passing score on an approved qualifying exam. Students certified as administrators before September 1, 2015, may request a qualifying exam substitution or waiver from their advisor.

Transfer of Credits
A maximum of 12 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Only transfer credit of a "B" grade or better is accepted. A "B-" is not acceptable.

Program Requirements, 30 credit hours

A minimum overall GPA of 3.2 must be achieved in the Specialist in Education degree program. Transfer courses must have occurred in a degree program after completing the principal endorsement. While course substitutions are rare due to the program's specific content for the Superintendency, exceptions may be considered. A course receiving an S/NC grade cannot be used in the Specialist in Education degree program.

Content Requirements, 30 credit hours

EDU 700 The Superintendency 3
EDU 704 School Law for Administrators 3
EDU 705 Problem Resolution in Educational Organizations 3
EDU 710 School Improvement Planning 3
EDU 725 Educational Facilities Planning 3
EDU 730 Human Resources Administration 3
EDU 740 Business Management 3
EDU 745 School Finance and Budgeting 3
EDU 750 School and Community Relations 3
EDU 786 Advanced Internship in Educational Leadership 3

School Administration/Educational Leadership (PK-12)

School of Education and Behavioral Sciences
Master of Science in Education

This program is designed to prepare the candidate for certification as a school principal, supervisor, department head, activities director, or similar administrative position. To become endorsed, the candidate must have two years of verified successful teaching experience and have completed the Nebraska Department of Education (NDE) required human relations training and special education course requirements.

Student Learning Outcomes

1. Analyze literature to improve educational practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Demonstrate the knowledge and skills to lead and transform schools.

Focus Areas in this Program
Athletic Administration
Special Education Supervision

Associated Degree Programs
Special Education, MSE

Program Admission Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Possess a valid teaching certificate appropriate to the level of preparation or must demonstrate the ability to earn such certificate upon completion of the MSE program (for students seeking Special Education Supervisor (B-12) Field Endorsement they must also have completed two (2) years of teaching in an approved or accredited school system prior to admission to the program).
2. Have an overall minimum GPA of 2.75 in the undergraduate degree and/or graduate transfer credits with a GPA of 3.0 or higher
3. Submit a Statement of Purpose.
4. Submit three (3) required references.

Transfer Credits
A maximum of 18 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Credit that has been applied toward an earned degree will not be accepted except for courses that are a part of the Core Requirements for an MSE in School Administration/Educational Leadership.

Program Requirements, 45-48 credit hours

For more details on program specific requirements, see the MSE in School Administration Handbook.

- Complete required 400 internship hours.
- Complete Comprehensive Exam as the Final Research Requirement.

Core Requirements, 9 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
SPD 611 Organization and Administration of Special Education 3

Content Requirements, 27 credit hours

EDU 610 Elementary School Administration PK-8 3
EDU 611 Secondary School Administration 6-12 3
EDU 645 The Principal as an Instructional Leader 3
EDU 655 School Law: Constitutional Aspects and Cases 3
EDU 657 School Organization and Community Relations 3
EDU 659 Finance/Facilities 3
EDU 666 Supervision of Instruction (Elementary-Secondary) 3
EDU 689 Internship in Administration PK-8 3
EDU 690 Internship in Administration 6-12 3

Electives or Focus Area Requirements, 9-12 credit hours

Choose one of the following..... 9-12
Electives, 9 credit hours
Athletic Administration, 12 credit hours
Special Education Supervision, 9 credit hours

Electives or Focus Area Requirements, 9-12 credit hours

Electives, 9 credit hours

If candidate is only secondary prepared then they must complete EDU 604.

Electives 9
EDU 604 Language Arts in the Elementary and Middle School (3)
EDU 626 Advanced Educational Psychology (3)
EDU 627 Current Issues and Trends in Education (3)
EDU 674 History and Philosophy of Education (3)
EDU 682 Developing and Integrating Technology in the Classroom (3)

Athletic Administration Focus Area, 12 credit hours

Students wishing to complete a Focus Area in Athletic Administration will select 12 hours from the following courses by advisement. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. This focus does not lead to any additional administrative endorsements in Nebraska.

Electives 12
PED 610 Legal Aspects of Sport (3)
PED 612 Advanced Sport Marketing and Promotion (3)
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)
PED 685 Social Issues in Sport (3)

Special Education Supervision Focus Area, 9 credit hours

Students wishing to complete a Focus in Special Education Supervision will take the following 9 hours. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. Persons applying for admission to a program of study for a Special Education Supervisor endorsement in Nebraska must currently have or be eligible to hold a teaching certificate with an endorsement in Special Education; and have completed two (2) years of teaching in an approved or accredited school system.

SPD 636 Social/Emotional Behavior..... 3
SPD 652 Collaboration and Co-Teaching 3
SPD 690 Internship in Special Education Supervision PK-12 3

School Administration/Educational Leadership (PK-8)

School of Education and Behavioral Sciences
Master of Science in Education

This program is designed to prepare the candidate for certification as a school principal, supervisor, department head, activities director, or similar administrative position. To become endorsed, the candidate must have two years of verified successful teaching experience and have completed the Nebraska Department of Education (NDE) required human relations training and special education course requirements.

Student Learning Outcomes

1. Analyze literature to improve educational practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Demonstrate the knowledge and skills to lead and transform schools.

Focus Areas in this Program
Athletic Administration
Special Education Supervision

Associated Degree Programs
Special Education, MSE

Program Admission Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Possess a valid teaching certificate appropriate to the level of preparation or must demonstrate the ability to earn such certificate upon completion of the MSE program (for students seeking Special Education Supervisor (B-12) Field Endorsement they must also have completed two (2) years of teaching in an approved or accredited school system prior to admission to the program).
2. Have an overall minimum GPA of 2.75 in the undergraduate degree and/or graduate transfer credits with a GPA of 3.0 or higher
3. Submit a Statement of Purpose.
4. Submit three (3) required references.

Transfer Credits
A maximum of 18 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Credit that has been applied toward an earned degree will not be accepted except for courses that are a part of the Core Requirements for an MSE in School Administration/Educational Leadership.

Program Requirements, 36-42 credit hours

For more details on program specific requirements, see the MSE in School Administration Handbook.

- Complete required 250 internship hours.
- Complete Comprehensive Exam as the Final Research Requirement.

Core Requirements, 9 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
SPD 611 Organization and Administration of Special Education 3

Content Requirements, 21 credit hours

EDU 610 Elementary School Administration PK-8 3
EDU 645 The Principal as an Instructional Leader 3
EDU 655 School Law: Constitutional Aspects and Cases 3
EDU 657 School Organization and Community Relations 3
EDU 659 Finance/Facilities 3
EDU 666 Supervision of Instruction (Elementary-Secondary) 3
EDU 689 Internship in Administration PK-8 3

Electives or Focus Area Requirements, 9-12 credit hours

Choose one of the following..... 9-12
Electives, 6 credit hours
Athletic Administration, 12 credit hours
Special Education Supervision, 9 credit hours

Electives or Focus Area Requirements, 6-12 credit hours

Electives, 6 credit hours

Electives 6
EDU 604 Language Arts in the Elementary and Middle School (3)
EDU 626 Advanced Educational Psychology (3)
EDU 627 Current Issues and Trends in Education (3)
EDU 674 History and Philosophy of Education (3)

Athletic Administration Focus Area, 12 credit hours

Students wishing to complete a Focus Area in Athletic Administration will select 12 hours from the following courses by advisement. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. This focus does not lead to any additional administrative endorsements in Nebraska.

Electives 12
PED 610 Legal Aspects of Sport (3)
PED 612 Advanced Sport Marketing and Promotion (3)
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)
PED 685 Social Issues in Sport (3)

Special Education Supervision Focus Area, 9 credit hours

Students wishing to complete a Focus in Special Education Supervision will take the following 9 hours. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. Persons applying for admission to a program of study for a Special Education Supervisor endorsement in Nebraska must currently have or be eligible to hold a teaching certificate with an endorsement in Special Education; and have completed two (2) years of teaching in an approved or accredited school system.

SPD 636 Social/Emotional Behavior..... 3
SPD 652 Collaboration and Co-Teaching 3
SPD 690 Internship in Special Education Supervision PK-12 3

School Administration/Educational Leadership (6-12)

School of Education and Behavioral Sciences
Master of Science in Education

This program is designed to prepare the candidate for certification as a school principal, supervisor, department head, activities director, or similar administrative position. To become endorsed, the candidate must have two years of verified successful teaching experience and have completed the Nebraska Department of Education (NDE) required human relations training and special education course requirements.

Student Learning Outcomes

1. Analyze literature to improve educational practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Demonstrate the knowledge and skills to lead and transform schools.

Focus Areas in this Program
Athletic Administration
Special Education Supervision

Associated Degree Programs
Special Education, MSE

Program Admission Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Possess a valid teaching certificate appropriate to the level of preparation or must demonstrate the ability to earn such certificate upon completion of the MSE program (for students seeking Special Education Supervisor (B-12) Field Endorsement they must also have completed two (2) years of teaching in an approved or accredited school system prior to admission to the program).
2. Have an overall minimum GPA of 2.75 in the undergraduate degree and/or graduate transfer credits with a GPA of 3.0 or higher
3. Submit a Statement of Purpose.
4. Submit three (3) required references.

Transfer Credits
A maximum of 18 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Credit that has been applied toward an earned degree will not be accepted except for courses that are a part of the Core Requirements for an MSE in School Administration/Educational Leadership.

Program Requirements, 36-42 credit hours

For more details on program specific requirements, see the MSE in School Administration Handbook.

- Complete required 250 internship hours.
- Complete Comprehensive Exam as the Final Research Requirement.

Core Requirements, 9 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
SPD 611 Organization and Administration of Special Education 3

Content Requirements, 21 credit hours

EDU 611 Secondary School Administration 6-12 3
EDU 645 The Principal as an Instructional Leader 3
EDU 655 School Law: Constitutional Aspects and Cases 3
EDU 657 School Organization and Community Relations 3
EDU 659 Finance/Facilities 3
EDU 666 Supervision of Instruction (Elementary-Secondary) 3
EDU 690 Internship in Administration 6-12 3

Electives or Focus Area Requirements, 6-12 credit hours

Choose one of the following..... 6-12
Electives, 6 credit hours
Athletic Administration, 12 credit hours
Special Education Supervision, 9 credit hours

Electives or Focus Area Requirements, 6-12 credit hours

Electives, 6 credit hours

If candidate is only secondary prepared then they must complete EDU 604.

Electives 6
EDU 626 Advanced Educational Psychology (3)
EDU 627 Current Issues and Trends in Education (3)
EDU 674 History and Philosophy of Education (3)
EDU 682 Developing and Integrating Technology in the Classroom (3)

Athletic Administration Focus Area, 12 credit hours

Students wishing to complete a Focus Area in Athletic Administration will select 12 hours from the following courses by advisement. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. This focus does not lead to any additional administrative endorsements in Nebraska.

Electives 12
PED 610 Legal Aspects of Sport (3)
PED 612 Advanced Sport Marketing and Promotion (3)
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)
PED 685 Social Issues in Sport (3)

Special Education Supervision Focus Area, 9 credit hours

Students wishing to complete a Focus in Special Education Supervision will take the following 9 hours. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. Persons applying for admission to a program of study for a Special Education Supervisor endorsement in Nebraska must currently have or be eligible to hold a teaching certificate with an endorsement in Special Education; and have completed two (2) years of teaching in an approved or accredited school system.

SPD 636 Social/Emotional Behavior 3
SPD 652 Collaboration and Co-Teaching 3
SPD 690 Internship in Special Education Supervision PK-12 3

Special Education

School of Education and Behavioral Sciences
Master of Science in Education

This program is designed for those persons seeking an advanced degree in Special Education. The degree can also lead to initial certification for the Special Education Generalist (K- 12) field endorsement or adding the Special Education Generalist (K-6, and/or 7-12) subject endorsement.

Student Learning Outcomes
In addition to the SLOs common to all MSE programs, this endorsement carries the following additional SLOs.

1. Apply advanced content knowledge to maintain effective educational practices.
2. Create learning environments that promote equitable educational opportunities to meet the needs of diverse student populations.
3. Implement professional practice standards following ethical educational principles.
4. Use evidence-based inclusive practices to develop meaningful learning experiences for students with special educational needs in accordance with relevant legislation.

Focus Areas in this Program
Advanced Study
Generalist Certification
Generalist Initial Certification

Associated Degree Programs
Curriculum and Instruction – Instructional Leadership, MSE
School Administration/Educational Leadership/Special Education Supervision, MSE

Associated Non-Degree Programs
High Ability Education (K-12), supplemental endorsement
Special Education, subject endorsement

Program Admission Requirements
In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Submit official transcripts for all undergraduate and graduate-level coursework.
2. Have at least a 2.75 undergraduate GPA and/or graduate transfer credits with at least a 3.0 GPA.
3. Submit a Statement of Purpose.
4. Submit three (3) required references.

Transfer Credits
A maximum of 18 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Credit that has been applied toward an earned degree will not be accepted except for courses that are part of the Core Requirements for Special Education.

Program Requirements, 36 credit hours

For students who currently hold a teaching certification in Special Education and are seeking advanced study in Special Education at the same level as their current teaching certification do not need to add a focus area and will be classified as Special Education Advance Study.

Core Requirements, 12 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 626 Advanced Educational Psychology 3
EDU 627 Current Issues and Trends in Education 3
EDU 658 Fundamentals of Curriculum Development PK-16 3

Content Requirements, 24 credit hours

SPD 520 Best Practices in Special Education Methods 3
SPD 522 Teaching Exceptional Learners in Inclusive Classrooms 3
SPD 545 Assessment Guiding IEP Development 3
SPD 565 Differentiated Methodology 3
SPD 611 Organization and Administration of Special Education 3
SPD 630 History and Characteristics of Exceptionalities 3
SPD 636 Social/Emotional Behavior 3
SPD 652 Collaboration and Co-Teaching 3

Final Research Requirement

Complete a comprehensive exam or a research paper.

(Optional) Focus Area Requirement, 6-15 credit hours

Select one of the following 6-15
Generalist Certification, 6-12 credit hours
Generalist Initial Certification, 15 credit hours

Focus Area Requirements

Generalist Certification Focus Area, 6-12 credit hours

For students who hold a current teaching certification in an area other than Special Education and want to add a Special Education subject endorsement at either the K-6 and/or 7-12 level; or for students who hold a current teaching certification in Special Education (K-6 or 7-12) and want to add the other subject endorsement level.

Choose one of the following field experience areas 6-12
Practicum Experience, 6 credit hours
Clinical Practice Experience, 6-12 credit hours

Field Experience Area Requirements

Practicum Field Experience Area, 6 credit hours

Practicum Experience allows students to seek endorsement at the same level as their current teaching certification.

SPD 540 Program Design in Special Education 3
SPD 561 Practicum in Special Education 3

Clinical Field Experience Area, 6-12 credit hours

Clinical Practice Experience allows students to seek endorsement at a different level than their current teaching certification. If currently certified PK-3 or Middle Level then students must complete SPD 658 for K-6 subject endorsement and/or SPD 660 for 7-12 subject endorsement.

EDU 545 Preparing for Level 3: Clinical Practice 0
SPD 658 Clinical Practice for Special Education K-6 6
SPD 660 Clinical Practice for Special Education 7-12 6

Generalist Initial Certification Focus Area, 15 credit hours

EDU 525 Preparing for Level 2: Teacher Candidacy 0
EDU 545 Preparing for Level 3: Clinical Practice 0
SPD 561 Practicum in Special Education 3
SPD 658 Clinical Practice for Special Education K-6 6
SPD 660 Clinical Practice for Special Education 7-12 6

Teaching

School of Education and Behavioral Sciences
Master of Arts in Teaching

The Master of Arts in Teaching program is designed to support individuals who hold a baccalaureate degree and wish to become educators through the Nebraska Department of Education's (NDE) Alternative Program Teaching Permit pathways.

Student Learning Outcomes

1. Analyze literature to improve educational practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Utilize evidence-based inclusive practices to develop meaningful learning experiences for students.

Associated Degree Programs

Curriculum and Instruction – Instructional Leadership
School Administration/Educational Leadership
Special Education

Associated Non-Degree Programs

Early Childhood Education (PK-3)
English as a Second Language (PK-12)
Information Technology (PK-12)

External Licensure or Certification Information

To apply for initial certification in Nebraska or add an endorsement to their Nebraska certificate, students must go to The Educator Application and Certification Hub (https://teach.education.ne.gov/).

Program Admission and Participation Requirements

Program Admission Criteria

In addition to the admission and registration procedures that apply to all degree-seeking graduate students, each applicant must:

1. Submit official transcripts from all undergraduate and graduate-level coursework.
2. Have a 2.75 undergraduate GPA or above and/or graduate transfer credits with a GPA of 3.0 or higher.
3. Submit a Statement of Purpose.
4. Submit three required references.

Transfer Credits

A maximum of 18 credit hours, subject to evaluation by the MAT Program Coordinator, may be transferred for only the elective hours required and also only transferred from Chadron State College and/or Peru State College.

Program Requirements, 36 credit hours

Core Requirements, 12 credit hours

Candidates who have been approved for an Alternative Program Teaching Permit – Pathway 5 (https://www.education.ne.gov/tcert/teaching-certificates/teaching-alternative-permit/) (will be required to complete the pre-teaching seminar before beginning any MAT coursework.

EDU 542 MAT Pre-Teaching Seminar 0
EDU 652 Instructional Theory and Practice 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
SPD 522 Teaching Exceptional Learners in Inclusive Classrooms 3
SPD 636 Social/Emotional Behavior 3
EDU 545 Preparing for Level 3: Clinical Practice 0

Content Requirements, 18 credit hours

EDU 557 Human Relations in a Pluralistic Society 1
Electives by advisement 17

Select one of the following 6
EDU 552 Clinical Practice for Elementary School (6)
EDU 554 Clinical Practice for Middle Level (6)
EDU 556 Clinical Practice for Secondary School (6)

Non-Degree Seeking Programs

Certificates of Advanced Studies

Addictions Counseling
Strength and Conditioning
Trauma Counseling

Endorsements

Early Childhood Education (PK-3)
English as a Second Language (PK-12)
High Ability Education (K-12)
Information Technology (PK-12)
Reading Specialist (PK-12)
School Administration/Educational Leadership (PK-12)
School Administration/Educational Leadership (PK-12, Extension from PK-8)
School Administration/Educational Leadership (PK-12, Extension from 6-12)
School Administration/Educational Leadership (PK-8)
School Administration/Educational Leadership (6-12)
Special Education

Addictions Counseling

Counseling Department
School of Education and Behavioral Sciences
Certificate of Advanced Studies

Certificates of Advanced Studies in Counseling are offered to students and professionals who have been accepted and are completing coursework in a graduate counseling program or related field or have a completed graduate degree in counseling or a related field. This coursework is aimed at providing classes typically needed in addition to a graduate counseling degree for application towards Nebraska state licensure for drug and alcohol counseling.

Requirements, 12 credit hours

CSL 541 Dual Diagnosis and Addiction Disorders 3
CSL 545 Clinical Issues in Substance-related and Addictive Disorders 3
CSL 549 Alcohol/Drug Assessment, Case Planning and Management 3

Select one of the following 3
CSL 605 Clinical Psychopharmacology (3)
PSY 540 Psychopharmacology (3)

Early Childhood Education (PK-3)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Supplemental Endorsement

Requirements, 18 credit hours

For students who hold a current Elementary Education teaching certification only.

EDU 605 Curriculum and Methods Appropriate for Ages Birth-8 3
EDU 617 Assessment of Needs for Young Children Birth-8 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
FCS 604 Infants/Toddlers Through Primary Children Birth-8 3
FCS 611 Administration of Early Childhood Education Programs and Coordination of Community Partnerships 3
FCS 616 Early Childhood Practicum and Applied Research 3

English as a Second Language (PK-12)

Language and Literature Department
School of Arts and Humanities
Supplemental Endorsement

Requirements, 15 credit hours

Must hold a valid teaching certificate.

CNA 567 Intercultural Communication 3
EDU 515 ESL Programs, Curriculum, and Assessment 3
EDU 516 ESL Methods and Assessment 3
EDU 517 English as a Second Language Practicum PK-12 3
ENG 526 Linguistic Theory and Applications 3

High Ability Education (K-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Supplemental Endorsement

This is for graduate students who hold a current teaching certification and want to add a K-12 high ability education endorsement.

Requirements, 18 credit hours

SPD 510 Introduction to High Ability Learners 3
SPD 600 Supporting the Social, Emotional, and Guidance Needs of the High Ability Learners 3
SPD 605 Identification and Assessment of High Ability Learners 3
SPD 612 Curriculum Design and Methods for High Ability Learners 3
SPD 622 Program Design for High Ability Learners 3
SPD 633 Practicum in High Ability Learners 3

Information Technology (PK-12)

Computer Technology and Information Systems Department
School of Business and Technology
Supplemental Endorsement

Requirements, 15 credit hours

CIS 554 Technology Platforms: Hardware and Operating Systems 3
CIS 557 Networking and Technology Management 3
CIS 575 Topics in Computer Information Systems 3
CSC 542 Program Design and Documentation 3
CSC 548 Web and Multimedia Content Design and Administration 3

Reading Specialist (PK-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Subject Endorsement

Requirements, 30 credit hours

Two years teaching experience required to add this endorsement through NDE.

Core Requirements, 12 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 652 Instructional Theory and Practice 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
EDU 674 History and Philosophy of Education 3

Content Requirements, 18 credit hours

EDU 642 Foundations of Literacy 3
EDU 647 Instructional Theory and Practice in Literacy 3
EDU 648 Advanced Assessment and Interventions in Literacy 3
EDU 649 Instructional Leadership in Literacy 3
EDU 682 Developing and Integrating Technology in the Classroom 3
EDU 698 Practicum or Seminar 3

School Administration/Educational Leadership (PK-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Endorsement

This program is designed to prepare the candidate for certification as a school principal, supervisor, department head, activities director, or similar administrative position. To become endorsed, the candidate must have two years of verified successful teaching experience and have completed the Nebraska Department of Education (NDE) required human relations training and special education course requirements.

Focus Areas in this Program
Athletic Administration
Special Education Supervision

Transfer Credits
May substitute up to 18 graduate hours from a prior Master's degree.

Program Requirements, 45-48 credit hours

For more details on program specific requirements, see the MSE in School Administration Handbook.

- Completion of a previous Master's program.
- Complete required internship hours.
    - PK-8 and 7-12 each require 250 internship hours.
    - PK-12 requires 400 internship hours.

Core Requirements, 9 credit hours
EDU 603 Introduction to Educational Research and Design 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
SPD 611 Organization and Administration of Special Education 3

Content Requirements, 27 credit hours
EDU 610 Elementary School Administration PK-8 3
EDU 611 Secondary School Administration 6-12 3
EDU 645 The Principal as an Instructional Leader 3
EDU 655 School Law: Constitutional Aspects and Cases 3
EDU 657 School Organization and Community Relations 3
EDU 659 Finance/Facilities 3
EDU 666 Supervision of Instruction (Elementary-Secondary) 3
EDU 689 Internship in Administration PK-8 3
EDU 690 Internship in Administration 6-12 3

Electives or Focus Area Requirements, 9-12 credit hours
Choose one of the following..... 9-12
Electives, 9 credit hours
Athletic Administration, 12 credit hours
Special Education Supervision, 9 credit hours

Electives or Focus Area Requirements, 9-12 credit hours

Electives, 9 credit hours

If candidate is only secondary prepared then they must complete EDU 604.

Electives 9
EDU 604 Language Arts in the Elementary and Middle School (3)
EDU 626 Advanced Educational Psychology (3)
EDU 627 Current Issues and Trends in Education (3)
EDU 674 History and Philosophy of Education (3)
EDU 682 Developing and Integrating Technology in the Classroom (3)

Athletic Administration Focus Area, 12 credit hours

Students wishing to complete a Focus Area in Athletic Administration will select 12 hours from the following courses by advisement. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. This focus does not lead to any additional administrative endorsements in Nebraska.

Electives 12
PED 610 Legal Aspects of Sport (3)
PED 612 Advanced Sport Marketing and Promotion (3)
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)
PED 685 Social Issues in Sport (3)

Special Education Supervision Focus Area, 9 credit hours

Students wishing to complete a Focus in Special Education Supervision will take the following 9 hours. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. Persons applying for admission to a program of study for a Special Education Supervisor endorsement in Nebraska must currently have or be eligible to hold a teaching certificate with an endorsement in Special Education; and have completed two (2) years of teaching in an approved or accredited school system.

SPD 636 Social/Emotional Behavior..... 3
SPD 652 Collaboration and Co-Teaching 3
SPD 690 Internship in Special Education Supervision PK-12 3

School Administration/Educational Leadership (PK-12, Extension from PK-8)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Endorsement

This endorsement is for students who have completed a school administration degree for PK-8 and are seeking to extend the grade level to PK-12.

Requirements, 9 credit hours

EDU 611 Secondary School Administration 6-12 3
EDU 690 Internship in Administration 6-12 3

Elective 3
An elective from any MSE program including Focus Areas and must not have been utilized to fulfill requirements for a prior degree.

School Administration/Educational Leadership (PK-12, Extension from 6-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Endorsement

This endorsement is for students who have completed a school administration degree for 6-12 and are seeking to extend the grade level to PK-12.

Requirements, 9 credit hours

If EDU 604 has been used to fulfill requirements for a previous degree, it must be replaced, and the substituted elective must not have been utilized for a prior degree.

EDU 604 Language Arts in the Elementary and Middle School 3
EDU 610 Elementary School Administration PK-8 3
EDU 689 Internship in Administration PK-8 3

School Administration/Educational Leadership (PK-8)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Endorsement

This program is designed to prepare the candidate for certification as a school principal, supervisor, department head, activities director, or similar administrative position. To become endorsed, the candidate must have two years of verified successful teaching experience and have completed the Nebraska Department of Education (NDE) required human relations training and special education course requirements.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Analyze literature to improve professional practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Demonstrate the knowledge and skills to lead and transform schools.

Focus Areas in this Program
Athletic Administration
Special Education Supervision

Transfer Credits
May substitute up to 18 graduate hours from a prior Master's degree.

Program Admission Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Possess a valid teaching certificate appropriate to the level of preparation or must demonstrate the ability to earn such certificate upon completion of the MSE program (for students seeking Special Education Supervisor (B-12) Field Endorsement they must also have completed two (2) years of teaching in an approved or accredited school system prior to admission to the program).
2. Have an overall minimum GPA of 2.75 in the undergraduate degree and/or graduate transfer credits with a GPA of 3.0 or higher
3. Submit a Statement of Purpose.
4. Submit three (3) required references.

Transfer Credits
A maximum of 18 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Credit that has been applied toward an earned degree will not be accepted except for courses that are a part of the Core Requirements for an MSE in School Administration/Educational Leadership.

Program Requirements, 36-42 credit hours

For more details on program specific requirements, see the MSE in School Administration Handbook.

- Completion of a previous Master's program.
- Complete required internship hours.
    - PK-8 and 7-12 each require 250 internship hours.
    - PK-12 requires 400 internship hours.

Core Requirements, 9 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
SPD 611 Organization and Administration of Special Education 3

Content Requirements, 21 credit hours

EDU 610 Elementary School Administration PK-8 3
EDU 645 The Principal as an Instructional Leader 3
EDU 655 School Law: Constitutional Aspects and Cases 3
EDU 657 School Organization and Community Relations 3
EDU 659 Finance/Facilities 3
EDU 666 Supervision of Instruction (Elementary-Secondary) 3
EDU 689 Internship in Administration PK-8 3

Electives or Focus Area Requirements, 9-12 credit hours

Choose one of the following..... 9-12
Electives, 6 credit hours
Athletic Administration, 12 credit hours
Special Education Supervision, 9 credit hours

Electives or Focus Area Requirements, 6-12 credit hours

Electives, 6 credit hours

Electives 6
EDU 604 Language Arts in the Elementary and Middle School (3)
EDU 626 Advanced Educational Psychology (3)
EDU 627 Current Issues and Trends in Education (3)
EDU 674 History and Philosophy of Education (3)

Athletic Administration Focus Area, 12 credit hours

Students wishing to complete a Focus Area in Athletic Administration will select 12 hours from the following courses by advisement. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. This focus does not lead to any additional administrative endorsements in Nebraska.

Electives 12
PED 610 Legal Aspects of Sport (3)
PED 612 Advanced Sport Marketing and Promotion (3)
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)
PED 685 Social Issues in Sport (3)

Special Education Supervision Focus Area, 9 credit hours

Students wishing to complete a Focus in Special Education Supervision will take the following 9 hours. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. Persons applying for admission to a program of study for a Special Education Supervisor endorsement in Nebraska must currently have or be eligible to hold a teaching certificate with an endorsement in Special Education; and have completed two (2) years of teaching in an approved or accredited school system.

SPD 636 Social/Emotional Behavior..... 3
SPD 652 Collaboration and Co-Teaching 3
SPD 690 Internship in Special Education Supervision PK-12 3

School Administration/Educational Leadership (6-12)

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Endorsement

This program is designed to prepare the candidate for certification as a school principal, supervisor, department head, activities director, or similar administrative position. To become endorsed, the candidate must have two years of verified successful teaching experience and have completed the Nebraska Department of Education (NDE) required human relations training and special education course requirements.

Student Learning Outcomes
In addition to the SLOs common to all education preparation programs, this endorsement carries the following additional SLOs.

1. Analyze literature to improve professional practices.
2. Develop learning environments that promote student achievement.
3. Cultivate professional relationships with all stakeholders.
4. Demonstrate the knowledge and skills to lead and transform schools.

Focus Areas in this Program
Athletic Administration
Special Education Supervision

Transfer Credits
May substitute up to 18 graduate hours from a prior Master's degree.

Program Admission Requirements

In addition to the admission and registration procedures that apply to all degree seeking graduate students, each applicant must:

1. Possess a valid teaching certificate appropriate to the level of preparation or must demonstrate the ability to earn such certificate upon completion of the MSE program (for students seeking Special Education Supervisor (B-12) Field Endorsement they must also have completed two (2) years of teaching in an approved or accredited school system prior to admission to the program).
2. Have an overall minimum GPA of 2.75 in the undergraduate degree and/or graduate transfer credits with a GPA of 3.0 or higher
3. Submit a Statement of Purpose.
4. Submit three (3) required references.

Transfer Credits
A maximum of 18 graduate credits, subject to evaluation by the Dean of Education and Behavioral Sciences, may be transferred from another regionally accredited graduate institution and applied toward a degree. Credit that has been applied toward an earned degree will not be accepted except for courses that are a part of the Core Requirements for an MSE in School Administration/Educational Leadership.

Program Requirements, 36-42 credit hours

For more details on program specific requirements, see the MSE in School Administration Handbook.

- Completion of a previous Master's program.
- Complete required internship hours.
    - PK-8 and 7-12 each require 250 internship hours.
    - PK-12 requires 400 internship hours.

Core Requirements, 9 credit hours

EDU 603 Introduction to Educational Research and Design 3
EDU 658 Fundamentals of Curriculum Development PK-16 3
SPD 611 Organization and Administration of Special Education 3

Content Requirements, 21 credit hours

EDU 611 Secondary School Administration 6-12 3
EDU 645 The Principal as an Instructional Leader 3
EDU 655 School Law: Constitutional Aspects and Cases 3
EDU 657 School Organization and Community Relations 3
EDU 659 Finance/Facilities 3
EDU 666 Supervision of Instruction (Elementary-Secondary) 3
EDU 690 Internship in Administration 6-12 3

Electives or Focus Area Requirements, 6-12 credit hours

Choose one of the following..... 6-12
Electives, 6 credit hours
Athletic Administration, 12 credit hours
Special Education Supervision, 9 credit hours

Electives or Focus Area Requirements, 6-12 credit hours

Electives, 6 credit hours

If candidate is only secondary prepared then they must complete EDU 604.

Electives 6
EDU 626 Advanced Educational Psychology (3)
EDU 627 Current Issues and Trends in Education (3)
EDU 674 History and Philosophy of Education (3)
EDU 682 Developing and Integrating Technology in the Classroom (3)

Athletic Administration Focus Area, 12 credit hours

Students wishing to complete a Focus Area in Athletic Administration will select 12 hours from the following courses by advisement. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. This focus does not lead to any additional administrative endorsements in Nebraska.

Electives 12
PED 610 Legal Aspects of Sport (3)
PED 612 Advanced Sport Marketing and Promotion (3)
PED 631 Seminar in Sport Management (3)
PED 653 Program Management and the Transition of Sport (3)
PED 664 Sport Event and Facility Management (3)
PED 685 Social Issues in Sport (3)

Special Education Supervision Focus Area, 9 credit hours

Students wishing to complete a Focus in Special Education Supervision will take the following 9 hours. Students may use the hours in this focus as substitution for the Core electives in any of the School Administration/Educational Leadership programs of study. Persons applying for admission to a program of study for a Special Education Supervisor endorsement in Nebraska must currently have or be eligible to hold a teaching certificate with an endorsement in Special Education; and have completed two (2) years of teaching in an approved or accredited school system.

SPD 636 Social/Emotional Behavior..... 3
SPD 652 Collaboration and Co-Teaching 3
SPD 690 Internship in Special Education Supervision PK-12 3

Special Education

Educational Foundations and Leadership Department
School of Education and Behavioral Sciences
Subject Endorsement

For students who hold a current teaching certification in an area other than Special Education and want to add a Special Education subject endorsement at either the K-6 and/or 7-12 level; or for students who hold a current teaching certification in Special Education (K-6 or 7-12) and want to add the other subject endorsement level. Total credit hours vary based on current level of certification and level of Special Education subject endorsement desired. This endorsement option does not lead to an MSE and can include undergraduate coursework as approved by an advisor.

Requirements, 42-48 credit hours

Core Requirements, 12 credit hours

Electives 12
Professional education coursework in Human Development and Cognition, Instructional Design, Content Area Methods, and Classroom Management.

Content Requirements, 24 credit hours

SPD 520 Best Practices in Special Education Methods 3
SPD 522 Teaching Exceptional Learners in Inclusive Classrooms 3
SPD 545 Assessment Guiding IEP Development 3
SPD 565 Differentiated Methodology 3
SPD 611 Organization and Administration of Special Education 3
SPD 630 History and Characteristics of Exceptionalities 3
SPD 636 Social/Emotional Behavior 3
SPD 652 Collaboration and Co-Teaching 3

Field Experience Requirement, 6-12 credit hours

Choose one of the following field experience areas 6-12
Practicum Experience, 6 credit hours
Clinical Practice Experience, 6-12 credit hours

Field Experience Area Requirements

Practicum Field Experience Area, 6 credit hours

Practicum Experience allows students to seek endorsement at the same level as their current teaching certification. May select a different special education content course for SPD 540 by advisement.

SPD 540 Program Design in Special Education 3
SPD 561 Practicum in Special Education 3

Clinical Field Experience Area, 6-12 credit hours

Clinical Practice Experience allows students to seek endorsement at a different level than their current teaching certification. If currently certified PK-3 or Middle Level then students must complete SPD 658 for K-6 subject endorsement and/or SPD 660 for 7-12 subject endorsement.

EDU 545 Preparing for Level 3: Clinical Practice 0
SPD 658 Clinical Practice for Special Education K-6 6
SPD 660 Clinical Practice for Special Education 7-12 6

Strength and Conditioning

Health, Human Performance and Sport Department
School of Science, Health and Criminal Justice
Certificate of Advanced Studies

Courses cover advanced topics in Strength and Conditioning including exercise physiology, recovery, training adaptations, sports nutrition, mental performance, exercise technique, testing, periodization, and program design. The courses are designed to assist students in preparing for the NSCA's Certified Strength and Conditioning Specialist (CSCS) exam.

Requirements, 15 credit hours

PED 607 Exercise and Nutrition 3
PED 614 Advanced Exercise Physiology 3
PED 657 Advanced Strength and Conditioning 3
PED 660 Periodization in Strength and Conditioning 3
PED 682 Optimizing Athletic Performance 3

Trauma Counseling

Counseling Department
School of Education and Behavioral Sciences
Certificate of Advanced Studies

This coursework is aimed at providing professional counselors with applicable knowledge to serve clients impacted by trauma. Topics addressed are expected to include professional self-awareness, evidence-based interventions and application, and the integration of physiological responses in mental health treatment. This certificate is designed to be taken online, in one summer with courses divided across terms.

Requirements, 12 credit hours

CSL 606 Professional Preparedness for Trauma Counseling 2
CSL 607 Evidenced Based Practices in Trauma Treatment 2
CSL 608 Special Topics in Trauma 2
CSL 609 Advanced Trauma Counseling 3

Courses

Course Numbering System

100-299 Lower-level
300-499 Upper-level
500-599 Graduate level. May be taken by seniors.
600-699 Graduate level. May not be taken by undergraduates.
700-799 Graduate level. May not be taken by undergraduates. Primarily for education specialists only.

Undergraduate Courses

Special Courses

Special courses may apply to each department.

113 American Culture for Non-native English Speakers 3 Credit hours
This course introduces various aspects of American culture to students whose first language is not English. Course content and activities will vary by instructor and department, but may include readings, films, and field trips.
Notes: This course does not count for General Studies credit.

194, 294, 394 Fundamentals of Professional Practice 0-3 Credit hours
The courses introduce students to multiple aspects of professional practices leading to career and cooperative education readiness. Course content and activities vary each semester but may include workshops, seminars, upskilling modules, employer engagement activities, and class instruction.
Prerequisite: Participating in the "Growing Together Career Scholars" program and instructor permission.
Notes: Topics vary from term to term. This course may be repeated for credit two times.

196, 296, 396, 496 Special Courses 0.5-12 Credit hours
Special topical or regional studies to be offered when justified by student demand or the presence of qualified faculty.
Prerequisite: Department chair approval.
Class fee: Some disciplines may require a class fee.
Notes: This course may be repeated with different topics.

199, 299, 399 International Study 1-12 Credit hours
Prerequisite: Department chair approval.

297, 397 Internship Program 1-12 Credit hours

The internship program is a credit-bearing program providing undergraduate students with the opportunity to integrate career-related work experience with classroom learning. Work experiences occur in positions relevant to a student's major. Internships require a minimum of 45-50 work hours for each 1 hour of credit.
Prerequisite: Approval of the Academic Advisor and/or Department Chair and a minimum 2.0 GPA requirement and/or the eligibility requirements per their department.
Notes: Graded S/NC

368, 468 Workshop 0.5-3 Credit hours

Notes: Advisor approval is suggested for use as possible general elective credit in an undergraduate program. This course may be repeated with different topics.

391, 491 Special Project 1-3 Credit hours

Study of a topic, or a presentation in a special area of interest.
Prerequisite: Instructor or department chair approval.
Class fee: Some disciplines may require a class fee.
Notes: Title of the project will be entered on the permanent record. A maximum of 12 hours to apply toward a major or endorsement is determined by the appropriate department chair.

494 Cooperative Education Program 1-18 Credit hours

Cooperative Education is a credit bearing program providing undergraduate students with the opportunity to integrate a paid, practical career-related work experience with classroom learning. Employment occurs in positions that are relevant to a student's major. Cooperative Education requires a minimum of 45 work hours for 1 hour of credit.
Prerequisite: Program director approval.
Notes: Title of the project will be entered on the permanent record. A maximum of 12 hours to apply toward a major or endorsement is determined by the appropriate department chair.

497 Internship 1-12 Credit hours

The internship program is a credit-bearing program providing undergraduate students with the opportunity to integrate career-related work experience with classroom learning. Work experiences occur in positions relevant to a student's major. Internships require a minimum of 45-50 work hours for each 1 hour of credit.
Notes: Graded A through F.

Limited to Dual Credit Students

ASC 100 Non-Degree: HS Library Students 0 Credit hours

Wayne State College Library access for high school students.
Prerequisite: Dual-credit enrollment.

Limited to Honors Students and Neihardt Scholars

IDS 110 Shapers of the Modern Mind 1 Credit hours

Conducted as a colloquium, this course provides a discussion about great thinkers and ideas that have shaped the modern mind.
Prerequisite: Neihardt Scholars or Honors director approval.
Notes: Topics vary per term.

195 Independent Study 1-3 Credit hours

Advanced reading and research in a special topic will be completed.
Prerequisite: Neihardt Scholar. Advisor, department chair and Honors director approval.

298 Honors Special Topics 1-6 Credit hours

Honors seminar on a topic not traditionally offered within the Honors General Studies curriculum.
Prerequisite: Honors student or instructor approval.
Notes: Topics vary by term. This course may not be repeated.

395 Independent Study 1-3 Credit hours

Advanced reading and research in special problems, resulting in written evidence of quality work completed.
Prerequisite: 3.3 cumulative GPA. Instructor, department chair and Honors director approval.
Class fee: Some disciplines may require a class fee.
Notes: May be repeated up to 6 credit hours.

499 Senior Honors Colloquium 3 Credit hours

Seminar presentations. Students present senior project during honors colloquium presentations on campus either in spring or fall term.
Prerequisite: 3 hours of 395, cumulative GPA of 3.3 or better, and a major GPA of 3.3 or better.
Class fee: Some disciplines may require a class fee.

A

ART 101 Design 3 Credit hours

Study of two-dimensional and three-dimensional design elements and principles applied to imagery and spatial concepts. Emphasis on visual communication and problem-solving through creative thinking, concepts, media, skills, processes, and research. Critical discourse, basic color theory and composition will be integral parts of the course. Students will design a digital portfolio.
Class fee: $45
Notes: 6 hours studio

ART 102 The Visual Arts Experience 3 Credit hours

Designed to enhance the student's awareness, knowledge, and appreciation for the visual arts in various societies. Increase understanding of the historical role the visual arts hold in a global world. Particular emphasis will be placed upon the nature of perception, the visual language of art, the media, and creative processes used.
Notes: ART 102 does not apply to an endorsement, major, or minor in Art.

ART 103 Studio Art for Non-Majors 3 Credit hours

An introduction to foundational materials, methods, and concepts of practice-based studio art, through a variety of 2-dimensional and 3-dimensional media. Particular emphasis will be placed upon media specific hands-on creations that also include study of historic and contemporary artwork. Other topics may include information about artistic career opportunities; as well as, how to develop creativity and critical thinking skills.

Class fee: $45

Notes: 6 hours studio. ART 103 does not apply to an endorsement, major, or minor in Art.

ART 110 Drawing I 3 Credit hours

An introduction to foundational concepts and techniques in the study of line, shape and form, light and shadow, linear and atmospheric perspective. Formal concerns regarding composition will be explored and selection of subject matter will be from the figure, still life, landscape, and nature.

Class fee: $45

Notes: 6 hours studio

ART 111 Drawing II 3 Credit hours

A continuation of drawing techniques as delineated in ART 110. Students will expand upon their background in various drawing media and be challenged by a more intense study of the human figure.

Prerequisite: ART 110

Class fee: $45

Notes: 6 hours studio

ART 200 Sophomore Review 0 Credit hours

A review for sophomores and transfer students who have completed, or are currently enrolled in, ART 101 and 110. This assessment course ensures that students are properly prepared for the rigors of upper-level art classes. Artistic development, professionalism, written and verbal communication skills, and the comprehension of terminology, techniques, and theories are considered. Entering transfer students, meeting all other prerequisites, may enroll in upper-division classes prior to the review. However, transfers must take and pass ART 200 during its soonest offering before enrolling in any subsequent upper-level art classes.

Notes: Graded S/NC

ART 204 Digital Imaging for Graphic Design 2 Credit hours

This course explores the effective use of digital imagery in graphic design. Aesthetic content in the production, manipulation, and presentation of digital images will be stressed. Students will learn creative and exploratory use of digital cameras, scanners, and appropriate computer programs. Utilizes Adobe Photoshop.

Class fee: $45

Notes: 4 hours studio

ART 221 Painting I 3 Credit hours

Concentration on foundational skills using the oil painting medium. Color mixing, sketching for compositional placement, surface applications, and use of materials will be covered. Subject matter will address formal concerns as they relate to representation and abstraction.
Prerequisites: ART 101 and ART 110, or a minor in Art.
Class fee: $45
Notes: 6 hours studio

ART 230 Graphic Design I 3 Credit hours

Course structured to help students gain a working knowledge of the history of the profession of graphic design. Principles of visual design based in basic visual communication, typography, and the professional practice of graphic design will be covered. Development of visual skills is emphasized, using color, form, and composition to aid in message-design strategies. Utilizes Adobe Illustrator.
Prerequisites: ART 204 or a minor in Online and Social Media or Animation for Film and Television, or a major in Computer Information Systems/Web Specialist.
Class fee: $45
Notes: 6 hours studio

ART 231 Graphic Design II 3 Credit hours

This course focuses on the visual aspects of print and electronic communication and identifying when a design is successful. Emphasis on integration of effective and established design principles in layout design. Projects include advertisement, brochure, and poster design. Utilizes Adobe InDesign.
Prerequisites: ART 230 or a minor in Web and Mobile App Design and Development.
Class fee: $45
Notes: 6 hours studio

ART 244 Art History Survey I 3 Credit hours

A survey of painting, sculpture, and architecture from Prehistoric to Gothic.
Notes: Lecture

ART 245 Art History Survey II 3 Credit hours

A survey of painting, sculpture, and architecture from Early Renaissance through the 21st Century.
Notes: Lecture

ART 251 Pottery and Ceramics I 3 Credit hours

Study of the cultural, historical, and geological basis of clay. Foundational methods in both hand-building construction and throwing on the wheel will be introduced. Surface decoration, glazing techniques, and kiln firing processes will be discussed and performed.
Class fee: $45
Notes: 6 hours studio

ART 271 Sculpture I 3 Credit hours
Exploration of basic technical and expressive possibilities in three- dimensional form and space, including woodworking, steel fabrication, and mixed-media assemblage.
Prerequisites: ART 101 and ART 110, or a minor in Art.
Class fee: $45
Notes: 6 hours studio

ART 281 Printmaking I 3 Credit hours
An introduction to printmaking concentrating on relief and screen-printing processes. Utilizing wood, plastics, and silkscreen stencils as matrices, the student will execute a variety of editioned prints in black and white, and color using single block, multiple block, and reductive techniques. Various approaches to registration and color will be presented.
Prerequisites: ART 101 and ART 110, or a minor in Art.
Class fee: $45
Notes: 6 hours studio

ART 302 Ancient Art History 3 Credit hours
Advanced study of the art of the Classical World, focusing on the sculpture, architecture, and painting of ancient Greece and Rome.
Prerequisites: ART 244 and ART 245.
Notes: Lecture

ART 303 Italian Renaissance Art History 3 Credit hours
Advanced study of the art of Italy from the 14th through 17th centuries.
Prerequisites: ART 244 and ART 245.
Notes: Lecture

ART 304 American Art History 3 Credit hours
Advanced study of American art from the Colonial era through the 1920s.
Prerequisites: ART 244 and ART 245.
Notes: Lecture

ART 305 Modern Art 3 Credit hours
Advanced study of European and American art from the mid-nineteenth century through the 1970s.
Prerequisites: ART 244 and ART 245.
Notes: Lecture

ART 306 Contemporary Art 3 Credit hours
Advanced study of global art from the 1970s through the present day.
Prerequisites: ART 244 and ART 245.
Notes: Lecture

ART 307 Special Topics in Art History 3 Credit hours
Advanced study of a specific topic in Art History.
Prerequisites: ART 244 and ART 245.
Notes: Lecture

ART 314 PK-8 Art Curriculum 2 Credit hours

Preparation to teach art and organize appropriate art experiences for students PK-8. The course includes: history and philosophy of art education as it relates to creative experiences for PK-8 students, skills in teaching major concepts reflected in art disciplines, service and community learning, interdisciplinary lesson development, art hazards and safety, and assessment. Current trends and research will be covered.

Prerequisites: ART 101, ART 110, and sophomore/junior standing.

Class fee: $45

Notes: 4 hours studio

ART 315 Art and Creative Processes in Education 2 Credit hours

This course will examine how the visual arts play a crucial role in improving students' ability to use higher-order thinking skills as they draw on a range of intelligences and learning styles for non-verbal literacy. Course content includes creative exploration of art concepts, media and skill development and art hazards awareness through lecture/studio experience. Pedagogical methods will include Discipline-Based Art Education components of criticism, aesthetics, production and history and the integration of Art across the curriculum.

Class fee: $45

Notes: 3 hours lecture and lab combined. Designed for Elementary Education and Special Education majors.

ART 316 Secondary School Art 3 Credit hours

Preparation to teach art and organize appropriate art experiences for the secondary level student, grades 9-12. Includes history and philosophy of art education as it relates to secondary level teaching. Topics to be covered include: teaching art, art hazards, curriculum planning and assessment, studio, lesson plans, current trends, community and service learning, advocacy, developing resource materials, and demonstrated teaching.

Prerequisites: ART 200, ART 314, and junior/senior standing.

Class fee: $45

Notes: 6 hours studio

ART 321 Painting II 3 Credit hours

Advanced painting concepts using the acrylic painting medium; may also include mixed media and/or digital painting. Emphasis will be placed on a variety of techniques which include mixed media. Subject matter will explore modern and contemporary themes and introduce abstraction and non-representation.

Prerequisites: ART 200 and ART 221.

Class fee: $45

Notes: 6 hours studio

ART 322 Mixed Media 3 Credit hours

Students will learn to question the boundaries between painting, drawing, and digital artwork through demonstrations, discussions, and exposure to contemporary and historically relevant mixed media artists. Experimentation, critical thinking, and technical proficiency will be emphasized. Students are expected to be self-directed regarding the selection of subject matter and content, but open to the selection of media; as well as, learning through collaboration.
Prerequisites: ART 111, ART 200, ART 204, and ART 221; or a minor in Art.
Class fee: $45
Notes: 6 hours studio

ART 335 Advanced Typography and Animation 3 Credit hours

Study of type as both a verbal and visual form of communication. A discussion of the art of designing with type, including the planning of typeface, size, and composition. The course also explores the combination of type with illustration, animation, video, and how each can be integrated into a meaningful composite. Projects include simple and complex 2D animations for various audiences and purposes, using typography as a focal point and means of communication. Utilizes Adobe After Effects, Adobe Illustrator, and Adobe Photoshop.
Prerequisites: ART 200 and ART 231; or a minor in Graphic Design or Animation for Film and Television.
Class fee: $45
Notes: 6 hours studio

ART 351 Pottery and Ceramics II 3 Credit hours

A continuation of Pottery and Ceramics I with more advanced wheel and hand building concepts introduced. Students will learn a variety of surface decoration techniques, low and high fire kiln processes, and contemporary issues in clay.
Prerequisites: ART 200, ART 251 and major in Art; or instructor and department chair approval.
Class fee: $45
Notes: 6 hours studio

ART 363 Digital Photography I 3 Credit hours

Offers an opportunity to learn visual communication, recording, expression and appreciation of digital photographic process basics. The course includes photography basics such as composition, lighting, camera care, use of photographic equipment, computer and printing processes, organizational methods, technical terminology, and the introduction to industry standard software to manipulate and enhance digital images.
Class fee: $45
Notes: 6 hours studio

ART 364 Digital Photography II 3 Credit hours

Expansion of the principles and processes introduced in Digital Photography I, with an emphasis on intermediate level photographic production.
Prerequisite: ART 363
Class fee: $45
Notes: 6 hours studio

ART 371 Sculpture II 3 Credit hours

Expansion of the principles and processes introduced in Sculpture I, with an emphasis on traditional and contemporary methods of sculptural production.
Prerequisites: ART 200 and ART 271.
Class fee: $45
Notes: 6 hours studio

ART 381 Printmaking II 3 Credit hours

A further exploration of printmaking concentrating on intaglio processes. Students will primarily explore dry point, hard and soft ground etching, and aquatint and various approaches to monochrome and polychrome printing. Collography and intagliotype printmaking will be introduced.
Prerequisites: ART 200 and ART 281.
Class fee: $45
Notes: 6 hours studio

ART 403 App Design and Prototyping 3 Credit hours

This course will explore how the design concepts, principles, and processes of graphic design can be applied to the design and prototyping of mobile apps. Projects include creating a concept for how users will explore a product or experience and how the app will communicate visually with the user, followed by creating a functional app prototype. Utilizes Figma, Adobe After Effects, and various prototyping applications.
Prerequisites: ART 335 or a minor in Web and Mobile App Design and Development.
Class fee: $45
Notes: 6 hours studio

ART 405 Web Design for the Graphic Designer 3 Credit hours

This course is designed as an introduction to design and development for the Web, with a focus on the specific needs of the graphic designer. Emphasis is on fundamental technical implementation, including current HTML, CSS, and the basics of JavaScript and JavaScript libraries. Topics include page design, responsive design, and content planning. Utilizes Figma and various code editors.
Prerequisite: ART 403
Class fee: $45
Notes: 6 hours studio

ART 410 Interaction Design 3 Credit hours

This course focuses on developing an understanding of design from the point of view of those who will use it. Emphasis is on an iterative process of designing and user-testing, as well as gaining an understanding of human-centered design. Human-centered design is a process of idea-generation, prototyping, user feedback, and observation that can enable us to create successful designs that people use and enjoy. Utilizes Figma and various code editors.
Prerequisite: ART 405
Class fee: $45
Notes: 6 hours studio

ART 411 Senior Portfolio 1 Credit hour

This course is designed to concentrate on preparing the student to compete in the job market. Topics include: 1) Portfolio development, 2) Practical considerations in interviewing skills, 3) Self-promotion and developing contacts. Students will make arrangements, advertise, and present their individual portfolios at a Senior Portfolio public presentation.
Prerequisite: ART 403
Class fee: $45

ART 420 Advanced Problems in Digital Photography 3 Credit hours

A further exploration of approaches to photography with an emphasis on the self-directed research interests of the student.
Prerequisite: ART 364
Class fee: $45
Notes: 6 hours studio. This course may be repeated for a total of 6 hours.

ART 421 Advanced Problems in Painting 3 Credit hours

Emphasis will be on self-direction regarding the selection of subject matter and media. Experimentation, critical and independent thinking, technical proficiency, and alliance with contemporary art issues are emphasized.
Prerequisite: ART 321
Class fee: $45
Notes: 6 hours studio. This course may be repeated for a total of 6 hours. Additional hours may be taken as ART 491 Special Project in Painting.

ART 440 Multicultural Arts 3 Credit hours

The student will become more aware of the arts in global cultures from ancient to modern times for purposes of identity, understanding, and expression of our inheritance as world citizens. The cultural and ethnic differences will be stressed enough through readings, discussions, and studio experiences emphasizing the arts as the expressions of these eras.
Prerequisite: Junior/senior standing
Class fee: $45
Notes: 6 hours studio

ART 451 Advanced Problems in Pottery and Ceramics 3 Credit hours

Emphasis will be on self-direction in the selection of utilitarian or sculptural areas to pursue in clay. Experimentation, critical thinking, technical proficiency, and alliance with contemporary art issues are emphasized.
Prerequisite: ART 351 and a major in Art; or instructor and department chair approval.
Class fee: $45
Notes: 6 hours studio. This course may be repeated for a total of 6 hours. Additional hours may be taken as ART 491 Special Project in Pottery and Ceramics.

ART 471 Advanced Problems in Sculpture 3 Credit hours

Significant problems in the realization of sculpture based on individual concepts and advanced applications of sculptural processes. Expanded media and safe studio operations will be explored through research.

Prerequisite: ART 371

Class fee: $45

Notes: 6 hours studio. This course may be repeated for a total of 6 hours. Additional hours may be taken as ART 491 Special Project in Sculpture.

ART 481 Advanced Problems in Printmaking 3 Credit hours

A further exploration of approaches to printmaking based on the student's special interest and skills. Photo processes will be more fully presented and experimentation with additional processes related to the individual's approach to imagery will be pursued.

Prerequisite: ART 381

Class fee: $45

Notes: 6 hours studio. This course may be repeated for a total of 6 hours. Additional hours may be taken as ART 491 Special Project in Printmaking.

ART 490 Senior Exhibit 1 Credit hour

Students will read appropriate materials, assist in mounting exhibits, design fliers, write press releases and coordinate publicity. The experience will culminate in the student's senior exhibition.

Class fee: $45

Notes: Students with a significant number of upper-level studio courses can register with instructor's permission following art department's approval.

ART 492 Gallery Assistant 1 Credit hour

This course focuses on the process of mounting an art exhibition, from de-installation to installation. Students will learn the practical aspects of working with art objects, as well as the aesthetic and didactic considerations in staging an exhibition. Students will assist with the installation and curation of the three exhibitions held in the Nordstrand Visual Arts Gallery each semester.

Prerequisite: Instructor approval.

ART 497 Art Internship 1-12 Credit hours

The internship program is a credit bearing program providing undergraduate students with the opportunity to integrate career-related work experience with classroom learning. Work experiences occur in positions relevant to a student's major. Internships require a minimum of 40-50 work hours for each 1 hour of credit. Contact the Career Services office, your Academic Advisor or Department Chair for specific details.

Prerequisite: Academic advisor and/or department chair approval.

Notes: Regular Letter Grade

B

BIO 102 Biology for General Studies 3 Credit hours

Selected topics in Biology to be presented by the laboratory-oriented approach, and in compliance with the requirements of General Studies.

Notes: 4 hours lecture and lab combined. Does not apply to any major, minor, or endorsement in any science area (BIO, CHE, EAS, NAT) unless specified.

BIO 104 Environmental Concerns for General Studies 3 Credit hours

Selected topics of Environmental Concerns to be presented by the laboratory-oriented approach, and in compliance with the requirements of General Studies.

Notes: 4 hours lecture and lab combined. Does not apply to any major, minor, or endorsement in any science area (BIO, CHE, EAS, NAT) unless specified.

BIO 108 Medical Terminology 1 Credit hour

An introductory study of the prefixes, suffixes, and root words of medical terms commonly used by health professionals.

BIO 110 Biology Concepts 4 Credit hours

A study of the microscope, basic cell structure and function, DNA replication, mitosis, meiosis, genetics, evolution, population biology, and diversity.

Prerequisite: One year of high school Biology or BIO 102.

Class fee: $30

Notes: 3 hours lecture, 3 hours lab. The first course for biology majors. A grade of C- or better in this course is a prerequisite for all biology courses in the biology concentration.

BIO 145 Environmental Studies Seminar 1 Credit hour

A discourse on environmental problems and opportunities through research, discussion, and guest lectures.

Notes: This course may be repeated for a total of 2 hours.

BIO 200 Zoology 4 Credit hours

A study of the principles of biology as they apply to the uniformity, diversity, and organization of the animal kingdom.

Prerequisite: A “C-” or better in BIO 110.

Class fee: $30

Notes: 3 hours lecture, 3 hours lab

BIO 210 Experimental Plant Science 4 Credit hours

A study of the principle of biology through an investigation into the molecular, anatomical, and morphological diversity of the non-animal Eukarya. Students will use laboratory methodology and scientific inquiry to understand plant structure, function, and evolution. Topics related to the human use of plants including phytopharmacology, ethnobotany and plant biotechnology will also be examined.
Prerequisite: A "C-" or better in BIO 110.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

BIO 220 Human Anatomy 4 Credit hours

Study of the anatomic structure of the human organism. The 11 organ systems of the human and representative quadrupeds will be examined in detail with lecture, dissection, and other laboratory exercises. Dissection is required of all students taking this course. An understanding of human anatomy is beneficial for students that will ultimately enroll in advanced courses of cell biology, histology, comparative vertebrate embryology and anatomy, and parasitology. Having training in human anatomy is also beneficial for students interested in health-related and biomedical careers.
Prerequisite: A "C-" or better in BIO 110.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

BIO 230 Bioethics 3 Credit hours

Students will examine the science that gives rise to current bioethical dilemmas. Scientific advances in human reproductive technologies and genetic engineering, organ transplantation, informed consent, animal and human research, professional responsibility, and the ethical relationship of human beings to the non-human environment will be considered. Problem-solving exercises and case studies are integral components of this course.

BIO 280 Biology in Society – Honors 3 Credit hours

An investigation of biological principles, as well as their applications and impacts in society. Discussion and laboratory topics include evolution, biodiversity, and recombinant DNA technology.
Notes: 4 hours lecture and lab combined

BIO 301 Biology Seminar 1 Credit hour

Lecture and discussion of topics relevant to the science and practice of biology.
Prerequisite: A "C-" or better in BIO 110.
Notes: Topics vary based on the faculty member leading the course. This course may be repeated up to a total of 4 hours, by advisement, when no duplication of topic exists but a maximum of only two credit hours can count towards any Life Sciences major.

BIO 320 Molecular Genetics 4 Credit hours

A study of the mechanisms of inheritance, the molecular basis of gene action and the use of molecular techniques and molecular technology in biomedical, agricultural, and industrial research. The lab component of this course focuses on hands-on use of molecular equipment and technologies used in graduate and industrial molecular based research.
Prerequisites: CHE 106 and a "C-" or better in BIO 110.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

BIO 325 Ecology 4 Credit hours

An evolution-based study of the interrelationships of organisms and their environment.
Prerequisite: 8 hours of Biology.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

BIO 330 Histology 3 Credit hours

Study of the structure and function of cells and tissues of the human organism. Light microscopy and digital histology slides of human and other vertebrate organs and tissues will be studied. Tissue morphology and histo-pathology will be discussed along with relevant clinical considerations. An understanding of human anatomy would be beneficial to students taking this course. Histology is highly recommended for students interested in health-related, biomedical, and biological careers.
Prerequisite: BIO 110
Class fee: $30
Notes: 3 hours lecture and lab combined

BIO 336 Cancer Biology 3 Credit hours

This course will provide an overview of the biology and pathology of cancer. Lecture and discussion will include the various molecular and genetic changes that occur when a cell transforms from a normal to a malignant cancer cell. Changes in cancer prevalence over time, as well as current prevention measures, diagnostics, and treatments, will also be discussed.
Prerequisite: A "C-" or better in BIO 110; BIO 320 recommended.

BIO 340 Human Physiology 4 Credit hours

A study of the fundamental physiological processes of the human body. Functions of the 11 organ systems will be studied.
Prerequisites: BIO 220, CHE 106, and a "C-" or better in BIO 110.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

BIO 345 Conservation Biology 3 Credit hours

A study of the science and practical strategies involved in the conservation of biodiversity and the natural environment. Students will gain an understanding of the challenges and opportunities in today's conservation landscape.
Prerequisite: Junior standing or instructor approval.

BIO 346 Animal Behavior 3 Credit hours

An ecological and evolutionary perspective on mechanisms (genetics, neurobiology, endocrinology) and development (learning, cultural transmission) of foraging, mating, sociality, aggression, and cooperation behaviors in animals.
Prerequisite: BIO 200
Class fee: $30
Notes: 3 hours lecture and lab combined

BIO 370 Introduction to Research 2 Credit hours

This course is designed for Biology majors as an introduction to scientific writing, library research, data collection and data analysis. The student will be expected to use the skills learned in this course to establish a proposal for a research project for BIO 465 and BIO 470.
Prerequisites: A "C-" or better in BIO 110, and 8 hours of Biology.

BIO 385 Microbiology 4 Credit hours

Topics of study detail the structure and physiology of microorganisms including mechanisms of pathogenesis. Beneficial aspects of microorganisms are also discussed with regard to both the human body and the environment. Lab techniques include microbial identification, enumeration procedures and student designed research.
Prerequisites: A "C-" or better in BIO 110, and CHE 106.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

BIO 393 Laboratory Techniques 1 Credit hour

Assisting in the preparation and evaluation of laboratory activities.
Prerequisites: Junior standing and instructor approval.
Notes: This course may be repeated for a total of 2 hours.

BIO 400 Advanced Zoology 3 Credit hours

A laboratory and field course oriented on the morphology, taxonomy, and ecology of selected animal groups such as insects, fish, reptiles and amphibians, mammals, or other groups.
Prerequisite: BIO 200
Class fee: $30
Dual-listed: BIO 500
Notes: 3 hours lecture and lab combined. Title will vary with offering.

BIO 405 Advanced Plant Biology 3 Credit hours

Classification, structure, and/or physiology of plants and plant- like organisms.
Prerequisite: BIO 210
Class fee: $30
Dual-listed: BIO 505
Notes: 3 hours lecture and lab combined. Title will vary with offering.

BIO 406 Great Plains Flora 3 Credit hours

The identification and characterization of dominant vascular plant species in the Great Plains region. Plant morphological terminology, family identification characteristics, dichotomous keys, plant collection techniques, and an introduction to plant systematics will be used for the purpose of classifying plants. The ability to identify plants is critical for Wildlife Biology, Forestry, Range Management, Agronomy, Horticulture, and other natural resource fields.
Prerequisite: BIO 210
Class fee: $30
Dual-listed: BIO 506
Notes: 3 hours lecture and lab combined

BIO 409 Comparative Embryology and Anatomy 4 Credit hours

A comparative study of vertebrate embryonic development and anatomy with emphasis on morphogenesis, function, and evolution of organ systems.
Prerequisites: BIO 110 and CHE 107.
Notes: 3 hours lecture, 3 hours lab

BIO 415 Wildlife Management 4 Credit hours

Theory and methods of managing wildlife populations through habitat manipulations, population management and policy. Includes lecture and activities including field work and computer modeling. Course topics will include advanced ecology topics, conservation theory and practice, population census methods, age structure, adaptive management, wildlife harvesting and damage control, and ecosystem management and conservation topics.
Prerequisite: A “C-” of better in BIO 110; BIO 325 is recommended.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

BIO 425 Evolution 3 Credit hours

The study of the history of evolutionary thought. The course will explore the evidence for evolution by examining the fossil record, comparative anatomy/physiology, and model field studies. Students will learn the model systems demonstrating the mechanisms that drive evolution: mutation, selection, genetic drift, gene flow, and inbreeding. Students are required to conduct research projects requiring quantitative analysis of evolutionary and ecological data. Evolution is a unifying theme in biology which integrates knowledge from all biological disciplines.
Prerequisites: BIO 200, BIO 210, and BIO 320.
Class fee: $30
Notes: 3 hours lecture and lab combined

BIO 430 Parasitology 3 Credit hours

Study of animal parasites and the effects they have on their hosts. Studies in this course center on parasites of humans, other vertebrates, and invertebrates. Taxonomy, morphology, development, physiology, identification, epidemiology, and pathogenesis are emphasized. An understanding of human anatomy and histology would be beneficial to students taking this course. Parasitology is highly recommended for students interested in health-related, biomedical, and biological careers.
Prerequisite: BIO 110
Class fee: $30
Dual-listed: BIO 530
Notes: 3 hours lecture and lab combined

BIO 434 Advanced Cellular Biology 3 Credit hours

An advanced study of the structure and function of the eukaryotic cell. Topics will include the basics of modern cell biology including signal transduction, cell cycle regulation, and gene expression.
Prerequisites: BIO 320 and CHE 107.
Class fee: $30
Dual-listed: BIO 534
Notes: 4 hours lecture and lab combined

BIO 443 Advanced Human Anatomy 3 Credit hours

Under close supervision, students will dissect a human cadaver and prepare anatomical specimens. Students will learn proper dissection techniques and expand on their basic knowledge of human anatomy using a team-based approach.
Prerequisite: Instructor approval.
Class fee: $30
Notes: 3 hours lecture and lab combined

BIO 451 Advanced Ecology 3 Credit hours

The study of interrelationships of organisms to their environment in terrestrial and freshwater habitats.
Prerequisite: BIO 325
Class fee: $30
Dual-listed: BIO 551
Notes: 3 hours lecture and lab combined. Title will vary with offering.

BIO 465 Continuing Research 1 Credit hour

This course is a continuation of BIO 370. Students taking this course will be actively involved in research under their chosen advisor. This course is to be taken after BIO 370 but prior to BIO 470.
Prerequisites: A “C-” or better in BIO 110, and BIO 370.

BIO 469 Senior Seminar in Biology 1 Credit hour

Students will develop an oral and written presentation of their Biology Internship experience. Students will incorporate current research literature into their presentations.
Prerequisite: BIO 370 and BIO 397.

BIO 470 Research Project 1 Credit hour
This course is a continuation of BIO 370 and 465. Students will take this course as a means of completing their individual research project under the direction of a chosen instructor. A presentation of this research in both oral and written form is required at the conclusion of the course.
Prerequisites: A "C-" or better in BIO 110, BIO 370, and BIO 465.

BIO 486 Immunology 3 Credit hours
The topics for this course will include the biological, physical and chemical properties of antigens and antibodies, host-antigen interaction, humoral and cellular response mechanisms, serologic reactions, mechanisms of antibody formation, hypersensitivity and the role of the immune response in cancer and organ transplants.
Prerequisite: A "C-" or better in BIO 110; BIO 320 is recommended.
Dual-listed: BIO 586
Notes: 3 hours lecture and lab combined

BUS 122 Personal Finance in Modern Society 3 Credit hours
A study of how the interconnected socioeconomic, business, financial, and informational systems affect our personal lives as well as the culture in which we live. Students will be encouraged to develop and articulate a personal perspective on the financial aspects of their lives.

BUS 142 Survey of Accounting 3 Credit hours
A course for non-business majors to study the role of accounting as an information development and communication function that supports economic decision-making. This restricted overview of accounting emphasizes development of knowledge and skills to perform basic financial analysis, derive financial information for personal or organizational decisions, and utilize information for better understanding of business, governmental, and other organizational entities.

BUS 208 Business Communications 3 Credit hours
Development of critical communication skills used in business and industry. Emphasis on assisting Business students to become more effective and efficient writers. Includes instructions, reports, memos, and letters.
Prerequisite: ENG 102

BUS 222 Business Law I 3 Credit hours
Introduction to the study of law, the law of contracts, agency and employment, negotiable instruments, personal property and bailments, and the laws governing the sale of goods.

BUS 223 Business Law II 3 Credit hours
The law of partnerships and corporations, real property and leases, insurance and security devices, bankruptcy, trusts and estates, and government regulations.

BUS 226 Business Statistics 3 Credit hours
A study of the following statistical tools as applied to the business and economic milieu: collection and presentation of data, distributional measurements, probability and sampling, statistical inferences, linear regression and correlation, analysis of variance, and selected nonparametric statistics.
Prerequisite: MAT 105 or General Studies Math requirement.

BUS 240 Accounting I 3 Credit hours

A study of the role of accounting in the business environment. Emphasis is on applying basic terminology, concepts, processes, and outputs of the modern accounting system; development of an understanding of the nature and purpose of the major financial statements; and development of the ability to evaluate financial accounting information in problem-solving and decision making.

BUS 241 Accounting II 3 Credit hours

Continuation of BUS 240. Emphasis is on further study of items reported within major financial statements and development of the ability to evaluate managerial accounting information in problem-solving and decision making.
Prerequisite: BUS 240

BUS 260 Management Theory and Practice 3 Credit hours

Develops the management art and science of planning, organizing, actuating, and controlling through people to make ideas materialize within economic constraints of a business enterprise. Develops ability to construct policy, to make scientifically-sound decisions within that policy, and to establish ethical procedures to insure organized productive effort to intended objectives. Develops a management attitude, outlook, and ability.

BUS 262 International Business 3 Credit hours

Survey of the problems and opportunities involved in conducting business operations across national boundaries. Analysis of the concepts, tools, institutions, and environmental factors controlling international flows of money, personnel, information, goods and services.

BUS 270 Principles of Marketing 3 Credit hours

This course facilitates students in conquering the essential concepts of product, price, promotion, distribution, segmentation, ethics, and social responsibility, while addressing the evolving digital and social media influences. The fundamentals will be stressed allowing for useful decision processes by managers while encouraging the development of the marketing specialist as one of the key decision makers in a firm. Marketing is critical to implementing strategy, gaining competitive advantages, and ensuring positive organizational results.

BUS 307 Office Systems and Technologies 3 Credit hours

Business procedures applicable to the secretarial, office management, and/or business education professions. Emphasizes practical application of office skills and knowledge, including proficiency in Microsoft Office Suite applications in Word, Publisher, PowerPoint, Excel, Access, OneNote, digital media, cloud computing, and emerging technologies.

BUS 322 Managerial Finance 3 Credit hours

A study of the financial function within a business enterprise. Areas addressed include financial analysis, working capital management, capital budgeting, sources and forms of long-term financing, financial structure, and cost of capital.
Prerequisites: BUS 226, and BUS 241 or BUS 142.

BUS 324 Intermediate Managerial Finance 3 Credit hours

Students who have completed introductory studies in accounting, economics, business law, statistics, and managerial finance will apply these concepts to the problems of financing business organizations. The following topics will be covered: theory of capital budgeting, cost of capital, capital structure, working capital, and such special topics as mergers, leasing, and multinational finance.
Prerequisites: BUS 322 and admission to the business administration program.

BUS 325 Principles of Insurance 3 Credit hours

A study of the field of insurance, insurance practices, insurable risk, and the basic provisions of various types of insurance—casualty, accident, health, and life.

BUS 327 Principles of Real Estate 3 Credit hours

A study of the character of land, real estate markets, ownership, interests, legal instruments, contracts, closing transfers, financing, brokerage, and management.
Prerequisite: Sophomore standing.

BUS 335 Real Estate Sales and Brokerage 3 Credit hours

This course educates both the licensed and unlicensed to the statutes, rules and regulations, and Fair Housing laws enforced by the State of Nebraska/Nebraska Real Estate Commission regarding real estate sales and brokerage. The course focuses on sales and brokerage techniques and training, including prospecting for listings, qualifying buyers, showing properties, closing the sale, completing legal documents, and other aspects integral to success in real estate sales as a professional endeavor. The course provides foundation knowledge and skills to prepare students to take/pass the Nebraska AMP Real Estate license exam. The course meets 3 semester hours credit of pre-licensing education required for those seeking real estate licensure in Nebraska. The course does NOT meet Distance and Continuing Education for existing licensees.
Prerequisite: Sophomore standing.

BUS 336 Farm and Ranch Management 3 Credit hours

The application of economic concepts and business principles involved in the decision-making process of managing a farm or ranch.
Prerequisite: Admission to the business administration program.

BUS 340 Internal Financial Reporting 3 Credit hours

Study of cost management systems and how accounting information is used within organizations to solve problems, make decisions, and define organizational strategies. Topics include cost determination for products, services, processes, departments, and activities; budgeting; performance evaluation; situational analysis and decision making; and professional ethics.
Prerequisites: BUS 241 and admission to the business administration program.

BUS 342 Accounting Information Systems 3 Credit hours

Introduction to Access or demonstrated computer literacy in database software. An analysis of the modern accounting system with emphasis on design, documentation, and implementation of an appropriate accounting system for a firm. The course includes a study of a firm's information needs and internal control requirements, the use of microcomputer software packages, and the use of the case (or project) technique requiring both written and oral presentation of results.
Prerequisites: BUS 340 and admission to the business administration program.

BUS 343 Managerial Accounting 3 Credit hours

Emphasizes the analysis of accounting information. Examines the information developed in accounting systems and how this information is utilized in the decision-making process.
Prerequisites: BUS 241 and admission to the business administration program.

BUS 344 Financial Accounting and Analysis 3 Credit hours

Further study of accounting measurement and reporting practices underlying financial statements. Topics include measurement and reporting of financial statements' components, usefulness and limitations of financial statements, adjustment of financial statements to enhance their economic content for analysis, procedures for analysis, use of financial disclosures in analysis, and interpretation of analysis results.
Prerequisites: BUS 241 and admission to the business administration program.

BUS 347 External Financial Reporting 3 Credit hours

In-depth study of accounting theory and practice with particular emphasis on reporting via the four financial statements. Extensive coverage of the statement of cash flows as well as reporting for cash; receivables; inventories; property, plant, and equipment; and intangibles. Includes an introduction to accounting standards research and an introduction to international accounting standards.
Prerequisites: BUS 241 and admission to the business administration program.

BUS 348 External Financial Reporting Standards 3 Credit hours

In depth study of accounting theory and practice with particular emphasis on researching and applying accounting standards to various business situations. Coverage of reporting for current liabilities, bonds, equity, leases, deferred income tax, and post-employment benefits. Includes application of international accounting standards.
Prerequisites: BUS 347 and admission to the business administration program.

BUS 350 Managing Behavior in Organizations 3 Credit hours

This course prepares students to lead and manage organizations in a highly competitive environment. Students will understand and identify methods for improving and maintaining aspects of individual and organizational performance. The course includes an examination of management and the applied behavioral sciences; organizational goals, training and performance; organizational culture; motivation and behavior; building effective relationships; planning and implementing change; leadership strategies; and integrating situational leadership.

BUS 352 Operations and Supply Chain Management 3 Credit hours

Successfully managing operations is vital to the long-term viability of every type of organization. This course provides a broad overview of issues in operations and supply chain management emphasizing a strategic orientation toward design and improvement issues. Specific topics include competitiveness; operations strategy; quality management; statistical process control; design of products, services, processes, and facilities; forecasting; supply chain management; logistics; project management; inventory management; lean production; and scheduling.

BUS 356 Conflict Management 3 Credit hours

This course will introduce students to an analysis of conflict. Students will explore questions such as: What is conflict? How do different people respond to conflict? What are the costs of conflict in a person's life and in the workplace? When is conflict constructive and when is it destructive? Further, students will learn the best tools for resolving conflict in community, corporate, organizational, legal, and interpersonal settings.
Prerequisite: Admission to the business administration program.

BUS 357 Negotiations 3 Credit hours

Students in this course will learn about conflict, conflict resolution and negotiations. Students will learn and exercise tactics to become better negotiators. During the course students will study the concepts, engage in exercises, and participate in simulated negotiations.
Prerequisite: Admission to the business administration program.

BUS 366 Management Science 3 Credit hours

Application of quantitative and analytical approaches to management problems within a theoretical framework and behavioral background developed.
Prerequisites: BUS 226 and admission to the business administration program.

BUS 367 Foundations of Human Resource Management 3 Credit hours

This course identifies the foundations of human resources in an organizational setting. The course introduces students to the history of human resource management and its role, and provides an overview of human resource management including: workforce planning and employment; employee recruitment, selection, orientation, performance appraisals; human resource development; job analysis and design; compensation and benefits; employee relations; and Human Resource Information Systems (HRIS).

BUS 372 Selling and Sales Management 3 Credit hours

The philosophy and tools of relationship selling are stressed in this course. Use of current sales research with interactive direct sales techniques and training will develop the student's fundamental sales skills while providing the foundation for career advancement as a sales executive. The sales executive's duties and responsibilities include planning, recruiting, and training of the sales force.
Prerequisites: BUS 270 and admission to the business administration program.

BUS 373 Marketing with Social Media 3 Credit hours

Students will develop a foundation in the essentials of marketing within social media. Designing, developing, and creating social media marketing strategies and campaigns will be the focus of this course. Students will learn key marketing concepts utilizing the major and current social media platforms in the industry.

Prerequisites: BUS 270 and admission to the business administration program.

BUS 374 Advertising and Integrated Marketing 3 Credit hours

Through study of the most dynamic and revolutionary concepts of advertising and integrated marketing, students will become leaders in using the major marketing communication tools of advertising, direct marketing, sales promotion, public relations, personal selling, internet, and social media and mobile marketing. Utilizing an integrated marketing communications (IMC) planning model, students will gain the skills necessary to research and evaluate a company's marketing and promotional situation and use various methods to develop effective communication strategies and programs to achieve the organization's marketing objective.

Prerequisites: BUS 270 and admission to the business administration program.

BUS 383 Principles of Transportation 3 Credit hours

Economic, operating, and service characteristics of the various modes of transportation, with emphasis on factors that influence transportation demand, costs, market structures, carrier pricing, and carrier operating and service characteristics and their influence on other supply chain cost and supply chain performance.

Prerequisite: Admission to the business administration program.

BUS 384 Principles of Purchasing and Supply Management 3 Credit hours

Sourcing strategies, concepts, tools, and dynamics in the context of the integrated supply chain. Topics include: make or buy decisions, supplier evaluation and selection, global sourcing, the total cost of ownership, contracts, and legal terms, negotiations, purchasing ethics, and information systems.

Prerequisite: Admission to the business administration program.

BUS 408 Business Ethics 3 Credit hours

This course will examine theoretical structures that shape or influence Western thought and review specific professional codes of ethics relevant to business majors. Students will learn a decision-making framework for examining and articulating well-reasoned positions on ethical issues in business.

BUS 418 Legal Environment of Business 3 Credit hours

This course focuses on public, administrative, and regulatory law, and the relationship of business to the legal structure. Topics include employee and consumer protection, environmental regulation, labor law, monopolies, price-fixing, and the regulation of domestic and international trade.

BUS 420 Strategic Management 3 Credit hours

Involves analysis of cases in which knowledge from basic courses in marketing, accounting, finance, management, and economics is integrated and applied. Demonstrated interrelationship between the functions of business, complexities of business problems, and strategic management models are addressed.

Prerequisites: BUS 270, 322, 352, admission to the business administration program; or instructor approval, and completion of 105 semester credit hours.

BUS 423 Advanced Managerial Finance 3 Credit hours

Advanced development of the finance specialization with major emphasis on the theoretical issues. Topics include risk and return, forecasting techniques, capital budgeting, and financial structure. Theory will be combined with application using case analysis.

Prerequisites: BUS 324 and admission to the business administration program.

BUS 424 Investments 3 Credit hours

Topics include types of securities, security prices and markets, economics of personal selection of securities, outlook for specific industries.

Prerequisites: BUS 322 and admission to the business administration program.

BUS 427 Bank Management 3 Credit hours

This course studies banking from a commercial bank perspective. Topics include bank asset-liability management; policies and practices for reserves, loans, and investments; new problems and innovations; and internal factors.

Prerequisites: BUS 322 and admission to the business administration program.

BUS 431 Accounting Analytics 3 Credit hours

Exploration of techniques applied to accounting data and big data to provide insights regarding key performance indicators, financial statement forecasting, business valuation, earnings management detection, and fraud detection.

Prerequisites: BUS 348 and admission to the business administration program.

Dual-listed: BUS 531

BUS 432 Agricultural Marketing and Pricing 3 Credit hours

The structure of pricing and output decisions are explored within the context of agricultural commodity markets. The marketing of commodities through supply chains will be analyzed. Topics to be discussed will include futures markets, options markets, and risk analysis.

Prerequisites: ECO 203 or instructor approval, and admission to the business administration program.

BUS 434 Agricultural Policy 3 Credit hours

An examination and analysis of the current policies related to the agricultural sector.

Prerequisites: ECO 365 or ECO 375, or instructor approval, and admission to the business administration program.

BUS 435 Student to Business Consulting 3 Credit hours

Provides intensive management counseling for small businesses utilizing qualified college students in business disciplines under faculty guidance. The students meet frequently over the course of a full semester (or more) with the small business owner to identify and solve management problems. A detailed case report is written and given to the client.
Prerequisites: Department chair approval and admission to the business administration program.

BUS 437 Fraud Examination and Forensic Accounting 3 Credit hours

Focuses on developing understanding of the types of fraud and why people commit fraud, preventing fraud, detecting fraud, conducting a fraud investigation, and the forensic accounting aspects of the litigation and recovery process.
Prerequisites: BUS 348 and admission to the business administration program.
Dual-listed: BUS 537

BUS 440 Assurance Services 3 Credit hours

Introduction to the concepts and practice of accounting professional services including audits, other attestation services, and other assurance services. Topics include independence standards, professional standards, materiality, the audit risk model, engagement planning, substantive tests and test of controls, evidence accumulation, and evaluation and results reporting.
Prerequisites: BUS 348 and admission to the business administration program.

BUS 444 Governmental and Nonprofit Accounting and Auditing 3 Credit hours

A study of the accounting and auditing standards utilized for government and nonprofit organizations. Coverage includes state and local government units, nonprofit organizations, colleges and universities, health care organizations, voluntary health and welfare organizations, and governmental auditing standards.
Prerequisites: BUS 348 and admission to the business administration program.
Dual-listed: BUS 544

BUS 445 Federal Tax Accounting I 3 Credit hours

General knowledge of the principles of income tax laws and sufficient knowledge of the technical aspects thereof to acquire competency in the preparation of individual income tax returns.
Prerequisite: Admission to the business administration program.

BUS 446 Federal Tax Accounting II 3 Credit hours

General overview of income tax laws as they relate to partnerships, corporations, fiduciaries, estates and trusts, gifts, and tax research and planning.
Prerequisites: BUS 445 and admission to the business administration program.
Dual-listed: BUS 546

BUS 447 Accounting Analysis, Forecasting, and Decision Making 3 Credit hours

Focus is on further developing accounting and business skills that will add value to organizations. These include financial analysis skills, financial forecasting skills, research (of professional standards) skills, decision modeling skills, decision-making skills, communication skills, teamwork skills, and strategic thinking skills. Involves analysis of case situations in which knowledge from courses in financial accounting and cost accounting are integrated and applied.
Prerequisites: BUS 340, 348 and admission to the business administration program.

BUS 452 Human Resource Development 3 Credit hours

This course focuses on developing and implementing programs and processes directed toward organizational performance improvement, learning, and change; employee training and development; and addressing the unique needs of a diverse workforce. Students will utilize tools for assessment, analysis and evaluation for the purpose of identifying and establishing priorities and measuring the results of human resource development activities.
Dual-listed: BUS 552

BUS 453 Workforce Planning and Employment 3 Credit hours

This course focuses on the development and implementation of recruitment, selection, on boarding, succession planning, retention, and organizational exit programs necessary to achieve organizational objectives. Students will apply techniques such as Markov analysis to assess labor (internal and external) supply and demand; and metrics to evaluate recruitment sources and retention strategies, such as return on investment, cost per hire, and time to fill. Further, students will incorporate technology through the application of Human Resource Information Systems (HRIS).
Prerequisite: Admission to the business administration program.
Dual-listed: BUS 553

BUS 454 Total Compensation 3 Credit hours

This course focuses on the design and management of total compensation programs. The course will examine the internal consistency and external competitiveness of wage structures and how organizations assign pay rates to various jobs. Students will apply procedures to conduct job evaluation, and tie pay plans to employee performance and skill development. Further, they will assess and recommend benefits plans, such as healthcare insurance, pensions, and legally-mandated benefits; and other incentives, such as tuition reimbursement, flexible schedules.
Prerequisite: Admission to the business administration program.
Dual-listed: BUS 554

BUS 455 Employment Law and Labor Relations 3 Credit hours

This course focuses on the workplace relationship between employer and employee. Students will explore activities that maintain relationships and working conditions that balance employer and employee needs and rights. Further, students will identify plans and policies which provide a safe and secure working environment and protect the organization from liability.
Prerequisite: Admission to the business administration program.
Dual-listed: BUS 555

BUS 456 Strategic Human Resource Management 3 Credit hours

This course examines the role of human resource management practitioners and leaders as a strategic partner to business unit leaders. Students will be able to demonstrate how strategic human resource management influences, contributes to and supports the organization's mission, values, and strategic objectives. Further, students will apply tools, such as a human resource management scorecard, and processes to formulate policies, conduct cost/benefit analysis for human resource management interventions, and measure human resource management's contributions to organizational effectiveness.

Prerequisites: BUS 367, senior standing, and admission to the business administration program; or instructor approval.

Class fee: $35

Dual-listed: BUS 556

BUS 457 Topics in Globalization 3 Credit hours

Current or special issues in a changing global economy will be examined in a multi-disciplinary approach. The course offers students the opportunity to research and discuss current issues facing society and the impact on functional areas of international business, such as marketing, finance, banking, economics, management, and human resources.

Prerequisite: Admission to the business administration program.

Notes: Course may not be repeated.

BUS 470 Marketing Management 3 Credit hours

The capstone marketing course designed to help the student with the transition to the marketing world. Included in the course will be current literature and research, in-depth study of marketing plans and strategies, and/or marketing cases/marketing simulations.

Prerequisites: BUS 270, BUS 373, and admission to the business administration program.

BUS 471 Principles of Supervision 3 Credit hours

This course concentrates on the skills needed by first-line supervisors. Issues covered include the following: supervisor's job description, organizing an effective department, acquiring employees, motivation, effective leadership, communication skills, supervising groups and work teams, labor relations and supervisory challenges in the 21st century.

BUS 472 Marketing Analytics 3 Credit hours

Students will be introduced to the power of data-driven decisions and learn to forecast results and measure progress of marketing activity. Students will gain a working knowledge of major and current digital marketing analytics and how to apply it to their marketing career. Understanding the scale of big data available to marketing professionals, students will use software platforms to manipulate this consumer data to build business-to-consumer relationships, enhance consumer communication, and earn a competitive advantage. Students will have practice in optimizing and connecting results across search engines, social media, email, and more. This course will utilize firsthand experience with the major digital platforms and prepare students for platform certifications.

Prerequisites: BUS 270, BUS 373, and admission to the business administration program.

BUS 475 Consumer Purchasing and Motivation 3 Credit hours

Understanding a customer's needs, wants, trips, and triggers to buy will set apart the successful marketing professional. Students will expand upon their knowledge of marketing with social psychology and marketing research in identifying market segments and writing psychographic profiles to build effective customer relationships in a competitive business environment. Analyzing target market use of social media is a valuable source of information about the consumer. Attention is placed on recognizing market influences to help shape consumer purchasing preferences in successfully reaching the organization's marketing objectives.

Prerequisites: BUS 270 and admission to the business administration program.

BUS 476 Omnichannel Retailing Management 3 Credit hours

Explores the various retail platforms of omnichannel retailing including ecommerce, social media networks, and brick-and-mortar retail. Focusing on key strategic issues that emphasize merchandise management, retail strategy, store management, online retailing, and retail promotions, students will gain an understanding of the importance of utilizing a multichannel retail platform. The use of both small and large retailers will be explored to stay abreast the current trends of retail.

Prerequisites: BUS 270 and admission to the business administration program.

BUS 485 Introduction to Predictive Analytics 3 Credit hours

This course introduces an analytical toolset to address modern, data-intensive business problems. The course provides an overview of the key concepts, applications, processes, and techniques relevant to business analytics. The course is intended to provide tools for business applications using data, databases, and reports from analytic models. It covers the basic fundamentals of data analysis and inferential statistics as well as predictive modeling techniques, including linear regression, logistic regression, and decision trees.

Prerequisite: Admission to the business administration program.

Dual-listed: BUS 585

BUS 486 Seminar in Supply Chain Management 3 Credit hours

The focus of this course is on the concepts and theories of supply Chain Management through the application in real world settings. Students will emulate decision making through simulated applications and will work with local/regional organizations to make improvements or explore opportunities enhancing supply chain applications.

Prerequisite: Admission to the business administration program.

Dual-listed: BUS 586

BUS 490 Assessment Seminar 0 Credit hours

This course requires students to demonstrate or report their level of achievement of the student learning objectives developed for the Business Administration major foundation, core, and concentration courses. Various assessment measures such as surveys, comprehensive exams and capstone projects will be used to gather student data.

Prerequisite: Completion of 100 semester credit hours.

Notes: Graded S/NC. Completion of this course is a graduation requirement.

C

CED 417 Principles of Career Education 3 Credit hours

This course will provide students with the understanding of the five relationships critical for planning and implementing a career education program; politics and government, academics and total school offerings, student achievement and life application, business and industry and the individual's role as a professional educator. Career Education reflects the historical, evolutionary, and technological changes in career education, the impact of legislation, work and demand for new knowledge and skills in a global economy.
Dual-listed: CED 517

CED 423 Coordinating Techniques 3 Credit hours

The study of cooperative programs in career and technical education with emphasis in the areas of business, family and consumer sciences, and skilled and technical sciences. Comparative philosophies of career and technical (vocational) and general education and their relation in the comprehensive school program. Stresses the organization of the cooperative program, supervision techniques, functions of the coordinator, selection and placement of students, and the evaluation of training situations and vocational competencies.
Dual-listed: CED 523

CHE 102 Chemistry for General Studies 3 Credit hours

Selected topics of chemistry to be presented by laboratory-oriented approach and in compliance with the General Studies requirements. Does not apply to any major, minor, or endorsement in any science area (BIO, CHE, EAS, NAT, PHS, PHY) unless specified.
Notes: 4 hours lecture and lab combined

CHE 106 General Chemistry I 4 Credit hours

Emphasis on nomenclature, atomic structure, bonding, gaseous and liquid states, equilibrium, and stoichiometry.
Prerequisite: High school chemistry or CHE 102.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 107 General Chemistry II 4 Credit hours

A continuation of CHE 106 with emphasis on kinetics, redox reactions, molecular geometry, hydrolysis, electrochemistry, and solubility products. Qualitative analysis included.
Prerequisite: "C-" or better in CHE 106 or instructor approval.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 208 Introductory Organic Chemistry 4 Credit hours

Emphasis on nomenclature, functional groups, and organic structures as related to living matter.
Prerequisite: "C-" or better in CHE 107.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 301 Introduction to Clinical Chemistry 1 Credit hour
Introduction to Medical Laboratory, including visitations and observation in a hospital laboratory. Does not apply to subject endorsement.
Prerequisite: Three semesters of college chemistry.

CHE 305 Analytical Chemistry 4 Credit hours
Emphasis on theories and application of quantitative analysis including gravimetric and volumetric procedures.
Prerequisite: "C-" or better in CHE 107.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 314 Organic Chemistry I 4 Credit hours
This course is designed to allow students to learn the fundamental aspects of organic chemistry. Among the topics covered will be structure determination, bonding, stereochemistry, and spectroscopy. Also included are the structure and reactivity of alkenes, alkynes, alkyl halides, and alcohols. The laboratory work will introduce the equipment and techniques of chemistry, which relate to the material discussed in the lecture. The experiments will develop organic laboratory techniques for product formation, isolation, purification, and identification.
Prerequisite: "C-" or better in CHE 107.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 315 Organic Chemistry II 4 Credit hours
This is a continuation of CHE 314. Among the topics covered will be electrophilic substitution, alcohols, aromatic chemistry, ethers, epoxides, and carbonyl chemistry-including nucleophilic substitution, carboxylic acids, alpha-substitution, and condensation reactions. The laboratory work introduces the equipment and techniques of organic chemistry, which relate to the material discussed in the lecture. The experiments will develop synthetic methods for product formation, isolation, purification, and identification.
Prerequisite: "C-" or better in CHE 314.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 326 Biochemistry I 4 Credit hours
Study of proteins, lipids, nucleic acids, and carbohydrates with emphasis on their structure, function, and metabolism.
Prerequisite: "C-" or better in CHE 208 or CHE 315.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 370 Introduction to Research 1 Credit hour
This course is designed for Chemistry majors as an introduction to scientific writing, library research, data collection and data analysis. The student will be expected to use the skills learned in this course to establish a proposal for a research project for CHE 470.
Prerequisite: 8 hours of Chemistry.
Class fee: $30

CHE 380 Instrumental Analysis 4 Credit hours
Instrumental analysis in qualitative and quantitative procedures employing IR, UV, visible and atomic absorption spectrometers as well as other modern instruments such as gas chromatographs and electroanalytical system.
Prerequisite: "C-" or better in CHE 305.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 390 Inorganic Chemistry 3 Credit hours
Principles and theories of inorganic chemistry.
Prerequisite: "C-" or better in CHE 107.

CHE 393 Laboratory Techniques 1 Credit hour
Introduction to the direction of students in freshman or sophomore laboratories. Preparation of solutions, supervision of laboratory activities, evaluation of laboratory reports and instruction in the principles of laboratory safety.
Prerequisite: "C-" or better in CHE 107.
Notes: 3 to 6 hours a week. Cannot be repeated.

CHE 400 Environmental Chemistry 3 Credit hours
A combined lecture-laboratory course with emphasis on man's intrusion into the natural chemical processes of the biosphere. Topics in industrial effluence, energy sources, plastics, detergents, fertilizers, biocides, trace metals, human waste, etc., which lead to pollution of the air and water.
Prerequisite: "C-" or better in CHE 107.

CHE 426 Biochemistry II 3 Credit hours
Bioenergetics, membrane transport, enzymes, mechanisms, and special topics in intermediary metabolism.
Prerequisite: "C-" or better in CHE 326.

CHE 456 Physical Chemistry: Thermodynamics 3 Credit hours
Investigations into the properties of ideal and real gases, the first, second, and third laws of thermodynamics, the thermodynamics of pure substances, simple mixtures, chemical equilibrium, and equilibrium electrochemistry with special applications for the life sciences.
Prerequisite: PHY 301

CHE 457 Physical Chemistry: Quantum Mechanics and Spectroscopy 3 Credit hours
Investigations into quantum theory, atomic structure, atomic spectra, molecular structure, and molecular spectroscopy: including rotational, vibrational, electronic, and magnetic resonance spectroscopy.
Prerequisite: PHY 301

CHE 458 Physical Chemistry Lab 1 Credit hour
Laboratory investigations of physical chemistry concepts including: the properties of gases, thermochemistry, chemical equilibrium, quantum chemistry, and spectroscopy.
Prerequisite or corequisite: CHE 456
Notes: 3 hours lab

CHE 470 Research Project 1 Credit hour
This course is a continuation of CHE 370. Students will take this course as a means of completing their individual research project under the direction of a chosen instructor. A presentation of this research in both oral and written form is required at the conclusion of the course.
Prerequisite: CHE 370
Class fee: $30
Notes: This course may be repeated up to a total of 3 hours.

CHE 480 Advanced Laboratory Methods 1 Credit hour
This is an advanced laboratory course featuring integrative, project-based activities. Projects will incorporate instrumental and chemical techniques used in cross-disciplinary studies at both the advanced undergraduate and post-baccalaureate level.
Prerequisite: 15 hours of upper-level CHE courses.

CHE 481 Principles of Fermentation 4 Credit hours
Principles of fermentation sciences will cover the use of microorganisms to produce beverages (e.g., wine, beer) and foods (e.g., cheese, yogurt) and biofuels. It will include the history, culture, and fundamental science of the fermentation processes, basic food science, microbiology, chemistry, biology, natural products chemistry, and nutrition. The course will touch on basic industrial processes in the cultivation of grapes, grains, and hops. The biochemical pathways of fermentation and the type of organisms used in fermentation will be explored. The accompanying laboratory will cover basic biochemical and microbiological procedures in fermentation.
Prerequisite: CHE 315
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 482 Wine, Beer, and Spirit Production and Analysis 4 Credit hours

This course is designed to study the production of three common fermented beverages. Wine production and analysis will lead students through the processing of grapes, berry composition, fermentation kinetics, sanitation, aging, and bottling. Similar coverage of the chemical and physical processes that go into brewing malted beverages and spirits will include the processes and the scientific principles of each step with emphasis on the equipment, instrumentation and data analysis used in the process. With beer, coverage of the hops, malt, and yeast varieties and how they are combined to produce specific styles and flavors of beers. Flavor and aroma compounds will be quantified by students using appropriate instrumental techniques and data analysis. Students will have hands-on experience with micro-scale fermentations and standard laboratory analysis associated with each of these beverages. Field trips will include visits to local vineyards and wineries, breweries, and distilleries to provide relevant exposure to facilities and fermentation processes.
Prerequisite: CHE 481
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

CHE 483 Sensory Analysis of Beer and Wine 3 Credit hours

This course is intended to provide students with a competency in sensory science and its relevance to beverage production. Students must be 21 years of age or older, although the “sip and spit” technique for proper sensory analysis will be advocated. The course will provide students with the basic principles involved in sensory perception and how these skills are used for quality assurance and detection in the food industry. Students should be adequately prepared to methodically assess products, identify characters and faults, and relate them to scientific principles presented in previous courses and experiences. Competency in statistics and methods of determining statistical differences in requisite for this course. Aspects of branding, marketing, business, laws, and liabilities will be integrated into class discussions and projects.
Prerequisites: CHE 481 and MAT 180.
Class fee: $30

CHE 490 Chemistry Seminar 1-2 Credit hours

An advanced course of study for chemistry majors. Research and advanced reading in an area chosen by the student and the instructor in charge.
Prerequisite: 16 hours of CHE courses.
Notes: This course may be repeated with different topics.

CHE 493 Laboratory Management 1-2 Credit hours

Management of advanced laboratories. Preparation of reagents, maintenance of equipment, laboratory supervision, evaluation of student performance, grading of laboratory notebooks, instructions in experimental design.
Prerequisite: “C-” or better in CHE 393.
Notes: 6-12 hours a week. Maximum 2 credit hours.

CHE 497 Internship 12 Credit hours

Supervised practical experience in business/field setting or laboratory setting, e.g. at a winery, brewery, vineyard, distillery or in a production or processing facility. Students, with the help of their advisor, must find an internship site. The site must be approved by the student's advisor and department chair. Requirements will include 2.5 GPA, a clear agreement on the part of the industrial partner, and a commitment to excellence on the part of the student participant. A final report and an exit presentation are required.
Prerequisite: CHE 481, CHE 482, and CHE 483.

CIS 130 Introduction to Computer/Information Technology 3 Credit hours

An introduction to computer technology (hardware and software) including computerized information systems designed to serve personal or business needs for problem-solving, decision making, and data communication. Includes hands-on microcomputer applications.

CIS 132 Principles of Computing and Information Systems 3 Credit hours

An introduction and overview of modern computer systems, software design, information systems, and related technologies. Topics include computer hardware, software, communications, introductory algorithm design, basic networking concepts, computer ethics, and various other timely topics from the fields of computer science and/or computer information systems.

CIS 171 Networking I 3 Credit hours

An introduction to networking concepts and technologies. Students will be introduced to the theory and practice of networking computers and various other devices.

CIS 231 Microcomputer Software 1-3 Credit hours

An introduction to the use of the microcomputer as a business tool. Included will be "hands-on" experience with word processor, database, desktop publishing, graphics and presentations, Windows operating system, Internet, Web Page design, and other applications software packages.
Notes: This course may be repeated up to a total of 9 hours.

CIS 232 Spreadsheet Software 1-3 Credit hours

An introduction to microcomputer spreadsheet software. Included will be "hands-on" experience with a popular microcomputer spreadsheet application package. Emphasis will be on commonly used concepts and features.

CIS 233 Advanced Spreadsheet Software 1-3 Credit hours

An exploration of advanced spreadsheet applications software concepts and features. The course will build on the introductory material provided in CIS 232 Spreadsheet Software and will provide coverage of more sophisticated concepts and require "hands-on" experience with features of the spreadsheet software that go beyond the basics.
Prerequisite: CIS 232 or instructor approval.

CIS 271 Networking II 3 Credit hours

This course builds upon the material presented in CIS 171 and provides the students with additional networking theory. In addition, students will work in a variety of "hands-on" settings to apply the theory to modern computer networks and networking equipment.
Prerequisite: CIS 171 or instructor approval.

CIS 352 Introduction to Enterprise Computing 3 Credit hours

A study of structured computer programming. Topics include: a computer language overview, the program development cycle, the structured programming concept, program documentation, language structure and syntax, and common language commands. Emphasis is placed on development of sequential, batch programs that generate reports. Input to output data transfer, editing, simple and comprehensive arithmetic statement application, single and compound condition testing, sort/merge techniques, single dimensional and multi-dimensional table concepts are some of the processes emphasized in the programs. This course also addresses other concepts in enterprise computing.
Prerequisite: CIS 130 or CIS 132.

CIS 360 Computer Information Systems: Analysis and Design 3 Credit hours

A study of software engineering approaches, tools, and methodologies. In addition, some coverage is provided regarding the structured approach to systems development through use of structured analysis methods within an established life cycle. Topics include: the systems development environment and life cycle, information gathering techniques, feasibility studies, cost/benefit analysis, software development alternatives, software selection techniques, modeling tools, data analysis methodologies, communication considerations and new system design.
Prerequisite: CIS 130 or CIS 132.

CIS 361 Software Engineering 3 Credit hours

A study of software engineering approaches, tools, and methodologies. In addition, some coverage is provided regarding the structured approach to systems development through use of structured analysis methods within an established life cycle. Topics include: the systems development environment and life cycle, the systems design process, I/O design activities and strategies, file and database design, project management techniques, foundations and strategies of software design, software testing methods, CASE tools, user training, installation techniques, and evaluation process.
Prerequisite: CIS 360

CIS 366 Introduction to Database 3 Credit hours

A study of database theory, design and management through application development and implementation. Topics include: database planning and organization, common database models, normalization, the total DBMS concept, logical and physical model design, program database strategies control and recovery, security and integrity, query application, and advanced database topics. Emphasis is placed on application assignments that encompass topics/concepts presented in the course.
Prerequisite: Select one of the following: CIS 130, CIS 132, or CSC 150.

CIS 369 IT Support and Management 3 Credit hours

A study of the processes, procedures, approaches, support mechanisms, communications flows, management tools, and technological tools used in supporting operational and tactical deployments of information technologies and systems in a variety of types of modern organizations. Emphasis is placed on the knowledge and skills needed by the support position employees working in the technological arena to support organizational activities and various categories and types of end-users of applications and information technologies.
Prerequisite: CIS 130 or CIS 132.

CIS 371 Networking III 3 Credit hours

This course builds upon the material presented in CIS 271 and provides the students with additional networking theory. In addition, students will work in a variety of "hands-on" settings to apply the theory to modern computer networks and networking equipment.
Prerequisite: CIS 271 or instructor approval.

CIS 372 Computer Hardware and Operating Systems 3 Credit hours

A study of computer hardware and operating systems. This course covers hardware components of a variety of types and explores both proprietary and open-source operating systems. Emphasis is placed on proper design and operation, troubleshooting, and basic management/maintenance of hardware and the operating systems that run on it.
Prerequisite: CIS 130 or CIS 132.

CIS 375 Introduction to E-Commerce 3 Credit hours

This course is an introduction to the world of electronic commerce and various other forms of electronic interaction. The course provides an overview of the basic technology of the Internet and World Wide Web. It also discusses strategic, tactical, and operational issues faced by online business firms and various other types of organizations. Marketing, financing, infrastructure, choice of online business model, and many other considerations are explored.

CIS 390 Computer Information Systems Practicum 3 Credit hours

The application of computing and information systems theory to real-world situations via individualized experiences tailored to student interests and backgrounds. Students will participate in supervised and mentored projects and assignments designed to teach them about the realities of translating theory into practice.
Prerequisite: Instructor approval.
Notes: This course may be repeated for 3 additional hours of general electives only.

CIS 430 Management Information Systems 3 Credit hours

Emphasis is on providing breadth of knowledge in the organizational concepts and considerations surrounding the use of information systems technologies such as computer systems and communications systems. Topics include role of information systems in managerial functions, general systems theory, design and implementation of Management Information Systems (MIS), decision support systems, expert systems, and artificial intelligence.
Dual-listed: CIS 530

CIS 454 Technology Platforms: Hardware and Operating Systems 3 Credit hours

This course provides students with a balance of theory and practice in the areas of selection, installation, management, maintenance, troubleshooting, design, and evaluation of operating systems and computer hardware. Proprietary and open-source systems are considered. Technical research and the use of various forms of documentation will be addressed. The role of ergonomics in hardware selection will be explored. Instructional strategies for teaching hardware and operating systems terminology and concepts will also be presented.
Dual-listed: CIS 554

CIS 457 Networking and Technology Management 3 Credit hours

This course provides students with a basic knowledge of computer networks, including network concepts and network operating systems. The areas of network selection, installation, management, maintenance, troubleshooting, design, and evaluation are addressed. Instructional strategies for teaching networking and managing the networking instructional environment will also be presented. Special emphasis is placed on issues of security, scalability, and design for maintainability. This course also addressed general methods, skills, and strategies essential for planning and managing authentic and meaningful information technology learning experiences for students. Strategies for dealing with diverse populations, wide ranges of computer literacy levels, and a variety of learning styles are considered. The topics of assessment, evaluation, and appropriate feedback techniques are explored. Additionally the course provides coverage of the general management skills, techniques, and strategies for planning, designing, implementing, evaluating, and managing the learning environment and the various technology components, technical resources, and tools that are a part of it. The basic practice of database design, development, and management is presented and its role in technology management is emphasized. Students will complete a significant technology planning or technology management project in this course. That project will be supported by a database application.
Dual-listed: CIS 557

CIS 466 Advanced Database 3 Credit hours

An advanced study of database planning, design, implementation, evaluation, and administration. Topics include: the ANSI/SPARC model for database development, exploration of advanced considerations related to various types of database structures, the use of databases for strategic advantage in the organization, management of all phases of the database life, query and human factors considerations. Student will apply theory to a database project.
Prerequisite: CIS 366 or equivalent.

CIS 471 Networking IV 3 Credit hours

This course builds upon the material presented in CIS 371 and provides the students with additional networking theory. In addition, students will work in a variety of “hands-on” settings to apply the theory to modern computer networks and networking equipment.
Prerequisite: CIS 371 or instructor approval.

CIS 472 Advanced Computer Hardware and Embedded Systems 3 Credit hours
This course addresses advanced topics in the study of computer hardware systems, including processors, memory, storage devices, display technologies, input technologies, output technologies, and various other hardware components and approaches. The course also covers embedded technologies commonly found within other types of dedicated devices and general-purpose devices.
Prerequisite: CIS 372 or instructor approval.

CIS 475 Topics in Computer Information Systems 3 Credit hours
Study of topics such as simulation, expert systems, and other areas in the forefront of current CIS practices. Designated as a "hands-on", project-oriented course. The student will learn about the techniques, tools, and practices of contemporary information systems domains.
Prerequisite: Varies by topic.
Dual-listed: CIS 575
Notes: Topic and title will vary. This course may be repeated if topic and title are different.

CIS 477 Project Management 3 Credit hours
This course provides an introduction to the management of projects. Emphasis is placed on both the technical aspects of the project management process and the management of the human behavioral/situational aspects of projects. The nature of projects is explored. The techniques and tools of project management are introduced. Operational, tactical, and strategic implications of project management approaches are considered. The use of current project management software is incorporated. Students are also provided with an understanding of the many environmental and behavioral issues surrounding project management, and approaches to dealing with these issues.
Dual-listed: CIS 577

CIS 479 Network Design and Administration 3 Credit hours
A study of the operational, tactical, and strategic considerations for design, management, and administration of modern computer networks. The design and management issues surrounding the organizational units, functional areas, and outsourced service providers that provide network administration for the organization will also be explored. Topic areas from CCNA and CCPA curricula will be considered in the context of the role of the network administrator.
Prerequisite: CIS 371 or instructor approval.

CIS 480 Seminar in Computer Information Systems 3 Credit hours
A capstone course with emphasis on the management of information systems. Emphasis is placed on operational, tactical, and strategic issues related to information systems management. Consideration is given to traditional and emerging information systems issues and topics. Students will work with theoretical and practitioner literature from the information systems field in addressing several cases and/or projects and in preparing and delivering presentations.
Prerequisite: Completion of 90 credit hours.
Dual-listed: CIS 580

CJA 105 Introduction to Criminal Justice 3 Credit hours
This is a survey course designed to acquaint the student with the total field of criminal justice emphasizing the institutions and processes of law enforcement and corrections.

CJA 127 Introduction to Forensic Crime Scene Investigation 3 Credit hours

Introduction to scientific investigation and the use of the crime laboratory. Includes proper methods of collecting, handling, packaging, and mailing of evidence to be analyzed by the crime laboratory. Also covers such scientific techniques as neuroactivation and analysis, toxicology, and questioned document analysis.

Prerequisite: Major in Criminal Justice or CJA 105.

CJA 200 Criminal Law 3 Credit hours

Criminal Law focuses on substantive criminal law, including constitutional limitations on government power, elements of crimes, and criminal responsibility and defenses. Criminal laws explored include inchoate offenses, person crimes, property offenses, crimes against public morality, alcohol and drug offenses, offenses against public order and safety, and offenses against justice and public administration.

Prerequisite: Major in Criminal Justice or CJA 105.

CJA 203 Police and Society 3 Credit hours

Examines the role of the police in relationship to law enforcement and American Society. Topics include, but are not limited to, the role and function of police, the nature of police organizations and police work, and the patterns of police-community relations.

Prerequisite: Major in Criminal Justice or CJA 105.

CJA 210 Juvenile Delinquency 3 Credit hours

The study of the nature and extent of juvenile delinquency in the U.S., theories of cause, and the special police processing and court systems which deal with delinquency, with focus on the role of schools, drugs, gangs, racial groups, and females as special topics in delinquency.

Prerequisite: Major in Criminal Justice or CJA 105.

CJA 226 Criminal Investigation 3 Credit hours

Introduces criminal investigation procedures. Reviews the historical development and investigative processes related to law enforcement functions. Topics include, but are not limited to the proper collection, organization and preservation of evidence using basic investigative tools; examining the primary sources of information; analyzing the importance of writing skills; and reviewing the constitutional (legal) limitations of the investigation.

Prerequisite: Major in Criminal Justice or CJA 105.

CJA 235 Security and Loss Prevention 3 Credit hours

Provides insight into the complex problems of loss prevention in today's society, including security staffing needs, fire protection and control, duties and responsibilities of security personnel, internal controls, emergency and disaster planning and internal theft.

Prerequisite: Major in Criminal Justice or CJA 105.

CJA 304 Report Writing for Criminal Justice Professionals 3 Credit hours
This course focuses on writing effective investigatory reports which follow fundamental guidelines established to ensure accurate information for use by professionals working cases in law enforcement, social worker, security, corrections, parole/probation, and forensics. Ongoing topics covered include diligent notetaking, appropriate grammar, and proper organization of information for a clear, concise, correct, and complete report.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 320 Correctional Institutions 3 Credit hours
The course focuses on the historical development of prisons, and a discussion of the current structure, philosophy, character, and issues of modern correctional institutions.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 325 Community-Based Corrections 3 Credit hours
The study of the correctional processes at the community level including the parole and probationary concepts. Emphasis is on applied techniques.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 351 Criminal Procedure 3 Credit hours
This course focuses on the procedural criminal law, including search and seizure, arrest, interrogation and identification procedures, the pretrial process, the criminal trial, sentencing and punishment, and appeal and post-conviction relief.
Prerequisite: CJA 200

CJA 360 Homeland Security and Terrorism 3 Credit hours
This course examines the nature and extent of the threat from internal and external political groups as well as how the federal law enforcement community was restructured in a post 9-11 period. Agency structure, funding, training jurisdiction, issues, and contemporary court cases are topics.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 370 Crime and the Media 3 Credit hours
This course will examine the representations of crime and the criminal justice system in the media. It will examine how the media presents, represents, distorts, and/or screens issues in our society related to crime and justice. This course will evaluate television, film, newspaper, and electronic/internet media to examine how these entities are used as a mechanism to explore issues that are central to the study of crime.

CJA 372 Environmental, White Collar, and Corporate Crime 3 Credit hours
This course focuses on individual and group criminal behavior tied to economic, political, and privileged positions that facilitate the commission of crimes and deviance at the national and international level. The course will examine and define environmental crime and environmental justice with special emphasis on types of crimes, types of criminals, related legislation and politics, and enforcement issues.

CJA 377 Gangs and Organized Crime 3 Credit hours
This course provides insight on gangs and organized crime by examining the history, structure, activities, identification of criminal and organized groups, and government efforts to control them both nationally and internationally. Topics include illegal trafficking, money laundering and cybercrime.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 380 Cybercrime 3 Credit hours
This course focuses on the latest trends and best practices associated with cybercrime and investigation contexts, processes, and procedures. Topics include identity theft, hacking, cyberterrorism, child sexual abuse, cyberbullying, the Deep Web, and the Dark Web.

CJA 382 Capital Punishment in America 3 Credit hours
This course considers the legal, political, and social implications of the practice of capital punishment in the United States. Students will examine the historical, moral, philosophical, legal, and socio-cultural perspectives that frame arguments for and against capital punishment.

CJA 404 Drugs, Alcohol, and Crime 3 Credit hours
This course examines drug use and abuse, the impact of drugs on the human body, and how drugs are correlated with crime. The course will explore theoretical explanations for drug use and abuse, current treatment, and prevention strategies, along with the criminal justice system's response in prevention and public policy.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 405 Family Violence 3 Credit hours
The course examines child abuse, dating violence, domestic violence, sexual assault, and elder abuse. Particular topics include theories of abuse, societal responses to abuse, and assistance to victims.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 430 Criminology 3 Credit hours
This course reviews the nature and causes of crime and efforts of the criminal justice system to predict, prevent, modify, and correct criminal behavior. Criminological theories of crime and criminality from classical theories to modern theories will be examined. Students will also assess the benefits and weaknesses of major sources of crime statistics and their impact on criminal justice policy.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 444 Topics in Criminal Justice 3 Credit hours
Current or special issues in Criminal Justice will be examined. The course offers students the opportunity to discuss relevant issues facing society. This course may be repeated, by advisement, with different topics.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 451 Violent Crime and Victimology 3 Credit hours
This course focuses on definitions, patterns, and society reactions to violent crimes and victims, theoretical explanations of violence, and how the criminal justice system attempts to control crimes and respond to victims.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 460 Emergency Management 3 Credit hours
Current topics of concern regarding strategies of disaster assessment, mitigation, response, recovery, and preparedness will be discussed. This course will focus on types of natural and man-made disasters, federal, state, and local reactions to disasters, disaster communications, and the management of responses to terrorist attacks.
Prerequisite: Major in Criminal Justice or CJA 105.

CJA 488 Criminal Justice Senior Seminar 3 Credit hours
This course is a capstone course wherein students research the career field and job market, conduct original research, focus on issues in the profession and dialog on personal values and skills for the career field.
Prerequisites: Major in Criminal Justice and senior standing.

CJA 497 Internship 1-3 Credit hours
Placement in a professional capacity in an agency for a supervised period of at least 50 hours per credit.
Prerequisites: Major in Criminal Justice, instructor approval, 2.5 GPA required and junior standing or above.

CNA 100 Principles of Human Communication 3 Credit hours
Students will acquire knowledge of the elements and models of communication in a variety of situations. In particular, students will learn about the nature of interpersonal, small group, public speaking, and organizational communication. Beyond this, the student will prepare and present speeches and public presentations in interpersonal, small group, organizational, and public speaking settings, and contexts.

CNA 101 Introduction to Theatre 3 Credit hours
Understanding and appreciation of the art of theatre, including dramatic literature, technical theatre, production process, and critical evaluation.

CNA 102 Media Literacy 3 Credit hours
Provides students with the skills to analyze media messages critically to become active and engaged citizens. The course focuses on the historical evolution of U.S. mass media and provides a critical understanding of the political, economic, and social forces that structure U.S. media institutions and influence media content.

CNA B120, B220, B320, B420 Broadcast TV Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in broadcast TV.
Prerequisites: Instructor approval and “C” or above in CNA 274.
Class fee: $30

CNA F120, F220, F320, F420 Digital Film Production Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in digital film production.
Prerequisites: Instructor approval and “C” or above in CNA 274.
Class fee: $30

CNA J120, J220, J320, J420 Journalism Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in journalism.
Prerequisites: Instructor approval and "C" or above in CNA 280.
Class fee: $30

CNA R120, R220, R320, R420 Audio/Radio Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in audio/radio.
Prerequisites: Instructor approval and "C" or above in CNA 162.
Class fee: $30

CNA S120, S220, S320, S420 Sports Media Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in sports media.
Prerequisites: Instructor approval
Class fee: $30

CNA T120, T220, T320, T420 Theatre Workshop 0-2 Credit hours
Practical application of skills in stagecraft, lighting, costuming, acting, and/or directing for mainstage production. Enrollment in CNA T120/220/320/420/520 is required for participation in mainstage productions.

CNA 140 Intercollegiate Forensics 0-3 Credit hours
This course involves participation on the intercollegiate speech and debate team. Students develop advanced oral communication skills and compete against students from other colleges in debate, prepared speaking, and oral interpretation events. Team participation involves weekly meetings, practice sessions, and tournament travel.
Prerequisite: Instructor approval.
Notes: This course may be repeated for 4 years of undergraduate eligibility, per NFA/NIFA guidelines.

CNA 150 Introduction to Agricultural Communication 3 Credit hours
A course designed to introduce the student to the many forms of agricultural communication including written, spoken, and electronic.

CNA 162 Audio Production 3 Credit hours
Audio production techniques including digital recording, broadcast writing, announcing, remote recording, and digital editing software. This course will also introduce students to broadcast vocabulary and radio station management structures.
Class fee: $30

CNA 201 Small Group Communication 3 Credit hours
Explores the functions of discussion in our society, problem-solving, group dynamics, and analysis of the operative forces within the group. Emphasis on skills of group discussion, participation in decision-making groups, leadership, organization, and evaluation.

CNA 205 Play Writing/Screen Writing 3 Credit hours
Study of and practice in the techniques of play writing and/or screen writing.
Cross-listed: ENG 205

CNA 210 Interpersonal Communication 3 Credit hours
The study of theories and models of interpersonal communication that enhance understanding and development of interpersonal relationships. Skills are developed in listening behavior, dyadic interaction, relationship and conflict management, verbal and nonverbal communication, and intrapersonal processing.

CNA 223 Acting 3 Credit hours
Exploration of basic acting techniques and performance theory through object exercises, monologues, and scene work.

CNA 232 Stagecraft 3 Credit hours
Fundamentals of scenic construction and painting techniques, sound, properties, and stage management.

CNA 240 Intercollegiate Forensics 0-3 Credit hours
This course involves participation on the intercollegiate speech and debate team. Students develop advanced oral communication skills and compete against students from other colleges in debate, prepared speaking, and oral interpretation events. Team participation involves weekly meetings, practice sessions, and tournament travel.
Prerequisite: CNA 100
Notes: This course may be repeated for 4 years of undergraduate eligibility, per NFA/NIFA guidelines.

CNA 252 Public Address 3 Credit hours
This course sets the foundation of communication theory by setting the stage of the first roots of the western heritage in rhetoric. Students will learn how the art and skills of rhetoric evolved beginning with the Greeks of Plato and Aristotle, through the Romans of Cicero and Quintilian, through the Christianization of rhetoric in St. Augustine, and ending with the Ramian and Cartesian turns leading into modern thought and practice of communication theory.
Prerequisite: CNA 100

CNA 262 Writing for the Mass Media 3 Credit hours
An introduction to writing for print, electronic media, and corporate communications. Writing skills will be emphasized and differences in writing for various avenues of mass communication writing will be explored. The course will give students the writing fundamentals on which other courses in broadcasting and journalism will expound.

CNA 263 Introduction to Mass Communication 3 Credit hours
An overview of the historical development, technological evolution, current status, and future direction of mass communication. Differences between mass communication systems will be explored, as well as mass communication effects on its audiences.
Prerequisite: CNA 100

CNA 274 Video and Film Production I 3 Credit hours

An introduction to studio and remote production including live broadcasts of news, sports, talk, narrative film, and special events. Students will learn current concepts and theories of pre-production, production and post-production procedures and will apply them utilizing video and audio equipment for digital storytelling.

Class fee: $30

Notes: Lab hours required.

CNA 280 News Writing 3 Credit hours

An introduction to journalism and journalistic writing. Students in this course work as beginning reporters for the college newspaper.

CNA 284 Film Criticism 3 Credit hours

Exploration of the diverse influences on cinematic and film production, including story and character development, visual elements of storytelling, artistic/esthetic qualities, business/marketplace influences, and cultural significance. Emphasis on the role of the critic in development of film professionals.

Cross-listed: ENG 284

CNA 290 Editing and Copy Editing 3 Credit hours

Application of copy editing activities used in various media platforms. The goal is to think like editors and to adopt the skills and attitudes they use in their work, regardless of the medium. Skills that the course focuses on include working with words (copy editing), working with meaning (content editing), and working with page layout and design (page editing). Attitudes involve editorial decision-making as well as learning to mentor and work with writers. Relevant to production of newspapers, newsletters, yearbooks, and other editorial pieces.

CNA 301 Advertising Copywriting 3 Credit hours

An introduction to the strategies of writing and presenting promotional and advertising copy, including brand promises, calls to action, and the stylistic content requirements of traditional print and broadcast media, social media, and other content sources, in written, audio, and video formats, Includes an introduction to the purposes of advertising, sales, and marketing.

CNA 302 Language and Human Behavior 3 Credit hours

Examines in depth the relationship among language, thought, and behavior, emphasizing the role linguistic communication plays in culture and society.

Prerequisite: CNA 100

CNA 317 Argumentation 3 Credit hours

Introduces students to the art of collaborative inquiry, deliberation, and decision-making. The course explores diverse approaches to ethical and effective inquiry, deliberation, and advocacy, as well as developing the skills necessary to their practice. The course focuses particularly on development of critical thinking and reasoning abilities, self-reflexivity, empathic listening, reading, viewing, and speaking skills, dialogic inquiry, and ethical and effective advocacy skills.

Prerequisites: CNA 100 and sophomore standing.

CNA 318 Directing 3 Credit hours
Study and practice of basic directing theory starting with screen-analysis and proceeding to director-actor-designer relationships in the production process.
Prerequisite: CNA 223 or CNA 232, or instructor approval.
Notes: 3 hours lab

CNA 322 Children's Theatre 3 Credit hours
Study of all aspects of children's theatre including adaptations of suitable material for performance, acting, and designing for young audiences, and participation in the scheduled children's play productions.

CNA 331 Scene Design 3 Credit hours
Principles and styles of scenic design, drafting, and rendering techniques.
Prerequisite: CNA 232

CNA 333 American Theatre 3 Credit hours
Study of plays, players, places, and events in American theatre history from the 17th century beginnings to the present.
Cross-listed: ENG 333

CNA 334 Sports Media Theory 3 Credit hours
This course applies media theory (such as audience reception, critical cultural studies, and fan participation) to issues pertaining to various sports media. Students explore topics ranging from the history of sports broadcasts to contemporary representations of race, gender, and identity in popular sports. Students can use these investigations to develop content for student media as well as academic inquiry.

CNA 335 Theatre History 3 Credit hours
Theatre from earliest days to the present day with supplemental readings in dramatic literature reflecting the times.

CNA 337 Costumes and Make Up for the Stage and Screen 3 Credit hours
Principles and methods of design, planning, and execution of costumes and makeup for the theatre.

CNA 339 Musical Theatre 3 Credit hours
Problems and techniques of musical theatre in production. All participates in the scheduled Musical Theatre production must register for this course.
Notes: This course may be repeated for a total of 6 hours.

CNA 342 Persuasion 3 Credit hours
The study of contemporary theories of persuasion and their applications. Persuasive appeals in political campaigns, social movements, and advertising are examined.
Prerequisites: CNA 100 and sophomore standing.

CNA 346 Organizational Communication I 3 Credit hours
Explores the nature and function of communication in organizations. Emphasis on concepts, skills for effective management of communication, analysis, and evaluation of formal and informal patterns of communication in organizations.
Prerequisite: CNA 100

CNA 352 Organizational Presentations 3 Credit hours
Develop expertise, poise, and confidence in presenting professional informative, persuasive, deliberative, and epideictic speeches for public, private, or business organizations. Emphasis is placed on both theory and application of public speaking, speech criticism, and listening skills in culturally diverse business and professional settings. Students employ presentation software when delivering a variety of business presentations such as informative, after dinner, persuasive, sales advertising, and team speeches.
Prerequisite: CNA 100

CNA 372 Media Ethics 3 Credit hours
An in-depth investigation of the ethical foundations underlying conduct of media professionals.

CNA 374 Public Relations 3 Credit hours
A study of the principles and practices of effective public relations with exercises and projects emphasizing application of media skills for business, educational, and political communication.
Prerequisite: CNA 100

CNA 377 Public Relations Writing 3 Credit hours
This course emphasizes writing skills needed in Public Relations work, awareness of Public Relations as a management strategy, the role of Public Relations in generating social awareness and responsibility, and the study of ethics in Public Relations.
Prerequisite: CNA 100

CNA 378 Performance for the Screen 3 Credit hours
This course focuses on basic performance techniques that are used in work as a newscaster, an interviewer or a talk show host, and an actor in various types of film productions. Special emphasis will be placed on developing roles for dramatic or comedic scenes.

CNA 379 Media Management 3 Credit hours
This course focuses on new media in converged environments and management practices, including radio, television, and print. Includes topics such as budgeting, staff, audience research, content development, promotion, sales, labor relations, governmental regulations, community responsibility, and other related subjects.

CNA 380 Shakespeare 3 Credit hours
Directed reading of Shakespeare's plays and poetry against the background of Renaissance culture.
Cross-listed: ENG 380

CNA 382 Movement Specialties: Combat for the Stage and Screen 3 Credit hours
This course focuses on the development and application of skills required of an actor combatant. The course includes both a historical overview and safe and proper technique training in unarmed combat and multiple weapons. It also covers the basics of fight choreography.
Prerequisites: CNA 101 and CNA 223; or instructor approval.

CNA 383 Film and Literature 3 Credit hours
An on-going series of courses concerned with the relationship (thematic, generic, social-historical, etc.) between cinema and literature.
Cross-Listed: ENG 383
Notes: May be repeated once for credit.

CNA 386 Modern World Drama 3 Credit hours
Readings of representative global dramatists in translations from Ibsen to the Post-Moderns.
Cross-listed: ENG 386

CNA 387 Lighting 3 Credit hours
Principles and practices of stage lighting, electricity, color, and effective use of lighting equipment.

CNA 389 Photojournalism 3 Credit hours
An introduction to planning, shooting, and processing still photographs for newspapers, magazines, and other print media. Designed for the student with little or no background in news photography. Laboratory experience on the college newspaper.
Class-fee: $30

CNA 390 Multiplatform Journalism 3 Credit hours
An overview of multiplatform journalism from brainstorming story ideas, to interviewing, writing for the web and broadcast, and multimedia journalism skills. Students will learn how to organize electronic newscasts and create online news stories using current applications.
Prerequisite: CNA 280

CNA 392 Sports Writing 3 Credit hours
Introduction to theory and practice of sports writing in various media. Students will analyze exemplary literature in the field as well as write game reports for publication in the college newspaper. Useful for students interested in such areas as critical sports studies, sports management, and journalism.

CNA 418 Health Communication 3 Credit hours
Explores theories, research, and applications of the symbolic processes by which people, both individually and collectively, understand and share ideas about health and illness. The course focuses on the communicative implications of health beliefs, practices, and policies with special emphasis on the core communication competencies of a health citizen, as well as the communication challenges for the health care practitioner.
Prerequisite: CNA 100

CNA 419 Advanced Directing 3 Credit hours
Advanced study of directing theories and required directing of short plays and films for public performance.
Prerequisite: CNA 318
Notes: 3 hours lab

CNA 426 Public Relations through Social Media 3 Credit hours
An introduction to current systems and practices used in Public Relations to create and maintain Internet-based interactive communications with customers and constituents. Students will create content hands-on and will be able to apply a conceptual framework including branding programs, Integrated Marketing Communications, and other professional, legal, and ethical standards and practices. This course draws from the fields of public relations writing, photography, video production, and/or other types of multimedia content creation.

CNA 431 Advanced Design 3 Credit hours
Advanced problems in scenic, costume, lighting, or sound design.
Prerequisite: Instructor approval
Notes: Topic varies. This course may be repeated up to a total of 9 hours, by advisement, when no duplication of topics exists.

CNA 432 Play Production for Secondary Schools 3 Credit hours
The study of principles and methods of play selection for, and directing design and execution of, theatre production in high schools.
Dual-listed: CNA 532

CNA 439 Musical Theatre 3 Credit hours
Problems and techniques of musical theatre in production. All participates in the scheduled Musical Theatre production must register for this course.
Notes: This course may be repeated for a total of 6 hours.

CNA 440 Intercollegiate Forensics 0-3 Credit hours
This course involves participation on the intercollegiate speech and debate team. Students develop advanced oral communication skills and compete against students from other colleges in debate, prepared speaking, and oral interpretation events. Team participation involves weekly meetings, practice sessions, and tournament travel.
Prerequisite: Instructor approval.
Notes: This course may be repeated for 4 years of undergraduate eligibility, per NFA/NIFA guidelines.

CNA 442 Communication and Rhetorical Theory 3 Credit hours
The study of various theories and models typically employed in communication studies today. Students explore the central assumptions, questions, and approaches in the study of human communication.
Dual-listed: CNA 542

CNA 443 Theatre Management 3 Credit hours
Examination of challenges and problems in commercial and nonprofit theatre organizations. Emphasis on curriculum, budgeting, fund-raising, season planning, development, and communication for all types of theatre organizations.
Dual-listed: CNA 543

CNA 447 Directing Communication Activities 3 Credit hours
A study and application of directing, coaching, and judging communication activities. The course will focus on the development of informative and persuasive speaking events, oral interpretation of literature and one-act play presentation.
Dual-listed: CNA 547

CNA 448 Organizational Communication II 3 Credit hours
Explores the networks, roles, rules, systems, communication climates, and superior-subordinate communication. Group process facilitation, and organizational intervention skills are developed.
Prerequisite: CNA 346

CNA 450 Media Design Applications 3 Credit hours
Survey of contemporary media software and design elements which includes the creative use of current print (newspaper, yearbook, and newsletters), video (editing, motion graphics, and animation), and audio software packages in professional content creation.
Prerequisite: CNA 100
Dual-listed: CNA 550

CNA 451 Speech Pathology 3 Credit hours
Characteristics, causes, and treatment of speech and hearing disorders. Designed for teachers to aid in recognizing speech and language disorders in the classroom.
Prerequisite: CNA 100
Dual-listed: CNA 551

CNA 452 Public Relations Case Studies 3 Credit hours
The study of the role of communication theory in Public Relations as it applies in business, politics, and non-profit organizations through the case study method. The management role in Public Relations will be studied, as well as the ethical responsibility of PR professionals. This course presumes prior knowledge of Public Relations principles and presumes effectiveness in public speaking.
Prerequisite: CNA 374

CNA 453 Integrated Brand Promotion 3 Credit hours
An exploration of strategic communication combining advertising, public relations, sales promotions, direct marketing, and other marketing communication functions to build relationships with constituents for business, organizations, and other groups. Includes case studies and hands-on projects.
Prerequisite: Junior standing or instructor approval.

CNA 454 Advanced Web Development 3 Credit hours
Advanced web applications, animation, and database/active-server pages. Includes focus on the function of the worldwide web in professional settings.
Prerequisite: CNA 426
Dual-listed: CNA 554

CNA 455 Senior Seminar in Communication Arts 3 Credit hours
Capstone course that involves the investigation of recent and ongoing research and theory in major field and their implications for continued research and field applications. Extensive training in listening, interviewing, and research skills. Completion of program portfolio required.
Prerequisites: CNA 100 and senior standing.
Dual-listed: CNA 555
Notes: Topics will vary. This course cannot be repeated.

CNA 457 Special Topics in Communication 3 Credit hours
A detailed study of a particular aspect of communication, such as but not limited to political communication, gender and communication, communication and aging.
Notes: Topic varies and the course can be repeated up to 3 times for credit covering a different topic.

CNA 458 Advanced News Writing and Reporting 3 Credit hours
Course deals with major political, social, and economic developments that have local news interest. Complex, off-campus reporting on judicial system and court reporting, environmental, criminal justice, budgets, labor and employment, housing, poverty, etc. Will examine how bias and ideological framing arise from news routines.
Prerequisites: CNA 280 and one course in Social Sciences.

CNA 459 Organizational Leadership 3 Credit hours
An introduction to the study and practice of leadership from a communication perspective. Particular focus on the relationship between communicating and leading. Examination of leadership concepts and theories in organizational group and public contexts. Students will analyze leadership styles and develop leadership skills through team projects and classroom activities.
Prerequisites: CNA 100 and sophomore standing.

CNA 460 Leadership Theory 3 Credit hours
An in-depth analysis of leadership theory and influence from a communication perspective. Using a variety of frameworks and approaches, the focus is on communication patterns in leadership issues and theory.
Prerequisites: CNA 100 and sophomore standing.

CNA 461 Case Studies in Organizational Leadership 3 Credit hours
Historical and current case study and analysis of leadership from a communication perspective. Students will research and critically analyze specific cases dealing with leadership styles and attitudes with emphasis on leadership character, credibility, ethical and compliance gaining examples/strategies from private, public, and corporate organizations.
Prerequisite: CNA 100

CNA 462 Communication Research Methods 3 Credit hours

Focuses on methodologies and designs used in Communication Studies, Mass Communication, and Public Relations communication campaigns. Students will evaluate the research of others as well as design their own studies.

Prerequisites: CNA 100 and junior standing.

CNA 463 Advanced Media Writing 3 Credit hours

A writing-intensive class that focuses on advanced writing skills applicable to multi-media, cross-platform writing. Includes a broad-based grounding in stylistic elements and allows individual students to focus on specific types of writing for detailed exploration, including, but not limited to, in-depth print and electronic journalistic writing, screen writing, and other interests. Uses a writer's community format for interactive peer support. Emphasizes writing processes as well as outcomes.

Prerequisite: Select one of the following: CNA 262, CNA 280, CNA 377, CNA 390, or CNA 458.

CNA 465 Qualitative Research Design 3 Credit hours

This course is an introduction to the methodology and practice of qualitative research. The focus of this course is on five different approaches to qualitative research: Narrative Inquiry, Phenomenology, Case Study, Ethnography, and Grounded Theory. Students will collect and analyze qualitative data and develop a mini-qualitative research project.

Prerequisite: Junior standing

CNA 467 Intercultural Communication 3 Credit hours

A course aimed at developing a thorough understanding of communication and culture, in both global and community settings, and the way members of diverse cultures and subcultures utilize unique systems, symbols and media representation to communicate among themselves and other groups. Emphasis on media representation of minority groups and U.S. sponsored health/public welfare campaigns in developing nations will enable students to critically assess the communication process in a cultural context.

Dual-listed: CNA 567

CNA 470 Family Communication 3 Credit hours

An in-depth study of family communication concepts including family systems, roles, networks, power, intimacy, and decision-making. Special attention will be given to research affecting family communication in such areas as gender, culture, race, and age.

Prerequisite: CNA 100

Dual-listed: CNA 570

CNA 471 Mass Media and Society 3 Credit hours

In-depth critical perspective of mass communication theoretical development and audience effects, including short and long term media socialization, political propaganda, advertising, social control, and characteristics shared by all media.

Prerequisite: CNA 263

CNA 472 Sound Design 3 Credit hours

Study of advanced techniques in preparation, production, and presentation of Audio materials in electronic media. Includes multi-track recording and editing, film soundtrack audio, radio and podcast production, and audio needs of developing media.
Prerequisite: CNA 162 or major in Mass Communication/Digital Film Production and Theory.

CNA 473 Video and Film Production II 3 Credit hours

Study of advanced video and film-making techniques for program and non-program content in standard, cable, and specialized video. Instruction includes post-production, digital editing, color correction, sound engineering, and distribution.
Prerequisite: CNA 162
Class fee: $30
Notes: Lab hours required

CNA 475 Communication Law 3 Credit hours

An overview of the laws, regulations, and court cases affecting personal and organizational communication. Topics addressed include freedom of speech, libel and slander, privacy, regulation of advertising, copyright and trademark, and Internet and media law. Case studies emphasize how the courts interpret and apply the law.
Prerequisite: CNA 100

CNA 477 Remote TV Production 3 Credit hours

The art of electronic field production, logging, videotape editing. Training in specialized videotaping of sports, on-the-spot interviews, hard news, and features.
Prerequisites: CNA 162, CNA 263, CNA 274, and CNA 473. CNA 473 may be taken as a corequisite with instructor approval.
Notes: This course may be repeated for a total of 6 credit hours.

CNA 478 Communication Ethics 3 Credit hours

Explores communication and ethics in various areas of communication studies (i.e., interpersonal, small group, organizational, political, family, health, and media communication). The course will examine ethical dimensions of communication such as truthfulness, openness, politeness, sensitivity to others, listening, respect, and storytelling through the domain of popular discourse of film and television. Students will learn how to conduct a discourse analysis in their areas of interest through the examination of ethical messages in a variety of communication situations portrayed in film, television, or texts.
Prerequisite: CNA 100

CNA 479 Animation and Motion Graphics Applications 3 Credit hours

A study and application of techniques used in developing 2-D, 3-D, stop motion animation, and motion graphics. Students learn advanced theory and mechanics behind animation development, fundamental principles of character design, layout, storyboarding animation, and motion graphics for various media applications.
Prerequisite: CNA 450

CNA 480 Senior Seminar in Mass Communication 3 Credit hours

Students enrolled in this seminar will develop a cumulative portfolio of work that demonstrates the growth of their abilities in various areas of mass communication while developing tools for career readiness. The portfolio may include any of the following types of student work: writing, photography, audio, video, or electronic media projects. In conjunction with faculty, students research regional and national media employment trends, and develop a portfolio that best reflects their chosen mass communication career. Faculty will review the portfolio and conduct a qualitative exit interview for the purpose of program review and assessment. The review of the portfolio and the exit interview must be completed to graduate.

Prerequisite: 90 credit hours

CSC 150 Programming Fundamentals I 3 Credit hours

An introduction to modern programming and problem-solving methods using a high-level programming language. Emphasis on algorithm development, top-down design, and structured programming. Topics include data types, files, I/O operations, control structures, functions, arrays, strings, and records. Software documentation and testing will be included as an integral part of the course.

CSC 160 Programming Fundamentals II 3 Credit hours

This course is an exploration of the object-oriented paradigm as a means of creating and maintaining computer applications. In addition to providing instruction in object-oriented programming concepts and methodologies, this course will provide students with syntax.

Prerequisite: CSC 150

CSC 165 Introduction to Web Development 3 Credit hours

An introduction to the development and implementation of pages for the World Wide Web. Introductory use of web programming language (s) and web development tools will be introduced. This course will also address introductory-level development methodologies, layout, functionality, content creation, and basic content management.

CSC 178 Introduction to Robotics 3 Credit hours

This course provides students with very elementary introductory robotics instruction including robotics terminology, concepts, design principles, and control principles. Control of robots by both direct human interaction and by autonomous means is addressed. Students will use beginner-level robotics kits and other learning tools to practice what they learn in this course as they design and operate the robots to perform predetermined tasks.

CSC 310 Data Structures 3 Credit hours

A study of common abstract data types (stacks, queues, lists, trees, etc.) and their implementation using a modern object-oriented programming language; techniques for operating on these data structures; and the distinction between specification and implementation. Topics include sorting and searching, analysis of algorithms, and algorithm design techniques.

Prerequisite: CSC 160

CSC 320 Computer Organization 3 Credit hours

An introduction to the internal organization of a computer as a collection of related hardware components and software systems. Topics include representation and storage of digital information; organization and role of various components of a computer; underlying concepts of computer design; and an examination of various computer software systems (interpreters, compilers, assemblers, operating systems, etc.).
Prerequisite: CSC 150

CSC 345 Computer Graphics 3 Credit hours

The study of the fundamental mathematical, algorithmic, and representational issues in computer graphics, with emphasis of 3-dimensional graphics. The topics to be covered are: overview of the graphics process, projective geometry, homogenous coordinates, projective transformations, line-drawing, surface modelling and object modelling using spatial sampling and parametric functions, approaches to rendering including ray tracing and radiosity, texture synthesis and mapping.
Prerequisite: CSC 160

CSC 363 Human-Computer Interaction 3 Credit hours

This course is an exploration of how humans interact with computing devices. The dimensions of human-computer interaction (physical, psychological, etc.) are examined. Hardware design, software design, operation, environment, and other factors are considered. An integrated framework for considering HCI evaluation and HCI systems design/operation is utilized.
Prerequisite: CIS 132 or CSC 150.

CSC 365 Scripting Languages 3 Credit hours

This course is a study of modern scripting languages and their role in traditional and emerging information systems. Focus is in the ability of these server-side languages to extend the capabilities of HTML by providing greater control over content, style, and functionality. In addition, special emphasis will be placed on the integration of these languages with a popular database engine and/or other information systems technologies.
Prerequisite: CSC 150 or instructor approval.

CSC 378 Robotics 3 Credit hours

An introduction to the fundamental concepts of robotics and robotic programming. Students will work in teams to construct and test progressively more complex mobile robots. There is a possibility of participation in one or more robotics competitions. Basic concepts will be discussed, including coordinate transformations, sensors, path planning, stressing the importance of integrating sensors, effectors, and control.
Prerequisite: CSC 150

CSC 380 Operating Systems 3 Credit hours

An overview of the structure and design of an operating system-the software interface between the user and the hardware. Topics include process management, memory management, device management, file management, concurrency, distributed systems, and security.

CSC 390 Computer Science Practicum 3 Credit hours

An individualized assignment arranged with a campus administrative unit, area business, or other organization to provide supervised experience in computer science, information technology, or a closely related field.

Prerequisites: CSC 320, CIS 372, and instructor approval.

Notes: This course may be repeated for 3 additional hours of general electives only.

CSC 442 Programming, Design, and Documentation 3 Credit hours

An introduction to and an exploration of computer programming, program development approaches, systems analysis and design principles, algorithm development, debugging, programming tools, diagramming, documentation, program testing, program implementation approaches, human-computer interaction, and related topics. Concepts for procedural and object-oriented programs will be explored. Students will create program solutions coded in a common high-level language. Students will also gain familiarity with applications development tools and strategies for testing and debugging code. While exploring these topics, students will also be presented with instructional strategies for teaching such material and managing classroom activities related to the material. Each student will create a written reflection on these topics from the perspective of an educator.

Dual-listed: CSC 542

CSC 448 Web and Multimedia Content Design and Administration 3 Credit hours

This course is a study of digital media, multimedia, and web-based media and applications. The various forms of digital media will be presented. Approaches to integrating multiple forms of digital media into multimedia presentations of projects will be addressed. Current multimedia tools will be introduced. The creation and management of web-based media and applications will also be explored. Markup languages and web creation tools will be addressed. Design strategies, content management strategies, security, aesthetics, and related topics will be considered. Students will also be presented with approached to teaching the topics contained in this course and will be asked to create a written reflection, from an educator's perspective, on teaching these topics.

Dual-listed: CSC 548

CSC 450 Server Security and Management 3 Credit hours

Server management is a comprehensive course that teaches students how to implement mission-critical services on various networking platforms. Students install and configure Web, e-mail, and proxy servers and receive in-depth understanding of how to connect e-commerce databases to Web servers. Additional topics may include system backup, load balancing issues, and Internet security.

Prerequisite: CIS 372 or instructor approval.

CSC 465 Advanced Web Development 3 Credit hours

This course provides students with advanced theory and practice in web development. It addresses the advanced capabilities of web development tools. Design methodologies are also explored. Additional topics such as content management systems, web administration, and relationships of the website to other organizational and external systems are considered.

Prerequisite: CSC 165

CSC 478 Robotics for Industrial Technology 3 Credit hours

An exploration of basic robotics concepts and robotics programming/operation with an emphasis on applicability to industrial settings. Basic concepts will be discussed, including coordinate transformations, sensors, and path planning, stressing the importance of integrating sensors, effectors, and control.

CSC 480 Seminar in Computer Science 3 Credit hours

A project-oriented course where students, with the assistance of the instructor, explore one or more areas of current importance in computer science. The students will design and develop a sophisticated software project that will be presented and discussed for critical evaluation.
Prerequisites: Completion of 90 semester credit hours and CSC 310.

E

EAS 110 Introduction to Meteorology 4 Credit hours

An introduction to the Earth as planet with special emphasis being placed upon atmospheric and oceanic processes. High school mathematics is used extensively in this course.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

EAS 120 Introduction to Geology 4 Credit hours

A study of the solid earth in terms of its internal structure and surface landforms. High school mathematics is used extensively in this course.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

EAS 250 Discover Astronomy 3 Credit hours

A course that examines current or special topics in Astronomy. Emphasis will be placed upon discussions and interactive investigations about astronomical subjects.
Class fee: $30
Notes: 4 hours lecture and lab combined. This course may be repeated for a total of 6 hours when no duplication of topics exists.

EAS 302 Astronomy 4 Credit hours

An analytical study of astronomy that includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth/moon system, the sun as a star, stars, galaxies, and life in the universe.
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

EAS 310 Excel for the Physical Sciences 1 Credit hour

An introduction to Microsoft Excel spreadsheet software. Topics are relevant to the physical sciences and may include spreadsheet creation, data manipulation, graphing, statistical analysis and uncertainty determination, integration, trigonometric functions, and logical tests. Recommended for students pursuing a major or minor in a physical science.

EAS 320 Rocks and Minerals 3 Credit hours

A study of the formation of minerals, including why they have specific physical and chemical properties, and how minerals combine to form a variety of rocks in the earth's crust.
Prerequisite: A grade of C- or better in EAS 120 or instructor approval.
Class fee: $30
Notes: 2 hours lecture, 2 hours lab

EAS 340 Environmental Geology 3 Credit hours

A study of the relationship between man and his geological surroundings, with emphasis on case histories of natural disasters and human interactions with earth materials. Geological materials and land use will be examined as they relate to environmental quality.
Prerequisite: A grade of C- or better in EAS 120 or instructor approval.

EAS 350 Topics in Earth Science 1-3 Credit hours

A study of topics of special interest in the field of Earth Science.
Notes: This course may be repeated up to a total of 6 hours with different topics.

EAS 360 Global Climate Change 3 Credit hours

A study of how and why Earth's climate has changed and how the climate is likely to change in the future. Environmental, economic, social, and political issues associated with climate change will also be explored.
Prerequisite: A grade of C- or better in either EAS 110 or EAS 120, or instructor approval.
Notes: 2 hours lecture, 2 hours lab

EAS 370 Research in the Earth Sciences 1-3 Credit hours

Completion of an individual research project under the mentorship of a faculty member. The nature of the project will be determined collaboratively between the mentor and student and may include, but is not limited to, library research, data collection, data analysis, scientific writing, and oral presentations.
Prerequisite: Approval by a faculty research mentor.
Notes: This course may be repeated up to a total of 6 hours.

EAS 393 Laboratory Techniques 1 Credit hour

Assisting in the preparation and evaluation of laboratory activities in one lab per week.
Prerequisite: Junior standing

EAS 410 Historical Geology 4 Credit hours

A study of the geological and biological evolution of the earth as seen in the rock record and in fossilized remains of past life forms. Special emphasis is placed on North America.
Prerequisite: EAS 120
Class fee: $30
Notes: 3 hours lecture, 3 hours lab

EAS 430 Oceanography 3 Credit hours

An analytic study of the ocean floor, inherent motions of water and the chemical properties of the oceans.
Dual-listed: EAS 530

EAS 440 Field Hydrology 3 Credit hours

Theory and practice of quantifying hydrologic phenomena in the field. The course includes methods for performing hydrologic measurements, data manipulation and limitations, and environmental applications.
Prerequisite: A "C-" or better in either EAS 110 or EAS 120.
Class fee: $30
Notes: 2 hours lecture, 3 hours lab

ECO 202 Principles of Macroeconomics 3 Credit hours

In this course the principal macroeconomic measurements of national production; unemployment and inflation will be introduced. Theories of how these measures interact and how they are influenced by activity in households, businesses, the Federal Government, and the Federal Reserve System, as well as the impact of international trade, will also be studied.

ECO 203 Principles of Microeconomics 3 Credit hours

In this course the principal microeconomic market model of supply and demand will be studied. Additional topics introduced to add to our understanding of the basic model will include resource allocation concepts, production and cost theory, consumer theory and market structure conditions.

ECO 301 Applied Economic Analysis 3 Credit hours

The economic motivation of consumers and producers will be explored in the context of individual markets, the national economy, and international trade. Applying economic concepts to current events and policy issues will be emphasized.

ECO 305 Economics for Managers 3 Credit hours

The application of economic concepts to decision-making problems faced by managers in private or public sector organizations. The strategic nature of pricing and output decisions is explored in the context of product demand, production and cost, market structure conditions, and public policy.
Prerequisite: ECO 203

ECO 310 Money and Banking 3 Credit hours

A study of the historical evolution of the United States money and financial institutions, their current status, regulation and its impact on the whole economy. Topics include regulatory functions of the Central Bank and their relationships to sectoral, regional and aggregate output, price level and employment, an introduction to monetary theory and policies.
Prerequisite: ECO 202

ECO 320 Labor Economics 3 Credit hours

A study of the labor market focusing on demand for labor, supply of labor, wage determination and occupational wage differential, investment in human capital, discrimination and labor market outcomes, collective bargaining, industrial relations, labor laws, employment, unemployment, and related public policy issues.
Prerequisites: ECO 203 and admission to the business administration program.

ECO 345 Engineering Economics 3 Credit hours

Engineering economics is the application of economic techniques to the evaluation of design and engineering alternatives. The role of engineering economics is to assess the appropriateness of a given project, estimate its value, and justify it from an engineering standpoint. This course covers the time value of money and other cash-flow concepts, reviews economic practices and techniques used to evaluate and optimize engineering decisions and discusses the principles of cost analysis.

ECO 365 Economics of Agriculture 3 Credit hours

Evaluation of factors that affect demand and supply for food markets, price behavior, structure of markets, and marketing channels within the agriculture industry. Economic implications of public policies on agriculture markets are explore.
Prerequisites: 3 hours of economics or instructor approval, and admission to the business administration program.

ECO 375 Natural Resource Economics 3 Credit hours

Economic application of natural resource markets, impacts of resource use as an input, pricing of renewable and non-renewable resource, and an exploration of policy implications on natural resource markets. Specific markets discussed may include energy, water, forestry, and fisheries.
Prerequisites: 3 hours of economics or instructor approval, and admission to the business administration program.

ECO 426 Quantitative Economics 3 Credit hours

Applies statistical analysis to data typically generated in business and economic settings. The classical regression model is the focal point of the course. Extensions of the model are considered in situations where the basic model is not appropriate. Topics may include serial correlation, categorical variables, cross section data, and simultaneous equations.
Prerequisites: ECO 305, ECO 310, BUS 226, and admission to the business administration program.

ECO 430 International Economics 3 Credit hours

A study of the principles and theories of international trade, finance, foreign investment, barriers to trade, and international economic cooperation. This course provides the necessary tools to interpret, evaluate and analyze the changing international economy.
Prerequisite: 3 hours of Economics.

ECO 444 Topics in Economics 3 Credit hours

Current or special issues in Economics will be examined. The course offers students the opportunity to discuss relevant issues facing society.
Notes: This course may be repeated, by advisement, with different topics.

EDU 150 Introduction to Professional Education 3 Credit hours

Students are introduced to teaching as a profession through the historical, cultural, and philosophical foundations of educational systems. Students will explore various aspects of education, as well as their beliefs and values about teaching and learning through the exploration of professional knowledge, practice, and values. This course may include a field experience.

EDU 216 Children's Literature 3 Credit hours
A study of children's literature to include historical development, contemporary topics and trends, genre, author/illustrator study, and integration into the elementary curriculum.

EDU 217 Diverse Family Systems 2 Credit hours
The conflict between assumptions and realities in regard to the modern American family and its effect on the learning of children is the focus of this course. Students will begin to understand the developmental stages of careers, families and individuals and the study of systems theory. Students will examine techniques and programs to involve families in assessing and planning for individual children including children with disabilities and developmental delays and gifted children. The study of parenting relationships within families and communities and identifying and working with at-risk children, children of diverse cultures, and children of dysfunctional families prepare students to link the school with the community.

EDU 230 Integrating the Creative Arts for Children 3 Credit hours
This activity-based course will use the integration of art, music, theatre, and movement with the major curricular themes in early childhood education to extend and enrich learning. Through interdisciplinary themes and connections the students will be guided in the development and sharing of thematic units, hands-on activities, and instructional strategies with respect to curricular integration.

EDU 245 Preparing for Level 2: Teacher Candidacy 0 Credit hours
This course is designed for students in Level 1 of WSC's educator preparation programs who are progressing into Level 2. Students will receive valuable information including, but not limited to, admission, program progression, degree and certification requirements, the use of portfolio software, professional dispositions for success, etc.
Notes: Graded S/NC

EDU 250 Human Development and Cognition 3 Credit hours
Students construct a conceptual basis for understanding the growth and development of learners. Theories of physical, cognitive, and socio-emotional development are explored in order to better understand the importance of the nurturing role of the teacher in human development and learning. Students begin to understand the human learning process and individual differences in how learners think and behave based on their unique characteristics. Students study theoretical models and the integration of models for planning and facilitating effective and differentiated experiences for diversified learners. This course will include field experience.
Prerequisite: EDU 150
Corequisite: EDU 245

EDU 275 PK-12 Instructional Design 3 Credit hours

Students will practice instructional design methodologies or analysis, design, development, implementation, and evaluation. To explore and learn to recognize their biases, including but not limited to sexism, racism, prejudice, and discrimination, students will develop an awareness of the impact such biases have on their interpersonal relations. Students will be challenged to reflect on how they can relate more effectively to other individuals and groups in a pluralistic society in order to promote equitable approaches to instructional design. This course fulfills the human relations component established by the Nebraska Department of Education. This course may include a field experience.

Prerequisite: EDU 150

Prerequisite or corequisite: EDU 250

EDU 302 Curriculum, Standards, and Assessment in the Elementary School 3 Credit hours

A holistic view of curriculum planning, implementation, standards, and assessment in the elementary school. To understand and apply the knowledge and skills needed to benefit elementary student learning and growth, a primary focus in this course will be on the applications of data literacy and the employment of data analysis and evidence to develop supportive school environments that align curriculum, assessment, and instruction. This emphasis on data literacy will enhance the learner's ability to understand the rationale for school districts in having a clear vision, mission, and purpose when making curriculum and assessment decisions and how these decisions connect with the overall history, culture, and traditions of a society.

Prerequisite: Acceptance to Educator Preparation.

EDU 303 Developmentally Appropriate Practices for the Young Child 3 Credit hours

A methods course focusing on effective strategies for working with young children (birth through age 8). Emphasis is placed on inquiry and critical thinking in social studies, science, health and safety as well as classroom management.

Prerequisites: FCS 120, FCS 220 and FCS 335.

Notes: Completion of any Level not required.

EDU 310 Reading, Writing, and Assessment in Content Areas 2 Credit hours

This course outlines the essentials of the reading processes and skills necessary for secondary students to become proficient learners of content, the incorporation of reading instruction into content delivery, and examination of the Nebraska Language Arts standards. The course also provides candidates with a solid foundation in educational assessment.

Prerequisite: Acceptance to Educator Preparation.

EDU 318 Professional Communication 3 Credit hours

Students will examine the concepts of written and spoken communication as practiced in a healthy, productive school environment with a focus on human interaction. Students will evaluate their communicative ability in parent-teacher conferencing, staff meetings, and interpretations of test results and in day-to-day communication with students, colleagues, and administration.

Prerequisite: Acceptance to Educator Preparation.

EDU 320 Instructional Media and Technology 2 Credit hours
To prepare emergent professionals for the task of assisting PK-12 students in building an understanding of the role of media in society as well as developing the essential skills of inquiry and self-expression necessary for citizens of a democracy to access, analyze, evaluate, and create messages in multiple forms including, but not limited to, print, video, Internet, and other current technologies.
Prerequisite: Acceptance to Educator Preparation.
Notes: Lecture and lab combined.

EDU 331 Development of Physical Education and Health in the Elementary School 3 Credit hours
To prepare emergent professionals to be confident in their ability to implement Physical Education and Health and to create an environment in which students become confident learners and participants of Physical Education and Health.
Prerequisite: Acceptance to Educator Preparation.

EDU 332 Development of Language Arts in the Elementary and Middle School 3 Credit hours
To prepare emergent professionals to become confident in their ability to develop and implement quality instruction in the language arts, with an emphasis on writing, listening, and speaking.
Prerequisites: Acceptance to Educator Preparation and successful completion of or concurrent enrollment in either EDU 340 or EDU 341.

EDU 335 Practicum Experience I 1 Credit hour
Incorporating knowledge, skills, and dispositions developed in all previous and current Professional Education and Elementary Field Endorsement course work. Will include 40 hours of supervised field experience.
Prerequisite: Acceptance to Educator Preparation.

EDU 340 Early Reading 3 Credit hours
Current methods, materials, and research findings related to the teaching of reading up through the primary level. Comprehension, fluency, phonemic awareness, and phonics instruction will be addressed.
Prerequisites: Acceptance to Educator Preparation and EDU 216.

EDU 341 Intermediate Reading 3 Credit hours
Current methods, materials, and research findings related to the teaching of reading at the intermediate level. Content area reading, vocabulary development, and comprehension will be addressed.
Prerequisites: Acceptance to Educator Preparation and EDU 216.

EDU 350 The Middle Level Teacher 3 Credit hours
In this course, students will examine the history and philosophy of middle level education, the concepts of teaming and learning communities, knowledge specific to curriculum and learner-centered instructional design in the core subjects, assessment appropriate for middle level learners, and other organizational and communication models specific to middle level education.
Prerequisite: Candidacy in Educator Preparation.
Notes: This course should be taken prior to enrollment in EDU 332, 423, 431, 432, and the required sections of EDU 409.

EDU 375 Teacher Academy 1 Credit hour

This course is designed to assist current educator preparation students to obtain a Nebraska local substitute teaching permit. Students will learn key strategies and techniques to help them achieve success as a substitute teacher. Discussion and reflection of substitute teaching experiences will occur as these teaching experiences complement the other required field-focused clinical experiences. Students will continue learning about crafting and delivering lesson plans, teaching methodologies, assessment activities, student motivation and management, and professionalism.
Prerequisite: Acceptance into the Northeast Nebraska Teacher Academy.
Notes: This course may be repeated.

EDU 380 Models of Discipline for the Secondary Classroom 2 Credit hours

To assist 7-12 pre-service teachers to develop an optimal discipline system. This development reflects the belief that the most effective discipline system is one designed by the individual teacher. The course further assists the preservice teacher to organize and implement a discipline system that addresses student needs, social realities, and diverse styles of learning and teaching.
Prerequisite: Acceptance to Educator Preparation.

EDU 382 Strategies and Techniques for the Classroom 3 Credit hours

This field-focused course encourages discussion and reflection on past, current, and future field-based experiences. Relying on research-based strategies and techniques, students will learn how to: prepare and deliver comprehensive lesson plans that promote student achievement; enact responsive, inclusive, and differentiated pedagogies; employ appropriate formative assessment activities; organize student-centered learning environments; identify appropriate classroom and behavior management strategies; and demonstrate professional attitudes and behaviors expected of the profession. This course may be repeated with permission from PPC.
Prerequisite: Acceptance into Level 2.

EDU 409 Content Area Methods and Assessment 3 Credit hours

This course examines the essential knowledge, skills, dispositions, and innovative applications of content needed for effective teaching in the 21st Century. Specific content-area topics include instructional planning for differentiated instruction; effective strategies, techniques, materials, and assessment methods; reading and writing in the content area; classroom management; and the relationship of the content area to standards-based curriculum.
Prerequisite: Acceptance to Educator Preparation.
Corequisite: EDU 414

EDU 414 Content Area Practicum Experience 1 Credit hour

This 80-clock hour minimum (60 hours in classroom plus 20 hours in activities related to teaching) content specific clinical experience is designed to induct students into classroom teaching and develop an awareness of the many roles of a professional educator. Under the mentorship of a practicing K-12 educator, students will assist/co-teach/teach. Students will also actively participate in school-related activities commonly encountered by professional educators.
Prerequisite: Acceptance to Educator Preparation and successful completion of or concurrent enrollment in EDU 409.

EDU 415 ESL Programs, Curriculum, and Assessment 3 Credit hours
A course to examine programs providing appropriate education for English Language Learners. Curriculum will be evaluated relative to the research in second language acquisition. Modules on formal assessment for placement and growth and informal (authentic) assessment will also be provided. Clinical experience will be included.
Prerequisite: Acceptance into Level 2.
Dual-listed: EDU 515

EDU 416 ESL Methods and Assessment 3 Credit hours
A course designed to examine methods appropriate for English Language Learners including sheltered English, total physical approach, comprehensions based and affective-humanistic approaches. Techniques for an authentic (informal) assessment of Limited English Proficient students and goal setting based on results of formal assessment as well as clinical experience will be included.
Prerequisite: Acceptance into Level 2.
Dual-listed: EDU 516

EDU 417 English as a Second Language Practicum PK-12 3 Credit hours
A course designed to offer students opportunities to work within English as a Second Language PK-12 programs and develop skill in methods and assessment relating to English Language Learners. Reflection and peer discussion will be part of the course. All students will complete a minimum of 45 hours in a PK-12 classroom setting.
Prerequisites: Acceptance into Level 2, EDU 415, and EDU 416.
Dual-listed: EDU 517

EDU 423 Development of Social Studies in the Elementary and Middle School 3 Credit hours
To prepare emergent professionals to become confident in their ability to implement Social Studies and to create an environment in which students become confident learners and participants of Social Studies.
Prerequisite: Acceptance to Educator Preparation.

EDU 430 Literacy Assessment 3 Credit hours
The assessment, analysis, and instruction of children's literacy development to include a field experience.
Prerequisite: Acceptance to Educator Preparation and successful completion of EDU 340 or 341.
Dual-listed: EDU 530

EDU 431 Development of Science in the Elementary and Middle School 3 Credit hours
To prepare emergent professionals to become confident in their ability to implement Science activities and to create an environment in which students become confident learners and participants of Science.
Prerequisites: Acceptance to Educator Preparation and completion of one course in General Studies Biology or Physical Science.

EDU 432 Development of Mathematics in the Elementary and Middle School 3 Credit hours
To prepare emergent professionals to become confident in their ability to implement Mathematics and to create an environment in which students become confident learners and participants of Mathematics.
Prerequisites: Acceptance to Educator Preparation and completion of all course work except the Professional Semester and Clinical Practice.

EDU 435 Practicum Experience II 1 Credit hour
Students will incorporate knowledge, skills, and dispositions developed in all previous and current Professional Education and Elementary/Early Childhood Field Endorsement course work.
Prerequisites: Acceptance to Educator Preparation and successful completion of EDU 335 (for elementary education) or FCS 412 (for early childhood education).
Notes: This course includes 40 hours of supervised field experience.

EDU 440 Reading and Writing Practicum PK-6 1 Credit hour
EDU 430 must be taken concurrently or prior to EDU 440. A course designed to offer students opportunities to work within a PK-6 school literacy program to assist with developing skills in teaching methods and assessment relating to Reading and Writing. Reflection and peer discussion will be part of the course. All students will complete a minimum of 20 hours in a PK-6 classroom setting.
Prerequisites: EDU 216, EDU 332, EDU 340 or EDU 341, EDU 415, and EDU 416.

EDU 441 Reading and Writing Practicum 7-12 1 Credit hour
A course designed to offer students opportunities to work within a 7-12 school literacy program to assist with developing skills in teaching methods and assessment relating to Reading and Writing. Reflection and peer discussion will be part of the course. All students will complete a minimum of 20 hours in a 7-12 classroom setting.
Prerequisites: ENG 442, ENG 443, ENG 444, EDU 310, EDU 415, EDU 416, and EDU 430.

EDU 444 Special Topics in Education 3 Credit hours
Selected topics related to education outside other courses.
Dual-listed: EDU 544
Notes: May be used once as an elective.

EDU 445 Preparing for Level 3: Clinical Practice 0 Credit hours
This course is designed for graduate students in Level 2 of WSC's educator preparation program who are progressing into Level 3 and those completing clinical practice to change endorsement levels. Two virtual sessions will be held at the beginning of each academic session for graduate teacher candidates planning to student teach in the following semester. Graduate teacher candidates will attend one of the two virtual sessions to receive valuable information including, but not limited to, how to apply for Clinical Practice, an overview of Clinical Practice requirements, rules regarding placement choices and department approval requirements.
Dual-listed: EDU 545
Notes: Graded S/NC

EDU 450 Clinical Practice and Seminar for Early Childhood 3-12 Credit hours

A semester course of full day learning experiences in an early childhood setting under the supervision of a cooperating pre-K to grade 3 classroom teacher and a supervisor from the School of Education and Behavioral Sciences. On-campus seminars will be offered periodically throughout the semester. This is the culminating experience of the early childhood inclusive education pre-service educator preparation program.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC. Students in the Growing Together residency program will enroll for 3 credit hours in their first semester and 12 credit hours in their second semester (this course may be repeated by residency students only). All other students will enroll for 12 credit hours in one semester.

EDU 452 Clinical Practice and Seminar for Elementary School 3-12 Credit hours

A semester course of full day learning experiences in an elementary school under the supervision of a cooperating K-6 classroom teacher and a supervisor from the School of Education and Behavioral Sciences. On-campus seminars will be offered periodically throughout the semester. This is the culminating experience of the elementary pre-service educator preparation program.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC. Students in the Growing Together residency program will enroll for 3 credit hours in their first semester and 12 credit hours in their second semester (this course may be repeated by residency students only). All other students will enroll for 6 or 12 credit hours in one semester.

EDU 454 Clinical Practice and Seminar for Middle Level 3-12 Credit hours

A semester course of full day learning experiences in the middle level under the supervision of a cooperating 5-9 teacher, a supervisor from the School of Education and Behavioral Sciences, and a faculty member from each content subject area. On-campus seminars will be offered periodically throughout the semester. This is the culminating experience of the middle level pre-service educator preparation program.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC. Students in the Growing Together residency program will enroll for 3 credit hours in their first semester and 12 credit hours in their second semester (this course may be repeated by residency students only). All other students will enroll for 6 or 12 credit hours in one semester.

EDU 456 Clinical Practice and Seminar for the Secondary School 3-12 Credit hours

A semester course of full day learning experiences in a secondary setting under the supervision of a cooperating 7-12 classroom teacher, a supervisor from the School of Education and Behavioral Sciences, and a faculty member from the appropriate content area. On-campus seminars will be offered periodically throughout the semester. This is the culminating experience of the secondary pre-service educator preparation program.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC. Students in the Growing Together residency program will enroll for 3 credit hours in their first semester and 12 credit hours in their second semester (this course may be repeated by residency students only). All other students will enroll in 6 or 12 credit hours in one semester.

EDU 457 Human Relations in a Pluralistic Society 1 Credit hour
A study of issues and sensitivity to biases in human relations as they impact people of a pluralistic society with varied histories, values, and lifestyles. Develop abilities to recognize, and use strategies and skills to deal with dehumanizing biases, including, but not limited to sexism, racism, prejudice, and discrimination and promote respect for human dignity and individual rights, and celebrate the differences of individuals and groups in a pluralistic society that makes it viable.
Dual-listed: EDU 557

ENG 102 Composition Skills 3 Credit hours
This course provides instruction and practice in a variety of writing, reading, and critical thinking skills, with emphasis on forming experiences, ideas, and opinions into a coherent essay. The types of writing assignments vary among instructors, but students can expect to write expressive, analytical, and persuasive essays, some of which will involve the use of secondary sources. This course will hone students' grammatical and punctuation skills, as needed.
Notes: Grade below "C" receives no credit.

ENG 105 English for Nonnative Speakers 3 Credit hours
This course is designed for students whose first language is not English. The course will help students expand vocabulary and improve reading, writing, listening, and speaking skills.
Notes: This course does not count for General Studies credit.

ENG 150 Topics in Literature 3 Credit hours
Students will read and analyze selected literary works. The course focuses on the relation of literature to place, biography, culture, gender, class, and race. Students will be introduced to the principles of close reading, interpretation, and criticism of literary texts.

ENG 200 Expository Writing 3 Credit hours
This course is intended to refine writing skills learned in earlier composition classes. The course will deal exclusively with expository writing (that is, non-fiction prose essays that explain, analyze, and evaluate ideas) and topics will vary considerably. Class time will be divided between discussing examples of expository writing and working to improve individual writing.
Prerequisite: ENG 102 or an equivalent course.

ENG 202 Poetry Workshop 3 Credit hours
Study of and practice in the techniques of poetry writing for the beginning student.

ENG 203 Fiction Workshop 3 Credit hours
Study of and practice in the techniques of writing short fiction.

ENG 204 Creative Nonfiction Workshop 3 Credit hours
Study of and practice in the techniques of writing creative nonfiction, or fact-based writing that is crafted in a way that is both artistic and accessible rather than scholarly.

ENG 205 Play Writing/Screen Writing 3 Credit hours
Study of and practice in the techniques of play writing and/or screen writing.
Cross-listed: CNA 205

ENG 206 Workplace Writing 3 Credit hours
This course focuses on writing genres commonly used in professional workplaces, including correspondence (letters, memos, and emails) as well as reports, proposals, and lab reports. Students will learn to write polished, professional communication, focusing content for specific audiences and contexts. The instruction emphasizes audience and situational analysis, clarity, professional tone and style, as well as elements of format and pattern, research, and revision techniques.
Prerequisite: ENG 102 or an equivalent course.

ENG 221 Editing for Publication 3 Credit hours
Editing for a variety of forms including magazines, reviews, manuscripts, promotional materials, and books, with attention to the special, wildly diverse demands of literary projects. Covers format editing, content editing, and copy editing.

ENG 260 Studies in Genre 3 Credit hours
Studies in techniques and forms of one of the major genres of literature, poetry, drama, fiction, and film. Film sections may require a lab.
Notes: Title will vary with offering.

ENG 270 Critical Approaches to Literature 3 Credit hours
Study of a variety of analytical and interpretive approaches to the study of literature in print and non-print media. This course provides an introduction to the English major in which the English program goals are communicated.

ENG 280 Themes and Movements in Literature 3 Credit hours
Readings in world literature organized around a specific literary theme or movement.
Notes: Topic and title vary from offering to offering.

ENG 284 Film Criticism 3 Credit hours
Exploration of the diverse influences on cinematic and film production, including story and character development, visual elements of storytelling, artistic/esthetic qualities, business/marketplace influences, and cultural significance. Emphasis on the role of the critic in development of film professionals.
Cross-listed: CNA 284

ENG 321 Production and Design for Publication 3 Credit hours
Application of editing techniques through the production of smaller publications, including chapbooks, book promotional materials, and basic literary event planning. Publishing ethics are addressed along with a look at various publishing and printing processes.
Prerequisite: ENG 221

ENG 333 American Theatre 3 Credit hours
Study of plays, players, places, and events in American theatre history from the 17th century beginnings to the present.
Cross-listed: CNA 333

ENG 361 American Literature I 3 Credit hours
A survey, beginning with pre-contact indigenous literature and concluding with the Naturalist/Symbolist Period.

ENG 362 American Literature II 3 Credit hours
A survey, beginning with the Harlem Renaissance and Modernist Period in American Literature and concluding with study of significant contemporary writers.

ENG 365 Modern American Fiction 3 Credit hours
Short stories and novels by significant 20th century American writers.

ENG 371 British Literature I 3 Credit hours
A survey of British literature, beginning with Beowulf and concluding with works by 18th century writers.

ENG 372 British Literature II 3 Credit hours
A survey of British literature, beginning with the Romantic writers and concluding with contemporary writers.

ENG 378 Topics in Modern British Fiction 3 Credit hours
Short stories and novels by significant 20th century British writers.

ENG 380 Shakespeare 3 Credit hours
Directed reading of Shakespeare's plays and poetry against the background of Renaissance culture.
Cross-listed: CNA 380

ENG 381 Classical Mythology 3 Credit hours
A study of the ancient epic and of Greek drama; readings of Homer, Virgil, Aeschylus, Sophocles, Euripides, Aristophanes, and Aristotle.

ENG 382 The Bible as Literature 3 Credit hours
Literary analysis of the Hebrew scripture (Old Testament) and of the New Testament.

ENG 383 Film and Literature 3 Credit hours
An on-going series of courses concerned with the relationship (thematic, generic, social-historical, etc.) between cinema and literature.
Cross-listed: CNA 383
Notes: May be repeated once for credit.

ENG 384 World Literature 3 Credit hours
This course examines works from literary canons and traditions world-wide. This course may treat a common theme across various cultures; focus on a particular time period, culture, or genre; or compare and contrast texts from two or more countries.

ENG 386 Modern World Drama 3 Credit hours
Reading of representative global dramatists in translations from Ibsen to the Post-Moderns.
Cross-listed: CNA 386

ENG 402 Advanced Poetry Workshop 3 Credit hours
Continued study of and practice in the techniques of poetry writing.
Prerequisite: ENG 202 or instructor approval.

ENG 403 Advanced Fiction Workshop 3 Credit hours
Continued study of and practice in the writing of short fiction.
Prerequisite: ENG 203 or instructor approval.

ENG 404 Advanced Creative Nonfiction Workshop 3 Credit hours
Continued study of and practice in the writing of creative nonfiction.
Prerequisite: ENG 204 or instructor approval.

ENG 415 Neihardt Seminar 3 Credit hours
An intensive study of selected authors, genres, and approaches to writing and reading. The course is usually taught by a visiting writer/scholar.
Dual-listed: ENG 515
Notes: This course may be repeated.

ENG 421 Advanced Publishing 3 Credit hours
Focus on the selection, design, and publishing of the Judas Goat and other significant in-house publications. Non-print publishing such as literary event planning and promotion will be included.
Prerequisites: ENG 321 and CNA 290.

ENG 426 Linguistic Theory and Applications 3 Credit hours
A linguistic study primarily of English, including phonetics, phonology, morphology, syntax, semantics, pragmatics, orthography, historical linguistics, sociolinguistics, psycholinguistics, neurolinguistics, and linguistic anthropology.
Dual-listed: ENG 526

ENG 441 Traditional English Grammar 1 Credit hour
Study of the rules and principles of traditional grammar in the English language, and of techniques and strategies for teaching grammar.

ENG 442 Teaching Writing 2 Credit hours
A survey of the major theories and issues surrounding the teaching of writing in the pre-college classroom. Topics include classroom strategies, traditional grammar and its alternatives, grading and testing, and individualizing the writing curriculum. After an initial survey of current literature on these topics, students will be involved in designing their own writing curricula, micro-teaching, and adapting materials to the needs of the student population they expect to encounter in their professional careers.
Dual-listed: ENG 542

ENG 443 Young Adult Literature 2 Credit hours
Study of popular and traditional literature appropriate for adolescent readers, and of techniques and strategies for teaching this literature.
Dual-listed: ENG 543

ENG 444 Developmental Reading in Middle and Secondary Schools 2 Credit hours
Survey of current research on the reading processes of middle and secondary school student: techniques for assessing, developing, and improving students' reading strategies, with emphasis on such topics as vocabulary development, comprehension, study skills, and reading in the content areas. This course meets the middle and secondary school reading requirement (reading in the content areas).
Dual-listed: ENG 544

ENG 480 Senior Seminar 3 Credit hours
A study of the techniques of literary research, critical evaluation, and analysis of literary texts, as well as historical and thematic problems facing the literary scholar.
Prerequisite: ENG 270

ENG 483 Studies in Film and Literature 3 Credit hours
A study of the history, development, techniques and cultural impact of a selected cinematic and literary genre or theme with focus on the interplay between film and print.
Dual-listed: ENG 583
Notes: This course may be repeated for a total of 6 hours, by advisement, with different topics.

ENG 497 Internship 1-12 Credit hours
A practical learning experience with publishers, editors, or a writer that provides the student with an additional option to further explore editing and publishing outside of the classroom.
Prerequisite: Advisor approval

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FCS 103 Clothing Construction 3 Credit hours
Evaluation of clothing construction for the consumer relative to sewing projects and ready-to-wear. Components of quality workmanship, apparel fibers/fabrics, and cost factors are emphasized through construction projects.
Notes: Lecture and lab combined

FCS 104 Principles of Food Preparation 3 Credit hours
The nutritional value of foods and the relation of food to health, fundamental principles of cookery applied to foods commonly used in the home.
Class fee: $45
Notes: Lecture and lab combined

FCS 106 Introduction to Fashion Industry 2 Credit hours
This course is a study of the historical evolution of the fashion industry. It will include an analysis of the social and psychological fashion theories related to past and current apparel consumption behavior.

FCS 107 Principles of Baking 3 Credit hours
An introduction to the principles and techniques used in the preparation of high-quality baked goods, with an emphasis on fundamental production techniques and evaluation of quality characteristics. The course will cover baking ingredients, use of equipment, proper storage, and sanitation methods.
Class fee: $45
Notes: Lecture and lab combined

FCS 108 Introduction to Family and Consumer Sciences 1 Credit hour
The history, growth and development of Family and Consumer Sciences and discipline expectation will be covered. This course will include career exploration of the opportunities for Family and Consumer Sciences graduates.

FCS 110 Family and Personal Relationships 3 Credit hours
A study of relationships throughout the life cycle. Application of the critical thinking process to the identification of values, the formulation of goals, and the decision making model in order to improve the quality of life for individuals and families.

FCS 115 Human Development and the Family 3 Credit hours
Principles and concepts of individual development through the lifespan in the context of the family.

FCS 120 Introduction to Early Childhood Education 2 Credit hours
A study of types of early childhood programs. Objectives and philosophies of various early childhood programs and curricula from both historical perspectives and current practices. Legislation and public policies, partnerships with family and community, and working with children with a range of abilities will be addressed. Infant/toddler and pre-school observation hours are required.

FCS 202 Clothing Design 3 Credit hours
Styles of fashion relative to garment components and industry trends are studied. Principles and elements of design will be applied to pattern drafting and garment construction.
Prerequisite: FCS 103 or instructor approval.
Notes: Lecture and lab combined

FCS 204 Fashion Illustration 3 Credit hours
Students will learn technical and illustrative techniques using traditional media and computer software.
Notes: Lecture and lab combined

FCS 205 Meal Management 3 Credit hours
Application of concepts in menu planning, preparation, and time management principles related to budgeting and purchasing of food.
Prerequisite: FCS 104 or FCS 107, or instructor approval.
Notes: Lecture and lab combined

FCS 207 Nutrition 3 Credit hours
A study of the basic nutrients and their relationship to physical, mental, and emotional health. Nutritional requirements and dietary planning for all age groups. The use of the computer for dietary analysis, evaluation of the analysis, and application to daily eating habits.

FCS 220 Infants and Toddlers 3 Credit hours

A study of human growth and behavior from conception through two years of age. Curriculum and assessment, language development, appropriate literature, play and discovery, children with a range of abilities, family and community partnerships will be addressed. Early childhood center observation is required.

Prerequisite: FCS 120 or instructor approval.

FCS 240 Design and Interior Environments 3 Credit hours

The study and discussion of concepts, issues, and resolutions in which research of human behavior is influenced by built environment. Use of communication skills, problem-solving, and media to design interior environments. An exploration of sustainable design and its effects on interior design, architecture, city planning, and landscape design.

FCS 242 Techniques of Interior Design 3 Credit hours

Study of design process as it applies to interior spaces. Emphasis on problem-solving and communication skills in space planning. Course will include detailing interior drawings and plans using multiple mediums. Careers in interior design will be explored.

Notes: Lecture and lab combined

FCS 302 Textiles 3 Credit hours

Serviceability concepts, durability, comfort, care, and appearance as related to fibers, yarns, fabric construction, finishes, and designs. Consumer oriented approach.

FCS 303 Fashion Retailing 3 Credit hours

This course provides an analysis of supply chain distribution and buying for the fashion retail industry. It will include applications to brick and mortar, as well as ecommerce environments. Students will also learn computational concepts in retail math for purposes of analysis, interpretation, and problem-solving contexts.

FCS 304 Computer Applications for Fashion and Retail 3 Credit hours

Students will digitally design merchandise displays, store layouts, print and marketing media, website creation, and continue work on portfolio development.

Prerequisite: FCS 204 or instructor approval.

Notes: Lecture and lab combined

FCS 305 Housing Development and Design 3 Credit hours

A study of architectural housing styles, future trends in housing, housing selection as it concerns the family during stages of the family life cycle. Floor plans, furniture arrangement, elements and principles of design, color theory, and their application to housing will be covered.

Notes: Lecture and lab combined

FCS 306 Family Resource Management 3 Credit hours

Analysis of the management process and socio-economic influences as related to the utilization of resources to meet individual and family goals. Special management situation considered.

FCS 308 Household Technology 3 Credit hours
A study of the construction, selection, use, and care of appliances and other technology used in the home; the basic principles in the use of gas and electricity in the home; safety and energy conservation of household technology.

FCS 310 Parenting 3 Credit hours
A study of the parenting relationships over the course of time from preparing for the first child through families with adolescent children into relationships with adult children. Traits and characteristics of healthy families and discipline techniques are included.
Prerequisites: FCS 108 and FCS 110; or instructor approval.

FCS 312 Historic Costume 3 Credit hours
This course explores the dress and adornment of ancient times to the 21st century. It will also include an examination of significant global cultures which have influenced the dress of Western civilization.

FCS 313 Techniques in Professional Presentation 3 Credit hours
A study of the fundamentals of: verbal and nonverbal presentations; media techniques for presenting oral and written information; visual aids and their usage; and display techniques to enable the student to become more skilled at giving professional presentations.

FCS 314 Organization and Administration of Family and Consumer Sciences Programs 3 Credit hours
Introduction to the administration and organization of family and consumer sciences programs including budget and lab management, curriculum development for programs of study and scope/sequence of courses, effective technology use for households and classrooms, and analysis and assessment of resources.

FCS 315 Consumer Economics 3 Credit hours
Development of responsible consumerism through value clarification, goal formulation, decision making, and effective use of resources.

FCS 317 Nutrition Through the Life Cycle 3 Credit hours
Knowledge and understanding of nutritional needs and recommendations throughout the life cycle from prenatal nutrition through adulthood and special needs of the elderly. Special emphasis on maternal health and the development of a healthy child.

FCS 318 Soft Furnishings 3 Credit hours
The application of elements and principles of design in the use of soft furnishings to enhance the decor of a living space. Measurements and calculations, fabric characteristics, construction techniques, and placement/installation of soft furnishings will be addressed.
Notes: Lecture and lab combined

FCS 322 International Foods and Cultures 3 Credit hours
An understanding of the influences of cultures on food and nutrition practices and beliefs.
Prerequisite: FCS 104 or FCS 107; or instructor approval.
Class fee: $45
Notes: Lecture and lab combined

FCS 325 Health, Safety, and Nutrition for the Young Child 3 Credit hours
A course designed to assist early childhood and elementary educators by providing them with knowledge and skills to address the health, safety, and physical needs of young children (0-8 years). The promotion of good nutrition and a healthy lifestyle will also be emphasized.

FCS 335 The Pre-School Age Child 3 Credit hours
A study of human growth and behavior from 3 years of age through 5 years of age. Curriculum and assessment, emergent literacy, appropriate literature, play and discovery, children with a range of abilities, and family and community partnerships will be addressed. Early childhood center and pre-school observations are required.
Prerequisite: FCS 120 or instructor approval.

FCS 340 Community Nutrition 3 Credit hours
This course will enable the student to attain a better understanding of the role of the community nutritionist in providing community nutrition program services and the availability of nutrition programs in the community. Nutrition education techniques for selected groups for health promotion, health maintenance, and rehabilitation will be utilized.
Prerequisites: FCS 207 or instructor approval.

FCS 403 Fashion Analysis 3 Credit hours
This course analyzes how the fashion industry decides what is featured in retail stores, from runway collections to the streets of mainstream America. It also explores the factors that affect trends and influence fashion forecasting with examples and industry applications.

FCS 407 Nutritional Counseling and Assessment 3 Credit hours
Fundamental knowledge and skills in nutritional counseling, including theory and strategies of behavior change and principles of nutritional and dietary assessment.
Prerequisite: FCS 207 or instructor approval.

FCS 408 Applied Concepts of Interior Design 3 Credit hours
Advanced study of the elements and principles of design, color, period decoration and furniture, and residential design, pictorial drawings, materials, and accessories. Client projects, sample boards, and client presentations will be emphasized. Professional practices of design will be explored.
Prerequisite: FCS 242 or instructor approval.
Notes: Lecture and lab combined

FCS 410 Professional Development in Family and Consumer Sciences 2 Credit hours
Course to enhance the professional development of Family and Consumer Science majors. Topics to include networking, job search skills, portfolio development, professional associations, and entrepreneurship.
Prerequisite: FCS 313

FCS 412 Guiding the Young Child 3 Credit hours
The role of teachers, childcare providers, and parents in providing an environment that is safe and developmentally appropriate for the development of the child's potential. The pre-school lab provides opportunity for observing and working with three, four and five year olds.
Prerequisites: FCS 335 and junior standing; or instructor approval.
Notes: Lecture and lab combined

FCS 416 Family and Consumer Sciences Practicum 1-3 Credit hours
Practical experience in the classroom or other professional settings. Experiences can include laboratory assistance, organization, presentation, and evaluation of activity units in family and consumer sciences.
Prerequisite: Department chair approval
Notes: May be taken twice.

FCS 420 Professional Studies in Interior Design 3 Credit hours
Comprehensive study of design components and its effect on commercial and retail spaces. Continuing emphasis on problem-solving and communication skills. Expanded application of interior design codes and regulations that are applied to designed interiors.
Prerequisite: FCS 242 or instructor approval.

FCS 430 Organization and Administration of Early Childhood Education Programs 3 Credit hours
A study of program development and management, safe and nurturing environments, and principles for successful operation of early childhood education programs and centers. Personnel management, public and private funding, legislation and public policy trends, environmental safety, children with a range of abilities, and family and community partnerships will be addressed.
Prerequisites: FCS 220 and FCS 335.

FRE 110 Elementary French I 3 Credit hours
Basic grammar, reading, writing, and conversation, with attention to differences and similarities between French and American cultures.
Notes: No previous knowledge of French required.

FRE 120 Elementary French II 3 Credit hours
Emphasis on oral and written skills, as well as reading and culture.
Prerequisite: FRE 110 or instructor approval.

G

GEO 120 World Regional Geography 3 Credit hours
A global survey of the geographic interrelationships between people and their environments.

GEO 130 Physical Geography 3 Credit hours
An introduction to the physical elements of geography and the environment in which people live, focusing on natural processes that create landscape diversity on the earth.

GEO 300 Human Geography 3 Credit hours
Application of geographic principles to examine the social, economic, and political activities of human cultures. Emphasis is on the concepts of culture, culture areas, migration, diffusion, social space, territoriality, environmental perception, and cultural landscape.

GEO 305 Political Geography 3 Credit hours
A study of geographic factors as they pertain to national and international political problems.

GEO 315 World Economic Geography 3 Credit hours
A study of resource use, locational choices, and regional specialization in the global economy. Special emphasis is given to the factors involving uneven patterns of social and economic development and the impact of globalization at various scales.

GEO 320 Urban Geography 3 Credit hours
This course provides a theoretical survey of the urban environment. Topics emphasized include the historical development of cities, ecological consequences of urbanization, metropolitan specialization, housing markets, residential segregation, and planning governance.

GEO 325 Geography of Recreation, Tourism, and Sport 3 Credit hours
A survey of the applied and academic aspects of indoor/outdoor recreation, international/regional tourism, and professional/amateur sports. The course will examine the distribution of legalized gaming, ecotourism and leisure travel, as well as the preservation and study of cultural and natural heritage.

GEO 340 Geography of the US and Canada 3 Credit hours
A regional analysis of the United States and Canada in terms of economic activities and the physical environment. Special emphasis is on the historical development of the US and Canadian landscapes.

GEO 350 Geography of Europe 3 Credit hours
This course provides a regional analysis of Europe in terms of its physical environment, history, culture, political systems, and economic activities. Topics emphasized include Europe's global influence, unification efforts, and east-west regional contrasts.

GEO 360 Geography of Russia 3 Credit hours
A regional survey of the territory of Russia and the newly independent states that emerged from the breakup of the USSR. The focus of the course is on human, physical, and historical geography of the 15 countries in the region, which includes parts of Eastern Europe and Central Asia. Issues to be addressed include recent efforts toward economic restructuring, relations among the former republics and nationalities, and current events/problems.

GEO 370 Geography of Latin America 3 Credit hours
A regional survey of Latin America in terms of its physical environment, history, culture, economic development, political systems, and demographic trends.

GEO 380 Geography of Asia 3 Credit hours
A regional analysis of South, Southeast, and East Asia in terms of the people, economic activities, and physical environment.

GEO 410 Hazards and Disasters 3 Credit hours

This course involves the study of catastrophic natural phenomena such as volcanic activity, earthquakes, floods, landslides, hurricanes, and tornadoes. We will examine these events on a world scale, always trying to understand where they occur and why they occur in those places. Emphasis is given to understanding the physical processes involved along with means of predicting, preventing, and minimizing the impact on humans.

Dual-listed: GEO 510

GEO 425 Urban Geographic Information Systems 3 Credit hours

This course is divided into two components. The lecture component for this course emphasizes the theoretical nature of geographic information systems (GIS) and surveys urban topics that typically employ GIS applications. The lab component provides students with hands-on experience with GIS and global positioning systems (GPS) to complete mapping projects that involve demographics, public health, urban planning, and crime.

Dual-listed: GEO 525

GEO 430 Geographic Information Systems 3 Credit hours

This course provides a basic introduction to the theory behind and hands-on usage of a Geographic Information System. An ability to manipulate and visualize data graphically is becoming ever more important in today's technological workplace. A Geographic Information System is a computing tool that allows the user to visualize information in ways that reveal relationships, patterns, and trends not visible using other presentation methods.

Dual-listed: GEO 530

GEO 435 Computer Mapping 3 Credit hours

An introduction to basic concepts and techniques for creating maps via computers. Emphasis will be on interpretation of physical and cultural information from maps and understanding map layout and design. Hands-on use of computer mapping programs will allow students to create their own maps in lab.

Dual-listed: GEO 535

GEO 440 Remote Sensing 3 Credit hours

This course provides a basic introduction to the concepts and applications of remote sensing. Labs provide students with experience interpreting and analyzing aerial and satellite imagery for environmental assessment.

Dual-listed: GEO 540

GEO 444 Topics in Geography 3 Credit hours

Current or special issues in Geography will be examined. The course offers students the opportunity to discuss relevant issues facing society.

Notes: This course may be repeated, by advisement, with different topics.

GEO 490 Geography and History of Nebraska 3 Credit hours
A history and geography of Nebraska focusing on principal people, events, and themes in the state's history.
Cross-listed: HIS 490
Dual-listed: GEO 590

GER 110 Elementary German I 3 Credit hours
Basic grammar, reading, writing, and conversation, with attention to cultural differences and similarities between Germanic and North American cultures.
Notes: No previous knowledge of German Required.

GER 120 Elementary German II 3 Credit hours
Emphasis on oral and written skills, as well as reading and culture.
Prerequisite: GER 110 or instructor approval.

H

HIS 120 World History for General Studies 3 Credit hours
An examination of the major cultural traditions, trends, and events that have shaped the modern world, from the beginnings of civilization to the present.
Notes: This course does not count in the major in History, subject endorsement in History, or field endorsement in Social Science.

HIS 150 History of the United States for General Studies 3 Credit hours
A selective examination of the major trends, events, and issues that have shaped the development of the United States, from pre-colonial times to the present.
Notes: This course does not count in the major in History, subject endorsement in History, or field endorsement in Social Science.

HIS 170 World Civilizations I 3 Credit hours
This course surveys the world's cultures and their interactions from the rise of civilization through the age of European expansion.
Notes: Required for majors and educator preparation candidates seeking a Social Sciences field endorsement or a history subject endorsement.

HIS 171 World Civilizations II 3 Credit hours
This course surveys the world's cultures from the age of the European voyages of discovery to the twentieth century.
Notes: Required for majors and educator preparation candidates seeking a Social Sciences field endorsement or a history subject endorsement.

HIS 280 America, 15000 BC to 1845 3 Credit hours

A comprehensive survey of American History from the Pre-Columbian Period to the beginning of the Mexican-American War, including a survey of Pre-Columbian cultures, the Colonial Era, the American Revolution, the Early National Period, and Antebellum America. This course focuses on studying the diversity of America by analyzing and interpreting the role of gender, class, race, and ethnicity in history. Students will engage in historical research using multiple historical and contemporary sources to investigate, interpret, and analyze the events of the time under study and the persistent issues that have compelled this dynamic nation forward.

Notes: This class is required for majors and educator preparation candidates seeking a Social Sciences field endorsement or a History subject endorsement.

HIS 281 America, 1845-1945 3 Credit hours

A comprehensive survey of American History from 1845 to 1945, including a survey of Western expansion, the Civil War and Reconstruction, the Gilded Age and Progressive Era, World War I, the Roaring Twenties, the Great Depression, and World War II. The course focuses on studying the diversity of America by analyzing and interpreting the role of gender, class, race, and ethnicity in history. Students will engage in historical research using multiple historical and contemporary sources to investigate, interpret, and analyze the events of the time under study and the persistent issues that have compelled this dynamic nation forward.

Notes: This class is required for majors and educator preparation candidates seeking a Social Sciences field endorsement or a History subject endorsement.

HIS 300 The Ancient World 3 Credit hours

A survey of the ancient Near East, Greece, and Rome, from the Neolithic Revolution to the decline of the Roman Empire in the West, circa 10,000 B.C. to 400 A.D. The emphasis is on cross-cultural borrowings and the diverse patterns of social and political organization.

HIS 310 The Renaissance and Reformation 3 Credit hours

This course surveys the fundamental changes in European society that resulted from the Renaissance and Reformation from 1450 to 1650.

HIS 315 The Age of Enlightenment 3 Credit hours

This course surveys European history focused on the history of ideas, politics, and culture during the long eighteenth century.

HIS 317 Nineteenth Century Europe 3 Credit hours

This course surveys European history from the French Revolution to the eve of World War I, studying such major movements and events as the rise of industrial civilization and the unification of Germany and Italy.

HIS 319 The Two World Wars, 1914-1945 3 Credit hours

This course surveys the major contours and problems in the history of World War I, the interwar period, and World War II from a global perspective. It examines both wars through the lens of military history, in addition to examining the ways in which these wars shaped the lives of those who lived through them.

HIS 335 History of India 3 Credit hours

This course provides a broad introduction to the history and culture of India, which also includes the modern states of Pakistan, Sri Lanka, and Bangladesh. It will begin with Harappan civilization in the Indus Valley and follow through the Mughal Empires, British Raj, the Nationalist Movement, Independence, and, finally, the struggles South Asians face today.

HIS 345 History of Empire through Film 3 Credit hours

This course examines how the effects of empire, colonialism, and postcolonialism are manifested in key films from around the world. Each film is accompanied by required readings exploring historical realities behind film, the cultural context it portrays, and the contemporary cultural context of its production.

HIS 360 Colonial and Revolutionary America 3 Credit hours

Traces the growth of America from the first settlements to the establishment of the Constitution in 1789.

HIS 370 The New Nation, 1789-1815 3 Credit hours

Traces American history from the establishment of the Constitution in 1789 to the end of the War of 1812. Focuses on the contributions of the Founding Fathers - Washington, Hamilton, Jefferson, and Madison - and on the impact of the French Revolutionary and Napoleonic Wars.

HIS 380 America, Civil War Era 3 Credit hours

A detailed survey of the political, legal, economic, and social issues of the Antebellum period, Civil War, the era of Reconstruction, the expansion of the West, and the growth of industrialism.

HIS 385 America, 1945 to the Present 3 Credit hours

A survey of America in the latter half of the century. Topics include World War II, Industrialism, the Cold War, and changes in American domestic and foreign policies.

HIS 405 Mind-Altering Substances in World History 3 Credit hours

This course examines how human societies have conceptualized the meanings associated with mind-altering substances through time. It also examines the influence of these material goods on culture, economics, and politics. Students will learn through discussions of course readings and through the completion of a research project.

HIS 423 History of Spain, 1469-Present 3 Credit hours

This course is a discussion-oriented seminar on the history of Spain and its empire, focusing particularly on how the experience of Spain both reflects and departs from the general European experience. The intersection of religion, politics, and culture will be considered, especially as they relate to regional, national, and ethnic identity. The course will also introduce students to a variety of recent trends in the study of Spanish history.

HIS 425 History of the British Empire 3 Credit hours

This course examines the culture, economy, and politics of the British Empire from the loss of the American colonies in the late 18th century through the 20th century. It will examine the reciprocal relationship between Great Britain and two types of colonies: those of conquest in such areas as the Caribbean, Africa, and Asia, and those of settlements such as those in North America and the Antipodes. This course will pay special attention to nationalist responses to the British Empire and more contemporary legacies.

HIS 443 Topics in World History 3 Credit hours

Current or special issues in world history will be examined. The course offers students the opportunity to study important issues in global history.
Notes: This course may be repeated, by advisement, with different topics.

HIS 444 Topics in American History 3 Credit hours

Current or special issues in American history will be examined. The course offers students the opportunity to study important issues in American history.
Notes: This course may be repeated, by advisement, with different topics.

HIS 447 Warfare and Society in World History 3 Credit hours

This course examines the role of class, race, and gender in warfare, from the earliest recorded wars to the most recent conflicts through a broad range of readings. Students will also conduct a formal research project.

HIS 450 The American West 3 Credit hours

The history of the western U.S., with special emphasis on defining the West as a region, the relation to and impact of the West on the rest of the U.S., and changing historical and popular culture interpretations of the West.

HIS 451 American Indian History 3 Credit hours

This course will teach the history of Native American peoples from the Pre-Columbian Period to the 21st century. This class will explore the historical implications of the contradictions between American Indian institutions and beliefs and Euro-American institutions and beliefs and the events and policies that governed the conflict. The focus will be on understanding the diversity of native civilizations and cultures in the Western hemisphere and the varied responses to contact with European culture. Using both primary documents and works by respected historians, this course will examine the complex cultural history of the nation, with a special emphasis on the tribes in Nebraska.

HIS 465 The American Civil Rights Movement 3 Credit hours

Examines the development and achievements of the mid-twentieth century U.S. civil rights movement. The emphasis will be on the activities of civil rights organizations and their leaders; forms of white resistance, both north and south, and economic, political, and cultural legacy of the movement.

HIS 476 Recent American Culture 3 Credit hours

An examination of the main themes and issues in American culture in the twentieth century. The course focuses on the development of a post-industrial mass culture and the interaction of important thinkers and ideas with historical events and trends in popular culture.

HIS 490 Geography and History of Nebraska 3 Credit hours
A history and geography of Nebraska focusing on principal people, events, and themes in the state's history.
Cross-listed: GEO 490
Dual-listed: HIS 590

HSC 101 Introduction to Health Science 1-3 Credit hours
Provides description of health care professions, education and licensing requirements, employment trends and salary ranges for health-related careers. Students will have exposure to the history and development of healthcare. Health care issues will be examined. Ethics and cultural diversity may be emphasized.

HSC 345 CPR-Healthcare Provider 1 Credit hour
AHA/BLS Healthcare Providers course modules one through four. Review of cardiovascular anatomy and function, causes of cardiovascular disease, and cardiac arrest. CPR for adults and pediatrics.
Prerequisite or corequisite: BIO 220

HSC 443 Rural Health Issues 1-2 Credit hours
An introduction to the social, financial, and political issues related to health care in rural communities.

HSC 498 Health Sciences Clinical Year 0 Credit hours
Academic credit completed at an affiliated professional institution.

HUS 105 Career Planning 1 Credit hour
This class introduces students to career and life planning concepts and how to apply these to their own lives. Research shows that students who are more crystallized in their career path are more focused in their academic endeavors. While learning career and life planning concepts, students participate in experiential activities to assist them in their own career planning process. When taking this course, students assess their interests, skills, personality style, work, and personal values; search a variety of college and career options; and are guided through a decision-making process.

HUS 202 Introduction to Human Services 3 Credit hours
This course summarizes the history and standards of the human services profession. It also clarifies the personality characteristics, skills, and knowledge that lead to the development of effective human services professionals. Students implement these during service-learning activities in human services agencies in the community (as available) and discuss their experiences in small reflection groups.

HUS 218 Personal Growth 3 Credit hours
An introduction to the study of personal growth with an emphasis upon facilitating self-awareness, personal growth, and adjustment. An understanding of oneself and others will be addressed along with such issues as friendship, stress, motivation, work, decision making, emotions, intimate relationships, sexuality, and others.

HUS 324 Fundamentals of Human Services 3 Credit hours
Introduction to basic human services theories and their associated assumptions, goals, and strategies to assist client change from a multicultural perspective.
Notes: A grade of "C" or above is required for majors/minors only.

HUS 342 Interviewing Skills 3 Credit hours
This course provides the basic concepts for structuring an interview. Select approaches to human services and case report writing will be considered. Helping skills of attending, responding, and initiating action within interview situations will be emphasized.
Prerequisite: Admission to Human Services Program.

HUS 403 Group Strategies 3 Credit hours
The purpose of this course is to facilitate self-awareness and relationship skills in human services trainees for implementation within group settings. Communication, problem-solving, and leadership skills for group management will also be stressed.
Prerequisite: Admission to Human Services Program.

HUS 440 Substance-Related and Addictive Disorder Foundations 3 Credit hours
This course is a study of substance-related and addictive disorders from a Bio-Psycho-Social theory of human development. Emphasis is on an individualized perspective; dynamics of psychological, sociological, and physiological predisposition; and a multidimensional approach to intervention. Classification of chemicals and their effects on the human body; tolerance, rebound, and withdrawal; and various treatment modalities and settings will be explored. Ethical issues associated with substance-related and addictive disorder counseling will be considered in detail.

HUS 470 Planning, Administration, and Evaluation of Human Services Programs 3 Credit hours
This course focuses on the administration of human services organizations through strategic planning, leadership, supervision, and management of staff and operations. Candidates will learn how to use needs assessments to plan programs. Grant applications and budgetary operations will be examined, using available technology to create and manage spreadsheets and databases. Methods of program evaluation will also be studied.
Prerequisite: Junior standing

HUS 490 Human Services Seminar 3 Credit hours
This course focuses on refinement of human services competencies for general and special populations. Attention is given to human services processes from initiation to termination. Current issues are addressed in seminar format with each advanced level student conducting and sharing research. Additional activities include (a) internship seeking and placement and (b) advocacy.
Prerequisites: HUS 342 and HUS 403.

HUS 497 Human Services Internship 1-12 Credit hours

The internship in human services is designed to integrate the knowledge of theory and techniques with human services practice. Students complete a minimum of 150 hours (3 credit hours) of job duties typical of a bachelor's level human services worker at an approved human services agency and additional course activities designed to reflect and process their experiences in the field. Additional credits may be taken beyond the 3 credits required in accordance with 50 working hours representing 1 academic credit hour.

Prerequisites: Minimum 2.5 GPA in major/minor and department faculty approval.

I

IDS 110 Shapers of the Modern Mind 1 Credit hour

Conducted as a colloquium, this course provides a discussion about great thinkers and ideas that have shaped the modern mind.

Prerequisite: Neihardt Scholar or Honors director approval.

Notes: Topics vary by term.

IDS 115 First Year Experience 1 Credit hour

This course provides an opportunity for students to connect to the WSC community and successfully transition to college life. Student will engage with peers, faculty, and staff, explore campus resources, develop successful academic strategies to meet academic expectations, and share differing perspectives, all in an effort to cultivate behaviors, habits, and skills necessary to achieve personal and professional success.

Notes: Topics may vary.

IDS 120 Library Resources and Overview 2 Credit hours

This course will provide guidance for the research process. Students will learn to develop a research question and compile a variety of resources to complete any research project or presentation. Resources that will be accessed include books, periodicals, government documents, statistical resources, databases, and internet sites. Students will also learn how to evaluate a website and how to cite all resources.

IDS 121 Database Review 1 Credit hour

Students will gain knowledge of current library research databases and the content covered in each database. Both basic and advanced search techniques will be covered. The databases will be grouped into five different subject lessons (Reference, General, Business/Law, Education/Medical, and Special).

IDS 300 Critical Thinking 3 Credit hours

This interdisciplinary course will challenge students to assess their thinking through the development and expansion of communication skills, methods of investigation, appreciation of diverse perspectives, and their civic/societal role.

IDS 490 Assessment Seminar 0 Credit hours

This course requires students to demonstrate their level of achievement of the student learning objectives developed for Bachelor of Arts or Bachelor of Science in Interdisciplinary Studies.
Prerequisite: Completion of 100 credit hours.
Notes: Graded S/NC

ITE 111 Introduction to Safety 3 Credit hours

This course examines the fundamentals of creating a safe and healthy work environment. Topics focus on reducing injuries, identifying common safety hazards, and safely operating specific machines and tools in the Center for Applied Technology building labs. This course also includes training in American Heart Association's (AHA) Heartsaver First Aid Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED) use. These training sessions are designed to prepare students to provide first aid and CPR, and how to use an AED in a safe timely, and effective manner. Students will have the opportunity to earn certifications through a 10-hour OSHA Safety card (does not expire) and a First Aid CPR AED (valid for two years).
Class fee: $35
Notes: ITE majors must pass with a "C" or better.

ITE 114 Introduction to Applied Engineering and Technology 3 Credit hours

An introductory course of engineering and technology principles. Designed to provide a foundation of knowledge and skills for all Industrial Technology, Skilled and Technical Sciences (STS) and undeclared majors. Engineering concepts along with new technology will be utilized in the design and production of products made. Students will employ problem-solving, research and design, and interpersonal communication skills as they work through the assigned classroom and lab activities.
Class fee: $30
Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 202 Construction Systems 3 Credit hours

This course covers the proper care and operation of various hand and power tools used in residential and light commercial construction, basic masonry, and carpentry practices; framing, interior and exterior finishing; reading and interpreting of building blueprints and specifications with actual application of the competencies necessary to complete various construction projects. Course also covers the processes of design, estimating, planning, and the contractor's role in scheduling.
Class fee: $30
Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 203 Fundamentals of Industrial Hygiene 3 Credit hours

An overview of the reasons for, benefits of, and activities related to occupational environmental control programming and industrial hygiene practices.

ITE 205 Introduction to Manufacturing Technology 3 Credit hours

An exploratory course introducing students to the five areas of the manufacturing industry. Hands-on lab activities will reinforce lessons in sheet steel and aluminum, plastics, wood, and the foundry. Appropriate material selection, process selection, safety, use of manufacturing and industrial tools and equipment, and measurement will be presented.

Class fee: $30

Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 207 Ergonomics 3 Credit hours

This course is a study of human characteristics for the appropriate design of the workplace environment to promote safety, well-being, and work efficiency.

ITE 210 Introduction to Energy, Power and Transportation Systems 3 Credit hours

A study of various energy, power and transportation systems utilized to move people and goods through various environments. The course will address the design, industrial application, proper nomenclature, troubleshooting, and repair of various power and transportation units. Alternative energy forms will be explored. The power systems studied will include the internal combustion engine, hydraulics, pneumatics, rockets, diesel, jet, and steam engines as they relate to society's energy and transportation needs. Transportation environments studied include terrestrial, marine, atmospheric and space.

Notes: Lecture and lab combined

ITE 211 Architectural and Industrial Finishing 3 Credit hours

Introduction to the many types of finishing materials and techniques used in modern architectural designs and on industrial goods. Residential, commercial, and industrial finishes will be explored, and students will practice several application techniques on personal or departmental projects.

Notes: Lecture and lab combined

ITE 212 Material Science–Strength of Materials 3 Credit hours

This course focuses on the properties of materials and is intended as an introduction to material science. Materials are used in everything and many major engineering problems are materials problems. The course will provide students with an introduction to stress, strain, and deformation analysis of materials subjected to axial, torsional, and bending loads and will also focus on mechanical lab testing and structural analysis of polymers, metal, and ceramics.

ITE 214 Residential Drawing 3 Credit hours

This course explores the fundamentals of residential drawing and the application of computer aided drafting. Students develop skills in sketching, home planning, design, layout and building material selection for residential structures, zoning, an introduction to code requirements, building permits process and energy audits. Students are required to complete a full set of construction documents to include floor plans, foundation plans, elevations, kitchen and bath plans, detail drawings general, specific notes and a 3D rendering.

Class fee: $30

Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 219 Mechanical and Engineering Drafting 3 Credit hours

A drafting and design class that will emphasize geometry, geometric construction, multi-view drawings, orthographic projection, sectional views, primary and secondary auxiliary views, dimensioning, isometric drawing, sketching and drafting standards. The course will include extensive use of computer aided drafting software and solid modeling software, problem-solving and elements of design. Students will be introduced to prototype development and 3D printing.

Class fee: $30

Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 220 Introduction to Manufacturing Operations 3 Credit hours

An introduction to manufacturing via lectures, lab activities, and field trips. Lecture topics will cover manufacturing from product demand to fulfillment, while the lab element will focus on metal machining.

Class fee: $30

Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 300 Small Engines 3 Credit hours

Students will become familiar with the components and operating principles of the small engine. Topics covered include the similarities and differences in 2-stroke and 4-stroke engines. Basic servicing, tune-up and complete engine overhaul will be completed as well as engine part identification and definitions of terms related to small engines.

Class fee: $30

Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 301 Construction Safety 3 Credit hours

This course will focus on safety issues directly related to the construction industry. Students will explore state and federal regulations associated with the construction industry. The course will include both classroom activities and "in the field" activities to further their understanding of the issues faced by construction companies.

Class fee: $10

ITE 303 Composite Materials 3 Credit hours

The following topics are covered in this course: basic concepts and definitions of composite materials; fabrication, structure, properties, and applications of fibrous materials; and structure and properties of polymer matrix, metal matrix, and ceramic matrix materials. The student will also study the interface between fiber and matrix and the properties and applications of polymer matrix composites, metal matrix composites, ceramic matrix composites, and carbon/carbon composites.

ITE 304 Surveying and Print Reading 3 Credit hours

A theory and lab course devoted to the study of site surveying and commercial print reading. Surveying will include discussion of plane and geodetic surveying concepts and use of field surveying equipment to develop skills needed to gather, record, and use information from the site. Print reading will place an emphasis on the study of commercial plan specifications, schedules, floor plans, elevations, and site plans as they apply to drafting and construction management.

Notes: Lecture and lab combined

ITE 306 Industrial Safety 3 Credit hours

This course will focus on safety issues directly related to the industrial environment. Students will look at state and federal regulations associated with the industrial/manufacturing environment.
Class fee: $10

ITE 307 Cabinetmaking and Millwork 3 Credit hours

This course focuses on the use, operation and care of cabinetmaking and millwork tools and equipment and the selection and use of materials, hardware, and finishes. Emphasis will be on plan selection, estimating, materials, safe use of tools and correct machining processes. Consideration will also be given to various materials and finishes. Students will demonstrate safety practices and safe and correct use of tools at all times.
Class fee: $30
Notes: Lecture and lab combined

ITE 308 Construction Technology 3 Credit hours

This course provides a progression in the development of skills and knowledge initiated in ITE 202. Students enrolled in this course study traditional and current construction processes, including recent innovations in the construction industry. Emphasis is also placed on the International Residential Code and its application in actual construction projects. Students may be engaged in hands-on projects on construction sites in the college region as part of their learning process.
Prerequisite: ITE 202
Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 309 Parametric Modeling and Industrial Design 3 Credit hours

The use of a parametric 3D CAD package, in conjunction with either add-on or third-party software application, to create virtual part and assembly models, and to analyze their physical performance using computer simulation techniques. Topics include shape optimization, stress, fatigue, kinematic analysis, dimensioning, tolerancing, ANSI standards, sheet-metal developments, fasteners, and documentation of manufacturing practices.
Prerequisite: ITE 219
Class fee: $30
Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 310 Workplace Accident Investigation 3 Credit hours

This course will explore the principles and application of workplace accident investigation techniques as they relate to the management of occupational safety and health programs. A variety of theories and practices will be discussed and evaluated using case studies of actual accidents.

ITE 312 Systems Safety and Process Safety Management 3 Credit hours

This course will focus on the key elements of Systems Safety and Process Safety Management (PSM) as they apply to the creation, management, and improvement of safety and health programs. The student will explore a variety of current and topical concepts as they pertain to Systems Safety and PSM fields.

ITE 314 Architectural Design 3 Credit hours

This course builds on skills and information learned in ITE 214. Students design a residential project limited in size by the instructor. The project includes a full set of working drawings. Zoning ordinances, local building code, International Building Codes, and energy efficiency are incorporated into all the projects. Topics will include IRC Code as it applies to build types, occupancy types, materials, and ratings for commercial design. Software used will allow students to produce 2D construction documents as well as 3D Building Information Models (BIM).
Prerequisite: ITE 214
Class fee: $30
Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 322 Fundamentals of CNC Machining 3 Credit hours

The goal of this course is to teach the student to produce a product on Computer Numerical Control (CNC) mills and lathes. Topics include reading a detailed blueprint, tooling selection, work holding strategies (including jigs and fixtures), CNC programming, machine setup, and CNC operations. Students will use various specialized measurement tools to meet established quality standards. Multi-axis programming will be used to program parts.
Class fee: $30
Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 326 Technology Lab Design, Care, and Maintenance 3 Credit hours

This course will address the design and management of STS Labs. Information on careers, occupations, and environmental safety issues will be provided for pre-service teacher education majors. Equipment purchasing, service, and repair will be covered for STS Labs.
Notes: Lecture and lab combined

ITE 330 Welding Theory and Fabrication 3 Credit hours

Tools, equipment, safety practices, materials and basic metallurgy used in electric arc, oxy-acetylene, metal, inert gas, and tungsten arc inert gas welding will be covered in this course. Fabrication techniques with sheet metal and other ferrous materials will also be covered along with parametric modeling software.
Class fee: $30
Notes: Lecture and lab combined

ITE 367 Building Climate, Energy Control and Sustainability 3 Credit hours

A review of building automation systems used to control interior climate and energy usage. Discussion and research of HVAC systems including their installation, programming, and maintenance. Special emphasis on energy conservation and efficiency in both residential and commercial environments and the design, engineering and manufacturing, and/or construction industries. Information on U.S. Green Building Council and Leadership in Energy and Environmental Design new and remodeled structure certification.

ITE 390 Project Bidding and Estimating 3 Credit hours

A foundational course in the analysis and determination of construction and manufacturing project costs. Bidding strategies and proposals; material, equipment and labor estimates, as well as overhead and profit are examined and critical path scheduling.

ITE 402 Safety Data Analysis 3 Credit hours

This course will cover accident safety data and analysis. Analysis decision making with relevant accident data will be a major focus of this course. Resources available that compile accident statistics will be investigated. The course will include basic statistical techniques and emphasis will be placed on the preparation of safety data for presentations.
Prerequisite: Junior or senior standing.

ITE 403 Electronics and Control Systems 3 Credit hours

This course will cover electricity, electronics, hydraulics, and pneumatics as each relate to controlling machines in manufacturing environments. Students will further explore the areas of Alternating Current, Direct Current, analog and digital circuitry, solid state devices, AC and DC motors, sensors, programmable logic controllers, and selected information input systems.
Class fee: $30
Dual-listed: ITE 503
Notes: Lecture and lab combined. ITE majors must pass with a "C" or better.

ITE 404 Commercial and Structural Design 3 Credit hours

This course includes the planning and design of commercial buildings and their structural systems. It also includes city and industrial planning, landscaping, zoning, and International Building Code.
Notes: Lecture and lab combined

ITE 407 Accident Prevention 3 Credit hours

This course will explore the principles and theories of accident causation and prevention in the workplace. The impact of accidents on society today, psychological factors related to accidents, legal requirements, accident prevention in business and industry, schools, and the community.

ITE 408 Hazardous Materials 3 Credit hours

This course will focus on the examination of issues concerning the use of hazardous materials in the construction and industrial environments. Chemical and physical properties as well as issues related to the transportation of these materials will be addressed.

ITE 412 Industrial Prototypes and Manufacturing Design 3 Credit hours

Examines current topics, research, exploration, testing, and evaluation of computer-aided drafting and design programs. Development of industrial quality prototypes from engineering or designer prints. Includes the selection of materials and processes for production that reviews the design process to include design analysis, design process, modeling, rendering, and presentation. Includes 3D modeling, working drawings, BOM, Parts List, Finite Element Analysis, and 3D printing.
Class fee: $30
Dual-listed: ITE 512
Notes: Lecture and lab combined

ITE 416 Industrial Technology Practicum 1-3 Credit hours

Laboratory assistance, organization, presentation, and evaluation of activity units in Industrial Technology classes.
Prerequisite: Department chair approval
Notes: This course may be repeated up to a total of 6 hours with different topics.

ITE 421 Computer Integrated Manufacturing and Robotics 3 Credit hours

Introduction to the concepts and procedures of CIM production as well as the main components and devices in a CIM cell. Using a fully simulated industrial CIM, students learn about the CIM production cycle, from customer order and inventory control, through automated manufacturing of materials into finished parts, to quality inspection and final delivery. Additional topics include programming industrial robots and the opportunity to earn an industrial Robot Certification.
Class fee: $30
Dual-listed: ITE 521
Notes: Lecture and lab combined

ITE 422 Advanced CIM and Robotics 3 Credit hours

Students design, set up, and operate CIM cells, and learn more advanced robotic programming, are introduced to Quality Control video device with software, part feeding, and ERP. Activities will migrate from basic operations to identifying cost savings opportunities and increasing throughout, if not earned in ITE 421, the opportunity to earn an Industrial Robot Certification is possible.
Prerequisite: ITE 421 or department chair approval.
Dual-listed: ITE 522
Notes: Lecture and lab combined

ITE 428 Construction Project Management 3 Credit hours

The students will demonstrate the role of a contractor through the design and construction phases of a construction project. They will be responsible for planning, organizing, staffing, directing, and controlling labor and material. They will also work with equipment utilization, cost estimation and pricing, cost control, and accounting throughout the various phases of a construction project.
Prerequisites: "C" or better in ITE 308 and ITE 390.
Notes: Lecture and lab combined

ITE 438 Commercial Construction 3 Credit hours

This course covers commercial and civil construction designs. Topics include: materials, materials testing, design considerations, characteristics of commercial/civil construction vs. residential construction and career opportunities. The graduate level course will include the design and managerial aspects of commercial construction in comparison to residential construction.
Dual-listed: ITE 538

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MAT 105 Intermediate Algebra 3 Credit hours

Designed for the student with a limited algebra background. A solid foundation in arithmetic and basic algebra skills is expected. Linear equations and inequalities, linear functions, systems of linear equations, polynomials, factoring, rational expressions and equations, radical expressions and equations, quadratic equations, quadratic functions, and applications.
Notes: This course does not meet a General Studies requirement.

MAT 110 Contemporary Applications of Mathematics 3 Credit hours
Students will build critical thinking and problem-solving skills with mathematical topics which may include Venn diagrams, logic, algebra, geometry, probability, and basic statistics. Written explanations of reasoning are emphasized.

MAT 118 College Mathematics for Industrial Technology 3 Credit hours
This course fosters a solid understanding of the mathematics applicable for trade and technical environments. Topics include measurement, proportions, solving equations, rational expressions, geometric measures, trigonometry, and statistics.
Notes: This course is intended for Industrial Technology majors.

MAT 121 College Algebra 3 Credit hours
Equations and inequalities; functions and graphs; polynomial, rational, and radical functions; complex numbers, exponential and logarithmic functions; systems of equations and inequalities.
Prerequisite: Placement or "C-" or better in MAT 105.

MAT 130 Precalculus 5 Credit hours
A rigorous course in the computational and theoretical aspects of algebra and trigonometry: equations and inequalities; systems of equations and inequalities; complex numbers; polynomial, rational, radical, exponential logarithmic, and trigonometric functions, equations, and graphs; right triangle trigonometry; inverse functions; law of sines; law cosines, trigonometric identities. Mastery of these skills will empower a student to achieve success in Calculus I.
Prerequisite: Placement or "C-" or better in MAT 121.

MAT 140 Calculus I 5 Credit hours
Mastery of algebra and trigonometry is necessary before taking this course. Theory and applications of limits, derivatives, antiderivatives, definite integrals, and differentials of algebraic, trigonometric, logarithmic, and exponential functions.
Prerequisite: Placement or "C-" or better in MAT 130.

MAT 180 Applied Probability and Statistics 3 Credit hours
An introduction to the practice of statistics including sampling, experimental design, data displays, descriptive statistics, binomial and normal probability distributions, sampling distributions, one and two sample confidence intervals, hypothesis tests for means and proportions, and linear regression with analysis. Traditional and resampling/bootstrapping methods are employed.
Prerequisite: Placement or "C-" or better in MAT 121, MAT 130, or MAT 140.
Notes: 4 hours lecture and lab combined

MAT 210 Mathematics for Elementary School Teachers I 3 Credit hours
Place value, models and algorithms for addition, subtraction, multiplication, and division of whole numbers, fractions, decimals, and integers. Applications involving ratios, percentages, and rates. Generalizations involving algebra, divisibility, primes, greatest common factors, and least common multiples.
Prerequisite: Placement or "C-" or better in MAT 105, MAT 121, MAT 130, or MAT 180.
Notes: This course is intended for Early Childhood Inclusive, Elementary, Middle Level, and Special Education majors.

MAT 215 Mathematics for Elementary School Teachers II 3 Credit hours
Probability and data analysis, geometry, measurement, problem-solving, reasoning and proof.
Prerequisite: "C-" or better in MAT 210.

MAT 240 Calculus II 5 Credit hours
Integration techniques, parametric equations, polar equations, conic sections, infinite sequences and series.
Prerequisite: "C-" or better in MAT 140.

MAT 250 Differential Equations 3 Credit hours
First- and second-order methods for ordinary differential equations including: separable, linear, Laplace transforms, linear systems, series solutions, and applications. Qualitative, analytic, and numerical techniques will be considered.
Prerequisite: "C-" or better in MAT 240.

MAT 270 Transitions to Advanced Mathematics 3 Credit hours
A bridge course into abstract mathematics. Proof construction and craft, quantifiers, logical connectives, and structure of valid arguments.
Prerequisite: "C-" or better in MAT 140.

MAT 305 Discrete Mathematics 3 Credit hours
Sets, relations, functions, graphs, trees, combinatorics, logic, recurrence relations, algorithms, and proofs.
Prerequisite: "C-" or better in MAT 140 or at least Sophomore Standing with an ACT math score of at least 27, or at least Sophomore Standing with a "C-" or better in CSC 310.

MAT 320 College Geometry 3 Credit hours
Formal axiomatic development of neutral and Euclidean geometry with an emphasis on valid arguments. Non-Euclidean geometry will also be investigated.
Prerequisite: "C-" or better in MAT 140.

MAT 335 Applied Mathematics and Modeling 3 Credit hours
Using mathematics to study the phenomena arising in nature and described by fields such as biology, chemistry, physics, or social sciences. Students will formulate and analyze models using methods such as optimization, simulation, dynamical systems, and other strategies. Current technologies will be utilized.
Prerequisite: "C-" or better in MAT 140.

MAT 340 Calculus III 5 Credit hours
Vectors and vector calculus, cylindrical and spherical equations, the theory and application of partial derivatives and multiple integrals, including Green's and Stokes' Theorems.
Prerequisite: "C-" grade or better in MAT 240.

MAT 350 Linear Algebra 3 Credit hours
Topics in matrix algebra including determinants, abstract vector spaces, transformations, orthogonality, and eigensystems. Students perform calculations and construct proofs in each of these topics.
Prerequisite: "C-" or better in either MAT 270 or MAT 340.

MAT 400 Real Analysis 4 Credit hours
Supremums and infimums, Cauchy sequences, limits, continuity, differentiation, integration, and point-set topology. Student proof construction is emphasized.
Prerequisite: "C-" or better in MAT 340.

MAT 405 Applied Mathematics 3 Credit hours
Analytical and numerical methods of solution in various mathematical and scientific areas. Modeling, infinite series, vector analysis, Fourier series, partial differential equations, integral transformations, and complex analysis.
Prerequisites: "C-" or better in MAT 250 and MAT 340.

MAT 410 Probability and Statistics 4 Credit hours
Calculus based probability and statistics with theory and applications. Topics include discrete, continuous, multivariate and sampling distributions; moment generating functions; confidence intervals, hypothesis testing, correlation, regression, and analysis of variance. Traditional and resampling/bootstrapping methods are employed.
Prerequisite: "C-" or better in MAT 340.

MAT 420 Number Theory 3 Credit hours
An exploration of different kinds of numbers and their relationships. Topics may include modular arithmetic, prime numbers, divisibility theorems, Diophantine equations, congruences, Fermat's Little Theorem, quadratic reciprocity, continued fractions, and cryptography.
Prerequisite: "C-" or better in MAT 270.
Dual-listed: MAT 520

MAT 425 Abstract Algebra 4 Credit hours
Abstract group theory including fundamental group homomorphism theorems. The course concludes with polynomial ring theory. Student proof construction is emphasized.
Prerequisite: "C-" or better in MAT 350.

MAT 435 History of Mathematics 3 Credit hours
This course surveys the historical development of mathematics. Critical thinking from different perspectives will be emphasized to learn about the context of discovery of different topics. Famous problems and mathematicians will also be explored.
Prerequisite: "C-" or better in MAT 270.
Dual-listed: 535

MAT 440 Numerical Analysis 3 Credit hours
An introduction to numerical solutions to problems in various mathematical and scientific areas. Solution of equations and systems of equations, interpolation and curve fitting, approximation of polynomials, and numerical differentiation and integration. Use of technology emphasized.
Prerequisite: "C-" or better in MAT 240.

MAT 460 Senior Seminar in Mathematics 3 Credit hours
A research and discussion course in which one or more advanced topics will be discussed based upon faculty and student interest. Students will be required to research a mathematics topic and will make a presentation of their findings.
Prerequisite: Senior standing

MAT 465 Mathematics Education Seminar 3 Credit hours
A seminar course in which students will discuss the relationships between college mathematics and the teaching of 6-12 mathematics. Students will research a topic in mathematics education and make a presentation of their findings.
Prerequisite: Senior standing

MAT 470 Connections 2 Credit hours
A capstone experience where students study mathematics, history and technology and do mathematical problems that require knowledge from several previous courses in the major.
Prerequisite: At least 27 hours of MAT courses numbered 140 or above.

MAT 471 Connections in Mathematics Education 2 Credit hours
This is a capstone experience where middle level or secondary mathematics education students connect mathematical knowledge from previous courses in their major to the teaching of mathematics in middle and secondary level mathematics.
Prerequisites: "C-" or better in MAT 140 and acceptance to the Educator Preparation Program.
Corequisite: EDU 409 is recommended.

MAT 472 Connections Research 1 Credit hour
Students will independently complete problems that require knowledge from several previous courses in the major or work with an instructor on an independent research project. This course may be repeated for a total of 2 hours.
Prerequisite: At least 27 hours of MAT courses numbered 140 or above.

MAT 481 Mathematics Assessment 0 Credit hours
A review of students in their final semester of MAT courses. Students will take the Major Field Test in Mathematics and take an exit survey.
Prerequisite: Senior standing
Class fee: $25
Notes: Graded S/NC

MAT 482 Mathematics Education Assessment 0 Credit hours
An additional review of mathematics field endorsement students in their final semester. Students will take the Praxis II Mathematics Content Exam (5161).
Prerequisite: Senior standing
Notes: Graded S/NC

MLC 110 Elementary Language I 3 Credit hours
Fundamentals of a language other than Spanish, French, or German. Basic grammar, reading, writing, conversation, and culture. Languages offered may include Russian, Chinese, Japanese, and American Sign Language, depending on the availability of an instructor.
Notes: No previous knowledge of the language required. This course may be repeated if the target language differs.

MLC 120 Elementary Language II 3 Credit hours
Continued study of a language other than Spanish, French, or German.
Prerequisite: MLC 110 or equivalent.

MUS 101 Music Theory I 3 Credit hours
Fundamentals of pitch and rhythmic notation, intervals, scales, keys, modes, triads and seventh chords. Introduction to figured bass, popular chord symbols, and voice leading. Part-writing of diatonic triads in root position and first inversion. Analysis of non-harmonic tones.
Prerequisite: A "C-" or higher in MUS 103 or instructor approval.

MUS 102 Music Theory II 3 Credit hours
Part-writing of triads and seventh chords in root position and all inversions. Fundamentals of musical form, including cadences, phrases, and periods. Secondary dominant and leading-tone chords. Common chord modulation to closely related keys.
Prerequisite: A "C-" or higher in MUS 101.

MUS 103 Fundamentals of Music Theory 3 Credit hours
Basic components of music reading, including basic rhythms, tenor and bass clef notes, and basic ear training.

MUS 104 Aural Skills I 1 Credit hour
Fundamentals of sight singing and ear training. Includes computer-assisted learning.
Prerequisite: A "C-" or higher in MUS 103 or instructor approval.
Notes: 2 hours per week

MUS 105 Aural Skills II 1 Credit hour
Continued study of sight singing and ear training. Includes computer-assisted learning.
Prerequisite: A "C-" or higher in MUS 104.
Notes: 2 hours per week

MUS 109 Composition Lessons 0.5-2 Credit hours
Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors.

MUS 111 Voice Lessons 0.5-2 Credit hours
Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 112 Keyboard Lessons 0.5-2 Credit hours
Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 113 Trumpet Lessons 0.5-2 Credit hours
Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 114 Horn Lessons 0.5-2 Credit hours
Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 115 Trombone Lessons 0.5-2 Credit hours
Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 116 Euphonium Lessons 0.5-2 Credit hours
Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 117 Tuba Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 118 Flute Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 119 Clarinet Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 121 Oboe Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 122 Bassoon Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 123 Saxophone Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 124 Violin Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 125 Viola Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 126 Cello Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 127 String Bass Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 128 Percussion Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 129 Guitar Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 130 Recital Attendance 0 Credit hours

Attendance at departmental recitals and performances.
Corequisite: Music majors and minors must enroll in this course concurrently with any applied music course (MUS 109, 111-119, 121-129, 311-319, 321-329).

MUS 133 Fortis Choir 1 Credit hour

Choir for tenor and bass voices. To participate, one's full voice must lie naturally in the tenor and bass ranges. Objectives of the ensemble include, but are not limited to, 1) healthy vocal technique, 2) tonal memory and audiation (hearing) skills, 3) music reading skills, and 4) a sense of community within a positive social climate. The choir performs music of many cultures and times, sometimes ranging from medieval to modern.
Notes: Open to all WSC students.

MUS 135 Mariachi Negro y Oro 0.5 Credit hours

Rehearses and performs traditional Mexican mariachi music. Studies performance technique on mariachi instruments: trumpet, violin, guitar, vihuela, and guitarrón.
Notes: Open to all WSC students.

MUS 136 Percussion Ensemble 0.5 Credit hours

Rehearsal and performance of percussion ensemble music.
Notes: Open to all WSC students.

MUS 139 Keyboard Ensemble 0.5 Credit hours

Rehearsal and performance of piano music written for more than one performer.

MUS 140 Lyrica Treble Choir 1 Credit hour

To participate, one's full voice must lie naturally in the treble clef. Objectives of the ensemble include, but are not limited to, 1) healthy vocal technique, 2) tonal memory and audiation (hearing) skills, 3) music reading skills, and 4) a sense of community within a positive social climate. The choir performs music of many cultures and times, sometimes ranging from medieval to modern.
Notes: Open to all WSC students.

MUS 141 Choir 1 Credit hour

Primary vocal ensemble of the music department. Rehearses and performs choral literature from all periods of history, and studies tone production, balance, blend, interpretation, and other principles of choral training. Public concerts will be given.
Prerequisite: Open to all students by audition.

MUS 142 Marching Band/Wind Ensemble 1 Credit hour

Rehearses and performs standard and contemporary wind literature. The Marching Band performs at athletic events and concerts. The Wind Ensemble commences after football season.
Prerequisite: The Wind Ensemble requires an audition.
Notes: The Marching Band is open to all WSC students.

MUS 144 Chamber Choir 0.5 Credit hours

A select vocal ensemble specializing in the performance of choral literature from the Medieval and Renaissance Periods, as well as vocal chamber music. In the fall, extra rehearsals are required to prepare for the Elizabethan Christmas Feast.
Prerequisite: Open to all WSC students by audition and director approval.
Corequisite: MUS 141

MUS 145 Brass Ensemble 0.5 Credit hours
Rehearsal and performance of brass music in a chamber music environment.

MUS 146 Woodwind Ensemble 0.5 Credit hours
Rehearsal and performance of woodwind music in a chamber music environment.

MUS 147 Jazz Ensemble 0.5 Credit hours
Rehearsal and performance of jazz music.

MUS 148 String Ensemble 0.5 Credit hours
Rehearsal and performance of string music in a chamber music environment.

MUS 149 Symphonic Band 0.5 Credit hours
Rehearses and performs a variety of wind literature.
Notes: Open to all WSC students.

MUS 150 Class in Voice 1 Credit hour
Fundamentals of vocal technique for healthy and expressive singing, introduction to IPA; fundamentals of English and Italian diction.
Notes: 2 hours per week

MUS 152 American Music 3 Credit hours
Traces the progression of American music from colonial times to present, including all styles from classical to folk to popular music. Students will investigate the roots of today's music and understand how the events in American history have influenced American music and vice versa.

MUS 154 American Popular Music 3 Credit hours
Presents the elements of music in an overview of American Popular music from the 1800s to the present. Includes discussion of historical and social impacts on the development of popular music in America.

MUS 156 History of Jazz 3 Credit hours
Provides the opportunity to learn about Jazz, a genre of music that is native to America. The study of Jazz includes its forms and characteristics, as well as its history and cultural context.

MUS 158 Music in Film 3 Credit hours
An exploration of music through the lens of popular film. Topics covered will include composers; history; innovations in film and in music; the film industry; fundamentals of music reading, theory, and appreciation; and the general relationship between music and film and the importance of film as a "total art."

MUS 162 Music Theatre 3 Credit hours
A study of the history of music theatre and exploration of the functions of music in theatrical productions.

MUS 164 History of American Rock 'n' Roll, 1940-1980 3 Credit hours
A study of the history of Rock 'n' Roll music in America. Includes an exploration of the elements of music and study of the cultural, economic, and social influences which shaped this American phenomenon.

MUS 166 Music Appreciation 3 Credit hours
This course introduces the study of music focusing on the elements of music and their relationships, the musical characteristics of representative works and composers, and common musical forms and genres of various historical style periods. Music in its cultural and social contexts will be explored along with the development of listening skills.

MUS 168 World Music 3 Credit hours
An exploration of music from the non-Western world in the classical, folk, and popular styles. Focuses on specific musical characteristics as well as the purpose and function of music in the society from which it originates.

MUS 171 Class in Strings I 1 Credit hour
Methods, materials, and techniques for playing and teaching violin and viola.
Class fee: $20
Notes: 2 hours per week

MUS 172 Class in Strings II 1 Credit hour
Methods, materials, and techniques for playing and teaching cello and bass.
Class fee: $20
Notes: 2 hours per week

MUS 173 Class in Woodwinds I 1 Credit hour
Methods, materials, and techniques for playing and teaching flute, clarinet, and saxophone.
Class fee: $20
Notes: 2 hours per week

MUS 174 Class in Woodwinds II 1 Credit hour
Methods, materials, and techniques for playing and teaching double reed instruments.
Class fee: $20
Notes: 2 hours per week

MUS 175 Class in Brass I 1 Credit hour
Methods, materials, and techniques for playing and teaching high brass instruments.
Class fee: $20
Notes: 2 hours per week

MUS 176 Class in Brass II 1 Credit hour
Methods, materials, and techniques for playing and teaching low brass instruments.
Class fee: $20
Notes: 2 hours per week

MUS 177 Class in Percussion 1 Credit hour
Methods, materials, and techniques for playing and teaching percussion instruments.
Class fee: $20
Notes: 2 hours per week

MUS 178 Class in Guitar 1 Credit hour
Methods, materials, and techniques for playing and teaching guitar.
Prerequisite: MUS 101 or instructor approval.
Class fee: $20
Notes: 2 hours per week

MUS 201 Music Theory III 3 Credit hours
Further practice with secondary chords. Harmonic sequences involving diatonic and secondary chords. Binary and ternary forms. Modal mixture, the Neapolitan, and augmented sixth chords. Introduction to chromatic modulation.
Prerequisite: A "C-" or higher in MUS 102.

MUS 202 Music Theory IV 3 Credit hours
Modulation to foreign keys using chromatic pivot chords, including enharmonic modulation. Ninth, eleventh, thirteenth chords, altered dominants, chromatic mediants, and common-tone diminished sevenths. Introduction to 20th century harmonic practices.
Prerequisite: A "C-" or higher in MUS 201.

MUS 204 Aural Skills III 1 Credit hour
Continued study of sight singing and ear training. Includes computer- assisted learning.
Prerequisite: A "C-" or higher in MUS 105.
Notes: 2 hours per week

MUS 205 Aural Skills IV 1 Credit hour
Continued study of sight singing and ear training. Includes computer-assisted learning.
Prerequisite: A "C-" or higher in MUS 204.
Notes: 2 hours per week

MUS 208 Fundamentals of Conducting 1 Credit hour
Fundamental techniques of the physical movement of conducting and its process, including beat patterns, transposition and score reading.
Prerequisite: MUS 101
Notes: 2 hours per week

MUS 210 Introduction to Performing Arts Management 3 Credit hours
An overview of the field of performing arts management. This course will provide a basic understanding of the role of a performing arts administrator through readings, class discussion, research projects, and class presentations, guest lectures and visits to non-profits arts organizations. Topics such as board development, fundraising, marketing and publicity, volunteers and strategic planning will be discussed.

MUS 214 Music and Creative Processes in Education 2 Credit hours
Basic music literacy concepts and skills necessary for integrating music in the elementary classroom. Includes pedagogical methods and creative exploration involving listening, expressive movement, aesthetics, improvisation, and performance using rhythm, verbal rhyming, singing and other musical skills which reinforce and enhance content in the elementary curriculum.
Notes: 3 hours lecture and lab combined.

MUS 280 Class in Piano I 1 Credit hour
Development of functional piano skills for non-pianists. Emphasis on keyboard theory and technique, sight reading, harmonization, improvisation, score reading, accompanying, and solo/ensemble repertoire.
Class fee: $20
Notes: 2 hours per week

MUS 281 Class in Piano II 1 Credit hour
Continued development of the skills begun in MUS 280.
Prerequisite: A "C-" or higher in MUS 280 or instructor approval.
Class fee: $20
Notes: 2 hours per week

MUS 300 Choral Arranging 2 Credit hours
Principles and practices of arranging music for various choral ensembles with and without instrumental accompaniment. Emphasis on the production of practical arrangements.
Prerequisite: A "C-" or higher in MUS 202.

MUS 301 Counterpoint 2 Credit hours
Species counterpoint, invertible counterpoint, imitative procedures, and canonic writing in eighteenth-century style. Composition of short pieces. Emphasis on two and three-part forms.
Prerequisite: A "C-" or higher in MUS 202.

MUS 302 Form and Analysis 2 Credit hours
Study of large-scale formal structures in music, including variations, rondo, sonata form, sonata-rondo, and fugue. Analysis of selected works from the Baroque, Classical, and Romantic periods.
Prerequisite: A "C-" or higher in MUS 202.

MUS 303 Instrumentation 2 Credit hours
General considerations of instrument ranges, transposition, and performance capabilities. Characteristics of standard orchestration as applied to transcribing and arranging for various ensembles.
Prerequisite: A "C-" or higher in MUS 202.

MUS 304 Music Industry 3 Credit hours

This course will explore and examine many of the diverse fields and career opportunities within the music industry through readings, guest lecturers and visits to music businesses, such as record labels and recording studios. Topics such as career options and current issues in performing arts management will be discussed. Students will also reflect upon their career goals and begin working on interview, resume writing and professionalism skills.

MUS 305 Music Technology 1 Credit hour

An introduction to music technology including composition and recording software, as well as computer assisted instruction.
Prerequisite: A "C-" or higher in MUS 101.
Notes: 2 hours per week

MUS 306 Choral Conducting and Materials 2 Credit hours

Techniques and practical applications of conducting and rehearsing vocal ensembles, including rehearsal management, tone production, diction, and musical interpretation. Includes survey of materials for the school choir. Additional time may be required for students to rehearse a large choral ensemble.
Prerequisite: MUS 208

MUS 307 Instrumental Conducting and Materials 2 Credit hours

Techniques and practical applications of conducting and rehearsing instrumental ensembles. Includes significant experience in literature, score studying, rehearsal techniques, transposition, and interpretation. Additional time will be required for students to rehearse a large instrumental ensemble.
Prerequisite: MUS 208
Corequisite: MUS 149

MUS 308 Teaching Vocal Music 7-12 2 Credit hours

A survey of methods and materials used for teaching vocal music in junior high school and high school. Pedagogical materials include: testing, classifying, and blending voices, problems of the changing voice, materials for glee club, chorus and ensembles, contests and public appearances, developing, running, and maintaining a show choir program, general music class, and sight-singing. Meets computer literacy requirements.
Prerequisite: MUS 208

MUS 309 Teaching Instrumental Music 2 Credit hours

Instruction in the structure, organization, management, and teaching techniques required of a PK-12 instrumental music program.

MUS 310 Song and Choral Literature 2 Credit hours

General survey of solo vocal and choral literature. Emphasis given to major composers and standard repertoire together with influences from non-Western cultures.

MUS 311 Voice Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 312 Keyboard Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 313 Trumpet Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 314 Horn Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 315 Trombone Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 316 Euphonium Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 317 Tuba Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 318 Flute Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 319 Clarinet Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 320 Diction for Singers 2 Credit hours

A study of foreign language diction.

MUS 321 Oboe Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 322 Bassoon Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 323 Saxophone Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 324 Violin Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 325 Viola Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 326 Cello Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 327 String Bass Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 328 Percussion Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 329 Guitar Lessons 0.5-2 Credit hours

Applied music study includes participation in one 50-minute studio class in addition to the weekly lesson in the primary performance area.
Prerequisite: Instructor approval
Corequisite: MUS 130 for music majors and minors. Must also be enrolled in the appropriate large ensemble.
Class fee: $20

MUS 340 Conducting Lessons 1 Credit hour

Advanced study of conducting techniques and ensemble literature. Instruction will be by private studio study with independent practice required. Advanced students may be permitted to conduct WSC ensembles.
Prerequisite: MUS 306 or MUS 307.

MUS 341 Fundamentals of Jazz Improvisation 1 Credit hour

A practical course in learning the basics of jazz improvisation. Emphasis on jazz scales and chords, reading chord changes, and general concepts of improvisation with application on the student's primary instrument.
Prerequisite: MUS 101

MUS 380 Class in Piano III 1 Credit hour

Continued development of the skills begun in MUS 281.
Prerequisite: A "C-" or higher in MUS 281 or instructor approval.
Class fee: $20
Notes: 2 hours per week

MUS 381 Class in Piano IV 1 Credit hour
Continued development of the skills begun in MUS 380.
Prerequisite: A "C-" or higher in MUS 380 or instructor approval.
Class fee: $20
Notes: 2 hours per week

MUS 401 History and Literature of Music I 3 Credit hours
Music of ancient Greece and Rome, world music traditions, and Western music from the Middle Ages through the Baroque. Analysis of musical types and influential composers in each era.

MUS 402 History and Literature of Music II 3 Credit hours
Music of the Classical period through contemporary. Romanticism, Nationalism, Impressionism, Modernism, and postmodern musical techniques and styles. Analysis of the music of the most influential composers.

MUS 403 Instrument Repair 1 Credit hour
A laboratory course covering minor repair and techniques on brass and woodwind instruments.
Class fee: $20
Notes: 2 hours per week

MUS 405 Double Reed Making 2 Credit hours
A laboratory course covering the construction and adjustment of oboe and bassoon reeds.

MUS 409 Arts Marketing 3 Credit hours
The study of techniques related to marketing and promoting the arts. This course will provide students with the tools to create a comprehensive marketing plan that makes use of the internet and social media as well as traditional marketing methods.
Prerequisite: MUS 304

MUS 411 Content Area Practicum 0.5 Credit hours
A field experience, designed with the content area(s) for practical application of the teaching and learning process. This course will focus on active participation within the classroom setting under supervision of the classroom instructor.
Prerequisite: Candidacy in Educator Preparation.
Corequisite: MUS 415

MUS 412 Secondary Education Practicum 0.5 Credit hours
A field experience, designed with the content area(s) for practical application of the teaching and learning process. This course will focus on active participation within the classroom setting under supervision of the classroom instructor.
Prerequisite: Candidacy in Educator Preparation.
Corequisite: MUS 308 or MUS 309.

MUS 415 Teaching Music PK-6 2 Credit hours
A survey of philosophies, materials, and pedagogical methods for teaching music to children in grades PK-6. Creative exploration of musical activities incorporating movement, improvisation, composition, listening, and curriculum development.
Prerequisite: Music major or minor; or instructor approval.
Corequisite: MUS 411

MUS 420 Music Industry Capstone 2 Credit hours
This course focuses on incorporating knowledge, skills, and dispositions developed in previous courses and preparation for the Music Industry Internship. Will include significant field experience.
Prerequisite: MUS 304

MUS 421 Jazz Ensemble Techniques 1 Credit hour
Instruction in the function and goals of a jazz ensemble program, including experience in jazz styles, history, improvisation, and curriculum design.
Corequisite: MUS 147
Notes: 2 hours per week

MUS 422 Marching Band Techniques 1 Credit hour
Instruction in the function and goals of a marching band program as well as practical experience in organization, show design, music selection, and drill design.
Prerequisite: 2 semesters of MUS 142.
Corequisite: MUS 142
Notes: 2 hours per week

MUS 423 Vocal Pedagogy 2 Credit hours
The study of teaching voice.

MUS 424 Keyboard Pedagogy and Literature 2 Credit hours
The study of techniques and solo literature for keyboard instruments.

MUS 425 String Pedagogy and Literature 2 Credit hours
The study of teaching techniques and solo literature for string instruments.

MUS 426 Brass Pedagogy and Literature 2 Credit hours
The study of teaching techniques and solo literature for brass instruments.

MUS 427 Woodwind Pedagogy and Literature 2 Credit hours
The study of teaching techniques and solo literature for woodwind instruments.

MUS 441 Choir 1 Credit hour
Primary vocal ensemble of the music department. Rehearses and performs choral literature from all periods of history, and studies tone production, balance, blend, interpretation, and other principles of choral training. Public concerts will be given. Carries the expectation of additional responsibilities.
Prerequisite: Four semesters of MUS 141. Open to all qualified WSC students by audition.

MUS 442 Marching Band/Wind Ensemble 1 Credit hour

Rehearses and performs standard and contemporary wind literature. The Marching Band performs at athletic events and concerts. Carries the expectation of additional responsibilities. The Wind Ensemble commences after football season.

Prerequisite: Four semesters of MUS 142 or MUS 149. The Wind Ensemble requires an audition.

Notes: The Marching Band is open to all WSC students.

MUS 444 Topics in Music Pedagogy and Literature 2 Credit hours

The study of teaching techniques and literature in instrumental and vocal performance. The performance area will depend on needs and interests of students and will be in one of the following areas: voice, keyboard, woodwinds, brass, percussion, or strings.

Dual-listed: MUS 544

Notes: May be repeated for up to 6 credit hours with no content duplication.

MUS 454 Senior Recital 1 Credit hour

The presentation of a 30-minute senior recital in a student's primary performance area.

Corequisite: The 300-level private applied lessons during the term in which the senior recital is given.

Class fee: $20

Notes: This course may be repeated one time for credit in a second performance area.

MUS 492 Senior Seminar 3 Credit hours

Focused study in an area of musical interest that incorporates knowledge and skills developed in previous course of the General Music curriculum.

Prerequisite: Instructor and department chair approval.

Notes: Title of the project will be entered on the permanent record.

MUS 497 Music Industry Internship 6 Credit hours

The internship program is a credit bearing program providing undergraduate students with the opportunity to integrate career-related work experience with classroom learning. Work experiences occur in positions relevant to the Music Industry. Internships require a minimum of 45-50 work hours for each 1 hour of credit.

Prerequisite: A minimum 2.0 GPA; and academic advisor and/or department chair approval.

N

NAT 280 Life Science for Elementary Education 3 Credit hours

Integrated biology and chemistry lecture/laboratory course for elementary education students and is not applicable to any major, minor or endorsement in any math or science area. Topics to include System International, atomic structure and bonding, physical and chemical changes, energy transfer, periodic table, scientific method, inquiry, and problem-solving, multicellular organization, classification of living things, selected topics in biochemistry, genetics, botany, and microbiology, ecology and zoology.

Class fee: $30

Notes: 2 hours lecture, 2 hours lab. Meets the life science General Studies requirement of Elementary Education, Early Childhood, Middle Level, and Special Education majors.

NAT 281 Physical Science for Elementary Education 3 Credit hours
Integrated physics, earth science and astronomy lecture/laboratory course for elementary education students and is not applicable to any major, minor or endorsement in any math or science area. Topics to include force and motion, Newton's laws of motion, waves, sound and light, rocks and minerals, plate tectonics, earthquakes, volcanoes, and mountain building, meteorology, the water, carbon, and nitrogen cycles, and astronomy topics. An individual inquiry/science research project is required.
Class fee: $30
Notes: 2 hours lecture, 2 hours lab. Meets the physical science General Studies requirement of Elementary Education, Early Childhood, Middle Level, and Special Education majors.

NAT 421 Scientific Communications 3 Credit hours
Analysis of common English words and technical terms in biology, chemistry, geology, and medicine that have derivation from Latin and Greek.
Notes: Recommended for science and non-science majors and for all students in health-related areas.

P

PED 103 Physical Health and Wellbeing 3 Credit hours
This course will challenge students to understand the scientific, behavioral, and cultural basis for physical health and wellness in contemporary society. In particular, the course will examine the role of exercise and activity in the prevention of chronic diseases and promotion of physical health and wellness. Students will learn basic means of evaluating, addressing, and monitoring holistic realms of fitness and their impact on health and disease.
Notes: This course will include lecture, lab, and physical activity.

PED 105 Anatomy and Physiology I 3 Credit hours
An introduction to the physiological processes and anatomical features of the body which are related to and affected by physical activity and training. Systems include the integumentary, skeletal, and muscular.

PED 106 Weight Control 1 Credit hour
A course designed for an increased awareness of the essential components of weight management. Emphasis on nutrition, fitness, and lifestyle changes to improve students' general well-being.

PED 122 Squad Participation 1 Credit hour
Credit for student-athlete participation in athletics. Regular attendance and participation are required in all activities of an intercollegiate team.
Prerequisite: Must be a student-athlete.
Notes: This course may be repeated for a total of 2 credit hours with instructor approval.

PED 130 Introduction to Exercise and Allied Health Professions 3 Credit hours
An introduction to the careers commonly pursued with a major in Applied Human and Sport Physiology or Exercise Science. Topics will include the historical background professional associations, career opportunities, and academic advising for such careers. This course will include up to 10 hours of out-of-class job shadowing experience.

PED 140 Introduction to Sport Management 3 Credit hours
A study of the history and philosophy of sport including the emergence of the field of sport management. Surveys of the sub-fields of sport psychology, sociology of sport, sport marketing and promotion, economics of sport, sport media, professional sport and collegiate sport are investigated along with a strong emphasis of ethics in sport.

PED 151 Introduction to Health and Physical Education 2 Credit hours
A study of the foundations and philosophies of Health and Physical Education with a review of the history and principles of each.

PED 171 Elementary School Health and Physical Education 3 Credit hours
Identification, practice, and presentation of movement education, fundamentals, and specialized skills as they relate to the needs and characteristics of elementary age children. Includes the study of fitness, games, rhythms, manipulative activities, apparatus, stunts and tumbling, and sport-related skills appropriate to K-6.

PED 200 Introduction to Motor Learning and Development 3 Credit hours
A study of the physical, mental, and emotional factors that affect normal growth and development, and of the physiological and psychological factors that are related to the acquisition of motor skills. Special consideration is given to the teacher/coach's role in facilitating motor learning.

PED 205 Anatomy and Physiology II 3 Credit hours
A continuation of the study of the physiological processes and anatomical features of the body which are related to and affected by physical activity and training. Systems include the nervous, endocrine, cardiovascular, and respiratory. the study of metabolic and renal physiology will be addressed in the context of these systems.
Prerequisite: PED 105

PED 207 Athletic Performance and Nutrition 3 Credit hours
This course will enable the student to attain a better understanding of the dynamic relationship between nutrition and human physiological processes akin to athletics and exercise.

PED 220 Fitness and Recreation Activities 1 Credit hour
A variety of activities will be offered as announced in the registration bulletins.
Class fee: $168 for bowling section only.
Notes: Title will vary with offering. This course may be repeated for a total of 6 credit hours.

PED 224 Fitness and Pickle-Ball 1 Credit hour
Skills, techniques, and game strategies; unit and lesson planning and principles of teaching will be provided for majors.

PED 227 Weight Training 1 Credit hour
Fundamental skills in the use of free weights and weight machines and the techniques for developing strength and fitness will be provided for majors.

PED 229 Aerobic Dance 1 Credit hour
Principles and activities for the development of lifetime fitness and skills; unit and lesson planning, principles of teaching will be provided for majors.

PED 230 Tennis and Racquetball 1 Credit hour
Skills, techniques, and game strategies; unit and lesson planning and principles of teaching will be provided for majors.

PED 240 Functional Movement Certification 1 Credit hour
This course is designed to introduce students to the process of functional movement assessment and to the Functional Movement Screen (FMS). The FMS is a tool commonly used in human performance related professions to assess how well a person can perform common movement patterns related to sport and physical activity. Students will be required to complete the online FMS Level 1 Certification.
Class fee: $150

PED 242 CPR/AED Certification 1 Credit hour
This course is designed to meet the needs of non-healthcare professionals (i.e. teachers, coaches, and recreational personnel) and community members. Students will gain knowledge and partake in hands-on skills training that will prepare them to respond to breathing and cardiac emergencies. It also teaches the skills and knowledge needed to provide care for victims of sudden cardiac arrest through the safe use of an automated external defibrillator (AED). This class will include CPR and AED for Adults, Children, and Infants.
Class fee: $30

PED 243 First Aid Certification 1 Credit hour
This course will prepare students to identify and eliminate potentially hazardous conditions in their environment, recognize emergencies, and make appropriate decisions for first aid care. It teaches skills that participants need to know in order to provide immediate care for a suddenly ill or injured person until more advanced medical care arrives.
Class fee: $30

PED 250 Strategies in Drug Education 3 Credit hours
This course is intended for preparation to teach drug education to K-12 students, as a part of a health education curriculum. The course will discuss lesson planning, methods of instruction, and methods of assessment to be used in drug education. In order to broaden the knowledge base of the student, the actions, effects, and social roles of legal and illegal drugs will be examined. In addition, trends in drug prevention programs will be explored.

PED 275 Prevention and Care of Athletic Injuries 3 Credit hours
This course explores knowledge and hands-on skills which can be used to prevent, recognize, assess, and treat common injuries and illnesses associated with sport and recreational activities.
Prerequisite: PED 105 or BIO 220
Class fee: $50

PED 277 Media Relations in Sport 3 Credit hours

An examination of the role of the sport information department in relation to media, coaches, athletes, and society. The course will focus on oral and written communication, statistics, and ethical dilemmas. Case studies and current events will be stressed.

PED 287 Computer Applications in HHPS 3 Credit hours

A course designed to provide the student with skills and technical knowledge required for desktop publishing, multimedia presentations, World Wide Web Page production and incorporating Internet sources into presentations. Includes a variety of software and hardware to produce graphics, text documents and page formatting programs. New techniques and software are updated to match requirements within the field.
Notes: Meets the computer requirement for all HHPS majors.

PED 288 Sport Tourism and Event Management 3 Credit hours

This course introduces students to the nature, structure, and complexity of the sport tourism and event management industry. Topics covered include: economic, sociocultural, and environmental impacts, traveler motivations, marketing, bidding, staffing, and development principles.

PED 295 Sport Management Public Relations and Communications 3 Credit hours

Studies the nature and function of communication and public relations in sport management. Emphasis on personnel, time and conflict management, mass media relations, interviewing, technology, and the use of computers in the sport industry.
Prerequisite: PED 277

PED 304 Sport Physiology 3 Credit hours

A study of human athletic performance physiology applicable to coaching. Physiological concepts related to sports performance including training methods and nutrition for athletes. For students taking a minor or endorsement to coach.
Prerequisite: PED 105 or BIO 220

PED 305 Exercise Physiology 3 Credit hours

A study of the major physiological systems and their response to exercise for Physical Education K-12, K-6, 7-12, and Wellness majors and students in these areas also taking Coaching minor or Endorsement. This includes the application of physiological concepts to physical training.
Prerequisites: PED 105 or BIO 220; and PED 205 or BIO 340.

PED 311 Theory and Fundamentals of Football Coaching 3 Credit hours

Fundamental skills, theories, philosophies, methods, and organizational skills related to football coaching.
Prerequisite: Sophomore standing

PED 312 Theory and Fundamentals of Basketball Coaching 3 Credit hours

Fundamental skills, theories, philosophies, methods, and organizational skills related to basketball coaching.
Prerequisite: Sophomore standing

PED 313 Theory and Fundamentals of Track Coaching 3 Credit hours
Fundamental skills, theories, philosophies, methods, and organizational skills related to track coaching.
Prerequisite: Sophomore standing

PED 314 Theory and Fundamentals of Wrestling Coaching 3 Credit hours
Fundamental skills, theories, philosophies, methods, and organizational skills related to wrestling coaching.
Prerequisite: Sophomore standing

PED 315 Theory and Fundamentals of Baseball Coaching 3 Credit hours
Fundamental skills, theories, philosophies, methods, and organizational skills related to baseball coaching.
Prerequisite: Sophomore standing

PED 316 Theory and Fundamentals of Softball Coaching 3 Credit hours
Fundamental skills, theories, philosophies, methods, and organizational skills related to softball coaching.
Prerequisite: Sophomore standing

PED 317 Theory and Fundamentals of Volleyball Coaching 3 Credit hours
Fundamental skills, theories, philosophies, methods, and organizational skills related to volleyball coaching.
Prerequisite: Sophomore standing

PED 318 Theory and Fundamentals of Soccer Coaching 3 Credit hours
Fundamental skills, theories, philosophies, methods, and organizational skills related to coaching soccer.
Prerequisite: Sophomore standing

PED 330 Research and Current Trends in Exercise Science 3 Credit hours
The course will introduce students to the process, skills, technology, interpretation, and application of research as they examine current topics and trends in Exercise Science.

PED 341 Organization, Administration, and Curriculum Development of Secondary Health and Physical Education 3 Credit hours
Utilization of the philosophy, aims, and objectives of Health and Physical Education in developing programs and curricula for secondary school health and physical education.

PED 346 Organization, Administration, and Curriculum Development of Elementary Health and Physical Education 3 Credit hours
Utilization of the philosophy, aims, and objectives of Health and Physical Education in developing programs and curricula in elementary school health and physical education. To include supervised experiences in public school programs.
Prerequisites: PED 151 and PED 171

PED 351 Biomechanics 3 Credit hours
A kinesiological approach to the anatomical and mechanical analysis of human movement. Movement terminology as well as muscular and neuro-muscular function in sport will be studied. Special emphasis will be placed relating biomechanics to movement evaluation in K-12 health and physical education.
Prerequisite: PED 105 or BIO 220

PED 357 Principles of Strength and Conditioning 3 Credit hours
Designed to provide students with theoretical and practical knowledge of the physiological, biomechanical, and administrative aspects of designing and supervising strength and conditioning programs for various populations.
Prerequisites: PED 227 and PED 304 or PED 305.

PED 361 Methods and Materials in Health and Physical Education 3 Credit hours
A study of methods and materials for teaching health and physical education. Special emphasis will be placed on aims, principles, philosophies, and organization.

PED 381 Physical Education Practicum 2 Credit hours
Organization, presentation, and evaluation of health and physical education activity units.
Prerequisite: Physical Education majors only.
Notes: This course may be repeated.

PED 385 Sport Management Practicum 1-3 Credit hours
Organization and management of information, internal workings and services offered through an approved sports information or management entity.
Prerequisite: Instructor approval
Notes: This course may be repeated.

PED 390 Ethics in Sport Management 3 Credit hours
A study of ethical procedures and behaviors in sport management. Emphasis on the areas of academic counseling of student-athletes, diversity, stereotypes, media, athletes as role models, career development, and developing the overall benefits of athletics.
Prerequisite: Junior standing

PED 400 Exercise and Clinical Populations 3 Credit hours
This course provides the student with knowledge and skills for developing and supervising safe and effective evidence-based health and rehabilitative exercise for patients and clients with cardiovascular, pulmonary, metabolic, and other clinical co-morbidities. The student will gain knowledge in the pathophysiology and pharmacology of common non-communicable diseases, with an understanding of the evidence-based exercise prescription for these clinical populations. Skills will include blood pressure measurement and ECG rhythm interpretation.
Prerequisites: PED 105 or BIO 220, PED 205 or BIO 340, and a minimum 2.5 cumulative GPA.
Dual-listed: PED 500

PED 405 Sport Business 3 Credit hours
A study of finance and economics in sport including budget development and management, funding, capital improvements, supply and demand trends, and economic impact of sport and leisure events.

PED 407 Motor Perception and Adaptives for Special Populations 3 Credit hours
The study of the processes identification, evaluation, and remediation of the children with mild to moderate structural, developmental and perceptual motor problems. Also designed to study techniques in adapting health and physical education curriculum needs of special populations.
Dual-listed: PED 507

PED 410 Sport Law 3 Credit hours
Shows the impact of the legal process on sport. Collective bargaining agreements, agent representatives, liability concerns, control of amateur, professional, and school sport, risk management.

PED 411 Sport Marketing and Promotion 3 Credit hours
The economic, social, and political forces that affect sport. Analysis of successful and unsuccessful marketing campaigns. Integration of the elements of marketing segmentation, product, price, and communication into sport marketing.

PED 450 Leadership in Sport Organizations 3 Credit hours
An overview of the total management responsibilities in sport and leisure service organizations. Program philosophy and development, personnel management, leadership, strategic management, public relations, and technology in sport receive specific attention.

PED 456 Lower Extremity Evaluation 3 Credit hours
This course provides an introduction to orthopedic injuries and the orthopedic injury examination process for the lower extremity. The course will include injury nomenclature as well as clinical anatomy, knowledge and hands-on skills for the injury examination process, and injury management.
Prerequisites: PED 105 or BIO 220, and PED 351.
Dual-listed: PED 556

PED 457 Upper Extremity Evaluation 3 Credit hours
This course provides an introduction to orthopedic injuries and the orthopedic injury examination process for the upper extremity and trunk. The course will include injury nomenclature as well as clinical anatomy, knowledge and hands-on skills for the injury examination process and injury management.
Prerequisite: PED 105 or BIO 220, and PED 351.
Dual-listed: PED 557

PED 458 Rehabilitation of Musculoskeletal Injuries 3 Credit hours
An introduction to musculoskeletal injury rehabilitation. This course will address basic rehabilitation concepts as well as a variety of techniques and applications.
Prerequisites: PED 351, and PED 456 or PED 457.
Dual-listed: PED 558

PED 464 Facility Management in Sport and Wellness 3 Credit hours
This course is designed to introduce students to the fundamentals of conducting needs assessments, planning, constructing, equipping, staffing, programming, and managing facilities in sport, and wellness.

PED 470 Fitness Evaluation and Assessment 3 Credit hours
An introduction to the techniques of evaluation and assessment of human needs, interests, and performance in the wellness field.
Prerequisite: PED 305
Dual-listed: PED 570

PED 471 Tests and Measurements 3 Credit hours
A study of tests used to determine motor ability, motor capacity, cardiovascular endurance, and body mechanics. Test diagnosis and construction; interpreting and using test results.
Prerequisite: A minimum 2.5 cumulative GPA.
Dual-listed: PED 571

PED 472 Advanced Fitness Assessment, Exercise Prescription, and Applied Research 3 Credit hours
This course is designed to provide students with the knowledge and skills necessary to effectively assess physical fitness, develop exercise prescriptions, and conduct applied research in the field.
Prerequisites: A "B" or better in PED 470, proof of current First Aid and CPR, and a minimum 2.5 cumulative GPA.

PED 473 Applications of Physical Fitness and Program Design 3 Credit hours
This course is designed to provide students with the knowledge and skills necessary to effectively develop and implement an appropriate exercise prescription for various populations.
Prerequisites: A minimum 2.5 cumulative GPA, proof of current First Aid and CPR certification, and PED 357.
Prerequisite or corequisite: PED 472

PED 480 Assessment Seminar 0 Credit hours
This course requires students to demonstrate their level of achievement of the student learning objectives developed for the Applied Human and Sport Physiology major. Various assessment measures such as surveys and comprehensive exams will be used to gather student data.
Prerequisite: AHSP major enrolled in last semester on campus prior to graduation.
Notes: Graded S/NC

PED 485 Sport in American Culture 3 Credit hours
The course is a study of sport and the ways in which it influences people in America.

PED 486 Clinical Year 0 Credit hours
Academic credit completed at an affiliated professional institution.

PED 489 Fieldwork in Sport Management 1-12 Credit hours
A supervised field-based experience to familiarize the student with the conditions, practices, and environmental settings where the aspired vocational roles are conducted. Students, with the help of their advisor, must find an internship site. The site must be approved by the student's advisor and course instructor.
Dual-listed: PED 589

PED 493 Fieldwork in Exercise Science 1-12 Credit hours

A supervised field-based experience to familiarize the student with the conditions, practices, and environmental settings where the aspired vocational roles are conducted. Students, with the help of their advisor, must find an internship site. The site must be approved by the student's advisor and course instructor.

Prerequisite: A minimum 2.5 cumulative GPA and verification of First Aid and CPR Certification that will remain current through the duration of the internship.

PED 495 Research Design in Sports Medicine 3 Credit hours

This course is designed to introduce theory, skills, methodology, and processes involved in designing, conducting, analyzing, and disseminating research with an emphasis on application to evidence-based best practices.

Prerequisites: MAT 180, and PED 456 or PED 457.

PGH 200 Introduction to Personal, Public and Global Health 3 Credit hours

This introductory course will explore the biological and social determinants of health and health disparities, with attention to personal, public, and global health rights and responsibilities. The course is designed to introduce students to principles of personal health and wellness as well as public health disciplines in community, national and global contexts.

PGH 250 One Health Special Topics 1-3 Credit hours

Topics relevant to One Health Studies and credits may vary.

PGH 450 One Health Special Topics 1-3 Credit hours

Topics relevant to One Health Studies and credits may vary.

PGH 480 One Health Studies Senior Seminar 1 Credit hour

Students will collaborate with classmates from different concentration areas to analyze and propose solutions to a simulated One Health scenario.

Prerequisite: Senior standing or instructor approval.

PGH 490 One Health Practicum 1-6 Credit hours

Students will work with major advisor and site supervisor to develop an agreement for responsibilities, hours, and timeline for completing the practicum and final approval. Fifty hours of practicum are required for each credit hour.

Prerequisite: Approval by major advisor who will serve as instructor on record.

PHI 101 Introduction to Philosophy 3 Credit hours

A philosophical examination of fundamental human questions, conducted through reading and discussions concerning problems in knowledge, reality, and value (ethics and aesthetics).

PHI 105 Ethics and Values 3 Credit hours

A General Studies ethics course intended to introduce students to philosophical reasoning about ethical issues. This course emphasizes understanding philosophical inquiry and argument, thinking critically about major ethical systems and the ideas of prominent philosophers, and applying philosophical perspectives and ethical principles to contemporary ethical issues.

PHI 110 The Power of Critical Thinking 3 Credit hours
An introduction to quantitative and logical reasoning. Topics include statistical arguments and probability, deduction and induction, informal fallacies, psychological impediments to good reasoning, scientific reasoning, and application of critical thinking skills to everyday life.

PHI 201 The Origins of Western Philosophy 3 Credit hours
Readings in the pre-Socrates, Plato, Aristotle, Plotinus, St. Augustine, St. Thomas Aquinas, and others.

PHI 202 History of Modern Philosophy 3 Credit hours
History and problems of philosophy from the later Renaissance to the 20th century, developed through readings in the major philosophers of each century.

PHI 208 Aesthetics 3 Credit hours
A survey of the major philosophical theories of art from ancient Greece to modern times, with examination of the standards proposed by each theory for evaluating works of art.

PHI 310 Logic 3 Credit hours
A study of formal logic, including categorical syllogisms, propositional logic, natural deduction, and predicate logic.

PHI 330 Philosophy of Religion 3 Credit hours
Consideration of the central philosophical problems presented by systems of religious belief. Possible topics include the nature and attributes of God, arguments for and against the existence of God, the problem of evil, faith and the need for evidence, miracles, and mystical experience. An understanding of the methods of philosophical inquiry and of the ideas of prominent philosophers will be emphasized.

PHI 335 Comparative Religion 3 Credit hours
A survey of the metaphysical, epistemological, ethical, and political tenets of the major world religions, including Hinduism, Buddhism, Judaism, Islam, and Christianity.

PHI 350 Topics in Philosophy 3 Credit hours
A course which focuses on areas or disciplines within Philosophy (examples Philosophy of Science, Existentialism, Philosophies of the Orient, Philosophy of Language, Special Topics in Metaphysics, Epistemology, or Ontology).
Notes: May be repeated with different topics.

PHS 102 Physical Science Today 3 Credit hours
Selected topics of physics, chemistry, and earth science to be presented by the laboratory-oriented approach, and in compliance with the requirements of General Studies.
Class fee: $30 only for the hybrid section cross-taught with EAS 302.
Notes: 4 hours lecture and lab combined. Does not apply to any major, minor, or endorsement in any science area (BIO, CHE, EAS, NAT, PHS, PHY) unless specified.

PHY 115 Professionalism in Science and Engineering 2 Credit hours
A course presenting professional issues pertinent to engineers and scientists along with an overview of the various engineering and science disciplines. A course intended primarily for pre-engineers. Case studies based upon actual technical problems will be presented by practicing engineers and scientists.

PHY 201 General Physics I 3 Credit hours
An algebra-based general physics course intended primarily for health professions, life science and education students. Topics include vectors, kinematics and dynamics, equilibrium, rotational motion, energy, momentum, oscillations, fluids, and thermodynamics.
Prerequisite: 2 years of algebra.
Corequisite: PHY 321

PHY 202 General Physics II 3 Credit hours
A second semester algebra-based general physics course intended primarily for health professions, life science, and education students. Topics include electricity, magnetism, optics, and modern physics.
Prerequisite: PHY 201 or PHY 301.
Corequisite: PHY 322

PHY 209 General Physics I Recitation 1 Credit hour
A complementary course for PHY 201 that focuses on mathematics review and physics studying, exam-taking, and problem-solving techniques.
Corequisite: PHY 201

PHY 210 General Physics II Recitation 1 Credit hour
A complementary course for PHY 202 that focuses on mathematics review and physics studying, exam-taking, and problem-solving techniques.
Corequisite: PHY 202

PHY 214 Applied Statics 3 Credit hours
The study of rigid bodies in static equilibrium. A course intended primarily for pre-engineers. Topics include static equilibrium, couples, two- and three-dimensional force systems, trusses, frames and machines, friction, centroids, and moments of inertia.
Prerequisites: MAT 140 and PHY 301.

PHY 215 Applied Dynamics 3 Credit hours
Newton's laws of motion are applied to particles and rigid bodies. A course intended primarily for pre-engineers. Topics include absolute and relative motion, forces, acceleration, work and energy, momentum, torque, and angular momentum.
Prerequisites: PHY 214 and PHY 302.

PHY 301 University Physics I 4 Credit hours

A calculus- based general physics course intended primarily for scientists, pre-engineers, computer and math majors and advanced health professional students. Topics include vectors, kinematics and dynamics, equilibrium, rotational motion, energy, momentum, oscillations, fluids, and thermodynamics.
Prerequisites: High school physics and MAT 140 or equivalent calculus class.
Corequisite: PHY 321

PHY 302 University Physics II 4 Credit hours

A second semester calculus-based general physics course intended primarily for scientists, pre-engineers, computer and math majors, and advanced health professional students. Topics include electricity, magnetism, optics, and modern physics.
Prerequisite: PHY 301
Corequisite: PHY 322 by advisement.

PHY 321 Physics Laboratory I 1 Credit hour

Experiments, appropriate to the level of lecture, include topics in mechanics, momentum, work and energy, and fluids.
Corequisite: PHY 201 and PHY 301 recommended but not required.
Class fee: $30
Notes: 3 hours lab

PHY 322 Physics Laboratory II 1 Credit hour

Experiments, appropriate to the level of the lecture, include topics in electricity, magnetism, and basic optics.
Class fee: $30
Notes: 3 hours lab

PHY 326 Electronics 3 Credit hours

An introduction to fundamental principles in electronics. Topics include basic circuit components and circuit analysis, Kirchoff's laws, DC and AC circuits, and applications of electronics to the modern world around us.
Notes: 4 hours lecture and lab combined

PHY 336 Classical Mechanics 3 Credit hours

An upper level course in classical mechanics. Topics include a vector language description of motion, dynamics of a particle, mechanical energy, periodic motion, systems of interacting particles, dynamics of a rigid body and Lagrangian dynamics.
Prerequisite: 1 year of Physics.

PHY 345 Thermodynamics 3 Credit hours

An upper level course in thermodynamics. Topics include energy conservation, the first and second laws of thermodynamics, energy and entropy, work and heat, thermodynamic systems analysis, and properties of state. Application of these fundamentals to energy conversion systems will be presented.
Prerequisite: 1 year of Physics.

PHY 356 Electricity and Magnetism 3 Credit hours
An upper level course in electricity and magnetism. Topics include electrostatics, a microscopic analysis of current and circuits, theories of dielectrics, magnetic properties of matter, and Maxwell's equations.
Prerequisite: 1 year of Physics.

PHY 393 Physics Laboratory Techniques 1-2 Credit hours
Introduction to the direction of students in physics laboratories. Course includes instruction in the setup of equipment, supervision of laboratory activities, evaluation of laboratory reports, and laboratory safety.
Prerequisite: PHY 201 or PHY 301
Notes: 3 to 6 hours a week.

PHY 410 Physics for Teachers I 3 Credit hours
An upper-level general physics course intended primarily for science education students. The course reviews many of the topics from general physics I, including mechanics, with a deeper focus on conceptual understanding, problem-solving techniques, and demonstration development.
Prerequisite: 1 year of Physics.

PHY 420 Physics for Teachers II 3 Credit hours
An upper-level general physics course intended primarily for science education students. The course reviews many of the topics from general physics II, including electricity and optics, with a deeper focus on conceptual understanding, problem-solving techniques, and demonstration development.
Prerequisite: PHY 410

PHY 440 Astrophysics 3 Credit hours
An upper-level course in astrophysics. Topics include a more detailed survey of the sun, the solar system, stellar properties, stellar systems, interstellar matter, galaxies, and cosmology.
Prerequisites: 1 year of Physics and EAS 401.

PHY 457 Modern Physics 3 Credit hours
An upper-level course in modern physics. Topics include special and general relativity, quantum mechanics, atomic physics, particle physics, and nuclear physics.
Prerequisite: 1 year of Physics or instructor approval.

PHY 465 Optics 3 Credit hours
An upper-level course in modern optics. Topics include the electromagnetic nature of light, Huygen's principle, interference, diffraction, polarization, dispersion, absorption, and scattering.
Prerequisite: 1 year of Physics.

POS 100 American National Government 3 Credit hours
The study of the institutions and political processes of the national government.

POS 110 Introduction to World Politics 3 Credit hours
An introduction to the basic concepts of world political activity, offering a broad overview of the application of political science to world politics and international relations.

POS 315 Seminar in Political Theory 3 Credit hours
This seminar allows detailed examination of one or more of the historical and current theoretical positions in political science. Among the possible topics are: classical theory of government, non-western theories, revolutionary theory, American political theory, and the European political tradition.

POS 350 The American Presidency 3 Credit hours
The study and analysis of the development of the contemporary presidency, presidential powers, responsibilities, and political relationships.

POS 355 Politics of the Supreme Court 3 Credit hours
This course focuses on the political forces that shape the Supreme Court's decision- making process. Landmark cases will be closely examined and placed in their political, cultural, and historical context. In addition, students will examine different theories of adjudication, the selection process, and the Supreme Court's relationship with the other political branches.

POS 365 Comparative Government and Politics 3 Credit hours
Analysis and comparison of the political systems and processes of selected countries.

POS 402 State and Local Politics 3 Credit hours
The study of the political institutions and process at state and local levels.
Dual-listed: POS 502

POS 410 Public Policy Analysis and Program Evaluation 3 Credit hours
Public policy analysis consists of systematically exploring alternatives to defined public policy problems. Program evaluation consists of post hoc examination of the process and impact of public policy. This course is an introduction to the basic concepts and practice of public policy and program evaluation. Students will learn qualitative and quantitative methodological skills used in these processes and employ these skills in research.
Prerequisite: POS 430
Dual-listed: POS 510

POS 420 American Constitutional Law 3 Credit hours
A study of the U.S. Constitution and the impact of the Supreme Court's interpretations of the Constitution: judicial review, governmental powers, and rights of citizens, including both civil and criminal rights.

POS 425 Rights and Liberties 3 Credit hours
A study of the Bill or Rights and the impact of the Supreme Court's interpretations on its provisions. Subjects include freedoms of religion, freedoms of speech, freedom of the press, the right to keep and bear arms, search and seizure, the right to counsel, cruel and unusual punishment, discrimination, and the right to privacy.

POS 430 Public Policy 3 Credit hours
The study of domestic policy making processes and institutions at all levels, taught from an intergovernmental relations perspective.
Dual-listed: POS 530

POS 444 Topics in Political Science 3 Credit hours
Current or special issues in Political Science will be examined. The course offers students the opportunity to discuss relevant issues facing society.
Notes: This course may be repeated, by advisement, with different topics.

POS 445 Public Administration and Management 3 Credit hours
Concepts of public administration and management processes, introduction to administrative processes of personnel, budgeting, and program management; analysis of public bureaucracy's function from a public policy perspective.
Dual-listed: POS 545

POS 490 Junior/Senior Research Seminar 3 Credit hours
A study of the techniques and methodology of political science and social sciences research. Students will complete a major research project on a topic of their choice and present the results.
Prerequisite: Junior standing

PSY 101 General Psychology 3 Credit hours
An overview of human behavior from various psychological perspectives. Topics covered to include; learning, maturation, biological foundations, motivation, perception, personality development, personal awareness, abnormal behavior, and social behavior.

PSY 230 Life Span Development 3 Credit hours
Presentation of physical, cognitive, social, and personality development throughout the life span. Development tasks will be presented.

PSY 300 Evolutionary Psychology 3 Credit hours
Focuses on the origins of behavior and mental processes, the adaptive value they have or had, and the purposes they serve or served.

PSY 316 Social Psychology 3 Credit hours
The scientific discipline that investigates social influences that appear to produce similarities and differences in human behavior.
Prerequisite: PSY 101 or SOC 101.

PSY 345 Health Psychology 3 Credit hours
Health Psychology emphasizes the role of psychological factors in the maintenance of good health; the prevention of illness; and the treatment of, recovery from, and adjustment to existing and ongoing illness.

PSY 401 Theories of Personality 3 Credit hours
Distinctive themes of selected theories of personality will be presented. Emphasis is placed on those themes that foster knowledge of individual behavior.

PSY 402 Learning 3 Credit hours

A study of the principles, theories and research on learning and behavior. The course will emphasize basic principles of learning and real world examples and applications of them. Topics include habituation, classical conditioning, reinforcement, punishment, stimulus control of behavior, biological constraints on learning, and animal memory and cognition.
Dual-listed: PSY 502

PSY 403 Cognitive Psychology 3 Credit hours

This course is organized around the information-processing framework of human cognition. The purpose of the class is to introduce substantive fundamental issues in human cognition, learning and memory. Selected experiments and their implications for conceptual issues will be discussed in depth in order to draw their direct pertinence to and potential impact upon human affairs.
Dual-listed: PSY 503

PSY 405 Experimental Psychology 3 Credit hours

An introduction to the methods of experimental psychology as a means of obtaining information about behavior. The laboratory section will allow students to learn to apply and report research methods by initiating, conducting, analyzing, and reporting experimental research procedures.
Prerequisite or corequisite: SSC 319 or equivalent.

PSY 406 Death and Dying 3 Credit hours

This course examines various causes of death (including "natural causes," AIDS, suicide, violent deaths), dying with dignity, and our attitudes about death, rituals, and grief processes.
Prerequisite: PSY 101 or SOC 101.
Dual-listed: PSY 506

PSY 408 Forensic Psychology 3 Credit hours

Forensic Psychology is any application of psychological knowledge to issues within the legal system. Topics include psychological profiling, psychological autopsies, lie detection, insanity and competency, violence, eyewitness identification, and law enforcement selection and training.
Dual-listed: PSY 508

PSY 410 Psychology of Small Group Behavior 3 Credit hours

This course provides a critical overview of theory and research on small groups. Cohesiveness, conformity, power, inter-group and intra-group conflict and cooperation are studied. Students will observe and participate in small group processes.
Prerequisite: PSY 101 or SOC 101.
Dual-listed: PSY 510

PSY 415 Human Sexuality 3 Credit hours

Human sexuality is examined from a multicultural perspective to include the historical, biological, psychological, cultural, and sociological viewpoints.
Dual-listed: PSY 515

PSY 430 Positive Psychology 3 Credit hours

The study of positive human functioning, including human strengths, assets, and resilience that maximize mental health.

Prerequisite: PSY 101

Dual-listed: PSY 530

PSY 435 Industrial/Organizational Psychology 3 Credit hours

A study of the application of the methods, facts, and principles of psychology to people at work. Research in Industrial-Organizational Psychology includes an examination of job analysis and evaluation, selection, training and performance appraisal of personnel, the structure and context of organizations, organizational culture, organizational change, career development, motivation, job satisfaction, and team dynamics from a psychological perspective. Students will also examine the impact of factors such as increasing government influence, technology improvements, shifting economic conditions and the changing nature of the workforce on industry. This area of psychology will be shown to have a direct impact on business, industry, labor, public, academic, community and health organizations.

Dual-listed: PSY 535

PSY 440 Psychopharmacology 3 Credit hours

A study of the physical changes and psychological effects that drugs have on the brain and nervous system. Topics will include the basic organization and function of the brain and nervous systems and a history of the use of drugs. The course will emphasize how the functions of the brain are altered by the use of drugs, from both illegal and prescription uses. An overview of the mental disorders for which drugs are prescribed, and the mental disorders that result from drug use is included.

Dual-listed: PSY 540

PSY 444 Topics in Psychology 3 Credit hours

Current or special issues in Psychology will be examined. The course offers students the opportunity to discuss relevant issues facing society.

Dual-listed: PSY 544

Notes: This course may be repeated, by advisement, with different topics.

PSY 450 Abnormal Psychology 3 Credit hours

Approaches to the assessment and treatment of emotional, social, psychotic, organic, and development disorders are examined.

Dual-listed: PSY 550

PSY 460 Physiological Psychology 3 Credit hours

Course work will focus on the relationship between the nervous system and behavior. Theories of interactions between the brain and behavior, the research methods and results of such studies, and the implications of the findings will be examined.

Dual-listed: PSY 560

PSY 470 History and Systems 3 Credit hours
A study of the ideas and contributions of individuals who influenced the development of psychology as a science. Topics include important theories and schools of thought on which psychology is based.
Dual-listed: PSY 570

PSY 490 Assessment Seminar 0 Credit hours
For the purpose of psychology assessment, students will complete a comprehensive psychology exam to measure knowledge of the field of psychology. Students will also complete a program evaluation.
Prerequisite: PSY 405 and 100 credit hours.
Notes: Graded S/NC. This class will meet every semester on the Friday preceding Finals Week. Graduation Requirement.

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SOC 101 Introduction to Sociology 3 Credit hours
An introduction to the study of human social behavior, society and its values, social organization, institutions, and processes. Some topics included are socialization, minorities, deviance, gender roles, the family, social stratification, and social change.

SOC 110 Introduction to Anthropology 3 Credit hours
This course introduces the student to the four major subdivisions of anthropology: physical anthropology, archeology, linguistic anthropology, and cultural anthropology. It lays the foundations for an understanding of human biological and cultural diversity.

SOC 220 Social Problems 3 Credit hours
Study and discussion of selected social issues including racism, ageism, sexism, poverty, welfare, and environment.

SOC 245 Race and Ethnic Relations 3 Credit hours
Study of the history, place, and role of ethnic and racial groups in American society. The course examines the social construction and consequences of majority-minority group relations to understand the differences and similarities in the adjustment processes of race and ethnic groups in American society.

SOC 305 Sociology of Deviance 3 Credit hours
Theory-guided study and discussion of selected topics regarding areas of deviance including alcoholism, drug abuse, mental illness, crime, and domestic violence.
Prerequisite: SOC 101 or SOC 220; or instructor approval.

SOC 320 Social Welfare 3 Credit hours
Designed for those interested in understanding social welfare systems, public assistance processes and policies, social services programs, client/patron relations, current issues associated with welfare programming, and the influences of politics of social welfare.
Prerequisite: SOC 101 or SOC 220; or instructor approval.

SOC 355 Health and Populations 3 Credit hours

A study of the major qualitative and quantitative problems and trends in health and populations and consideration of those social factors that influence their composition. This course addresses the interrelationships between demographic variables and health and how these apply to a variety of disciplines.
Prerequisite: SOC 101 or SOC 220; or instructor approval.

SOC 408 Sociology of Mental Health 3 Credit hours

This course examines numerous topics, viewpoints, and findings related to mental illness and mental health from a multi-disciplinary perspective.
Prerequisite: SOC 101 or SOC 220; or instructor approval.

SOC 415 The Family 3 Credit hours

Study of the basic social unit: socialization processes, love, marriage, parental roles, conflict, and divorce, within a historical and cultural perspective.
Prerequisite: SOC 101 or SOC 220; or instructor approval.
Dual-listed: SOC 515

SOC 420 Environmental Sociology 3 Credit hours

This course will analyze the relationship between the logic of social system development and resource development. The reciprocal relationship between human society and ecosystems will be examined as a wide range of environmental problems are addressed.
Prerequisite: SOC 101 or SOC 220; or instructor approval.

SOC 444 Topics in Sociology 3 Credit hours

Current or special issues in Sociology will be examined. The course offers students the opportunity to discuss relevant issues facing society. Topics may include community, social change, and the sociology of women.
Prerequisite: SOC 101 or SOC 220; or instructor approval.
Notes: This course may be repeated, by advisement, with different topics.

SOC 460 Social Inequalities 3 Credit hours

The course explores the development and maintenance of systems social stratification historically and in contemporary global society. It focuses on the effects of social class inequality and relationship to social change. In doing so, it also includes the intersection of inequalities based on race/ethnicity, gender, and age.
Prerequisite: SOC 101 or SOC 220; or instructor approval.
Dual-listed: SOC 560

SOC 480 Social Theory 3 Credit hours

A survey of the major theorists and modern theoretical perspectives in sociology.
Prerequisite: SOC 101 or SOC 220; or instructor approval.
Dual-listed: SOC 580

SOC 490 Assessment Seminar 0 Credit hours

For the purpose of sociology assessment, students will complete a comprehensive sociology exam to measure knowledge gained in the field of sociology. Students will also complete a survey assessing their viewpoints on their experiences in the major and submit their senior portfolios during the examination period.
Prerequisite: 100 credit hours
Notes: Graded S/NC. This class will meet every semester on the Friday preceding Finals Week. Graduation Requirement.

SOC 497 Internship 1-3 Credit hours

Placement in a professional capacity in an agency for a supervised period. Fifty intern hours translates into 1 credit hour. Periodic meetings with Sociology faculty, a journal, and a final essay are required.
Prerequisites: Instructor approval and junior standing or above.
Notes: This internship option is only available for Sociology majors.

SPA 110 Elementary Spanish I 3 Credit hours

Basic grammar, reading, writing, and conversation, with attention to cultural differences and similarities between Hispanic and North American cultures.
Notes: If students have completed more than 2 years of high school Spanish, they are advised to register in SPA 120 or to consult with a Spanish instructor before registering in SPA 110.

SPA 119 Spanish for Criminal Justice 3 Credit hours

This course teaches basic conversational Spanish to develop communication skills for criminal justice careers. Discipline-specific vocabulary and culture are emphasized.

SPA 120 Elementary Spanish II 3 Credit hours

Emphasis on oral and written skills, as well as reading and culture.
Prerequisite: SPA 110 or instructor approval.

SPA 210 Intermediate Spanish I 3 Credit hours

Grammar review and advanced presentation of the structure of the language, stressing aural understanding, conversation skills, reading and writing.
Prerequisite: One year college Spanish or equivalent knowledge.

SPA 220 Intermediate Spanish II 3 Credit hours

Continuation of SPA 210.
Prerequisite: SPA 210 or equivalent knowledge.

SPA 301 Spanish Civilization 3 Credit hours

A historical, political, philosophical, geographical, and economic study of Spain.

SPA 302 Spanish-American Civilization 3 Credit hours

A historical, political, philosophical, geographical, and economic study of Spanish America.

SPA 303 Hispanics in the United States 3 Credit hours
This course is a survey of various aspects of the Hispanic experience in the United States today. Students will focus on three major Hispanic groups: Mexican Americans, Cuban Americans, and Puerto Ricans.

SPA 304 Spanish for Business 3 Credit hours
A course designed to improve students' knowledge of business concepts and documents, Spanish business terminology and correspondence.
Prerequisite: SPA 210 or instructor approval.

SPA 305 Advanced Grammar and Composition 3 Credit hours
A course designed to introduce advanced study of grammatical structure and a practical application of grammar in composition.
Prerequisites: SPA 210 and SPA 220; or instructor approval.

SPA 306 Spanish for Health Professionals 3 Credit hours
Some knowledge of Spanish helpful. A course designed to teach vocabulary and concepts for communicating with Spanish-speaking clientele in a variety of healthcare settings. Useful for those studying to become doctors, dentists, pharmacists, physical therapists, or other health professionals.

SPA 307 Conversation and Composition 3 Credit hours
Practice in speaking, understanding, and writing Spanish. Activities are designed to develop oral and written skills necessary for upper-level coursework.
Prerequisite: SPA 210 or equivalent.

SPA 315 Spanish Translation 3 Credit hours
A general study of translation in Spanish with intensive translating practice in several professional areas.

SPA 316 Introduction to Hispanic Literature 3 Credit hours
A survey of literary movements in Spanish and Latin American literature: readings in drama, fiction, and poetry; grammar review.

SPA 317 Spanish Literature 3 Credit hours
A survey of Spanish Literature from medieval times to the present.

SPA 333 Survey of Spanish American Literature 3 Credit hours
A survey of Spanish-American literature from colonial times to the present.

SPA 335 Special Topics in Spanish Literature 3 Credit hours
Detailed study of a particular aspect of an author, movement, genre, historical, period, or topic of general relevance in Spanish literature.

SPA 337 Special Topics in Spanish American Literature 3 Credit hours
Detailed study of a particular aspect of an author, genre, historical period, or topic of general relevance in Spanish American literature.

SPA 340 Special Topics 2-3 Credit hours
Detailed study of a particular aspect of the language, an author, movement, genre, historical period, or topic of general relevance in the Spanish cultures.
Notes: This course may be repeated once at each level covering a different topic with instructor approval.

SPA 440 Special Topics 2-3 Credit hours
Detailed study of a particular aspect of the language, an author, movement, genre, historical period, or topic of general relevance in the Spanish cultures.
Dual-listed: SPA 540
Notes: This course may be repeated once at each level covering a different topic with instructor approval.

SPD 160 Introduction to Special Education 3 Credit hours
The process of special education including an introduction to the laws, services and categories will be presented in this course. Philosophy, characteristics of exceptional learners and an overview of educational practices will be discussed.
Notes: Available to all Education majors

SPD 252 Instructional Methods for Special Education K-6 3 Credit hours
This course will focus on differentiated instruction unique to elementary aged exceptional learners. An emphasis is placed on the methodology of facilitating the student's learning in Least Restrictive Environments and transition to secondary education. An introduction to assistive technology and mastery of learning strategies are included.
Prerequisite: SPD 160

SPD 254 Instructional Methods for Special Education 7-12 3 Credit hours
This course will focus on differentiated instruction unique to adolescents and young adult aged exceptional learners. An emphasis is placed on the methodology of facilitating the student's learning in Least Restrictive Environments and transition to post-secondary goals. An introduction to assistive technology and mastery of learning strategies are included.
Prerequisite: SPD 160

SPD 255 Functional Curriculum and Instructional Methods 3 Credit hours
This course will focus on functional curriculum design, program development, classroom organization, instructional strategies, and materials for teaching a functional curriculum to K-12 learners with low incidence disabilities. Self-determination, self-advocacy, and transition to independent living will be topics addressed in this course. A focus on the use of assistive technology to promote functional skill instruction will be addressed.
Prerequisites: SPD 160 and SPD 252 or SPD 254

SPD 260 Characteristics: Birth through Age 8 1 Credit hour
Definitions, characteristics, legal and educational provisions for infants and young children with exceptionalities.

SPD 302 Inclusion and Co-teaching in General Education 3 Credit hours
The course will explore applications of methods and strategies within elementary and secondary settings to provide equitable learning opportunities within least restrictive learning environments for all students. An emphasis is placed on communication and collaboration among professionals and families to ensure the needs of all students are met.
Prerequisite: Acceptance to Educator Preparation.

SPD 332 Special Education Law 3 Credit hours
Historical implications of special education law within the present and future educational settings.
Prerequisites: Acceptance to Educator Preparation, SPD 160, SPD 252 or SPD 254, and SPD 255.

SPD 352 Assessment, Evaluation and the IEP K-12 3 Credit hours
Multidisciplinary Team process and construction of the Individual Education Plan will be explored with an emphasis on culturally and linguistically diverse best practices.
Prerequisites: Acceptance to Educator Preparation, SPD 160, SPD 252 or SPD 254, and SPD 255.

SPD 435 Classroom Management through Social Emotional Learning K-6 3 Credit hours
Understanding social and emotional development of all learners while considering Multi-Tiered Systems of Support (MTSS). Emphasis on implications for the inclusive learning environment; promotion of social competence; awareness of prosocial skills; and effective utilization of responsive relationships. Completing the Functional Behavior Assessment (FBA) process and developing the Behavior Intervention Plan (BIP) product to meet the needs of elementary learners.
Prerequisite: Acceptance to Educator Preparation.

SPD 436 Classroom Management through Social Emotional Learning 7-12 3 Credit hours
Understanding social and emotional development of all learners while considering Multi-Tiered Systems of Support (MTSS). Emphasis on implications for the inclusive learning environment, promotion of social competence, awareness of prosocial skills, and effective utilization of responsive relationships. Completing the Functional Behavior Assessment (FBA) process and developing the Behavior Intervention Plan (BIP) product to meet the needs of secondary learners.
Prerequisite: Acceptance to Educator Preparation.

SPD 452 Consultation and Collaboration 3 Credit hours
Effective techniques of working with parents, educators, paraprofessionals, related service providers, agencies and other professional personnel.
Prerequisite: Acceptance to Educator Preparation.
Notes: Available to all Education majors.

SPD 458 Clinical Practice and Seminar for Special Education K-6 6 Credit hours
This is a semester course of full day learning experiences in an elementary school under the supervision of a cooperating K-6 special educator and a supervisor from the School of Education and Behavioral Sciences.
Prerequisite: Admission to Clinical Practice.
Notes: Graded S/NC. On-campus seminars will be offered periodically throughout the semester.

SPD 460 Clinical Practice and Seminar for Special Education 7-12 6 Credit hours
This is a semester course of full day learning experiences in a secondary school under the supervision of a cooperating 7-12 special educator and a supervisor from the School of Education and Behavioral Sciences.
Prerequisite: Admission to Clinical Practice.
Notes: Graded S/NC. On-campus seminars will be offered periodically throughout the semester.

SPD 461 Practicum in Special Education 3 Credit hours
Practical application of knowledge, skills, and dispositions acquired through prior coursework. Enable learners to demonstrate the state and national performance and practice-based standards through 100 supervised hours of field experience.
Prerequisites: Acceptance to Educator Preparation, SPD 160, SPD 252 or SPD 254, and SPD 255.
Dual-listed: SPD 561

SSC 300 Social Sciences Research Methods 3 Credit hours
This course introduces students to basic quantitative and qualitative research methods. The course covers methodological concepts, the steps in the research process, measurement, research design, elementary data analysis, and report writing. Students are introduced to analysis of research reported in professional literature. This class includes computer applications in research methods.
Prerequisite: 9 hours of course work in the social sciences.

SSC 310 Research and Statistical Analysis 3 Credit hours
This course combines the study of basic research methods in the social sciences with an exploration of key statistical procedures used in social science data analysis. This course covers methodological concepts, the steps in the research process, measurement, research design, data analysis and report writing. Students are introduced to analysis of research reported in professional literature. This course includes computer applications for statistical analysis.
Prerequisites: 9 hours of course work in the social sciences and 3 hours of mathematics or BUS 122.

SSC 319 Statistics for the Social Sciences 3 Credit hours
Introduction to the statistical measures commonly used in Social Sciences research and their application to research problems in the various Social Sciences disciplines. Includes use of computer statistical packages for Social Sciences.
Prerequisite: 3 hours of mathematics.

SSC 419 Advanced Social Sciences Research Methods 3 Credit hours
The focus is on applied qualitative and quantitative research procedures for evaluation, analysis, and presentation of Social Sciences data. Primary and secondary data analysis is utilized. Class may include: grant writing and evaluation, preparing survey/assessment instruments, focus group research, and field research projects. Data collection, data analysis, and report writing are part of the curriculum. The course includes extensive computer applications.
Prerequisites: Junior standing and SSC 300.

SSC 444 Topics in Social Sciences 3 Credit hours
Current social issues will be examined in a multi-disciplinary approach in a seminar setting.
Notes: Topics will vary each semester. This course may be repeated with different topics.

SSC 485 Social Sciences Senior Seminar 1 Credit hour

Students will complete a written project on a topic chosen with their advisor. This project is intended to integrate all of the disciplines and approaches taken in the major, demonstrating the interrelatedness of the Social Sciences. The advisor will meet with various faculty members to facilitate discussion of the integration of ideas through the student's course work.

Prerequisites: Senior standing and academic advisor approval.

SSC 490 Social Sciences Research Seminar 3 Credit hours

A study of the techniques of historical and Social Sciences research and writing. Students will complete a major research project on a topic of their choice and present the results to the seminar.

Notes: Students in Honors Colloquium 499 are exempt from SSC 490 when required in a major endorsement.

Graduate Courses

Special Courses

Special courses may apply to each department.

513 International Study 1-9 Credit hours

Earning of credits in this course will be subject to the completion of a scholarly project showing educational benefit or growth of the learner in his/her chosen degree program; project to be pre-approved by the advisor.
Prerequisite: Department chair and dean approval.

565 Self-Paced Workshop 0.5-3 Credit hours

These courses are intended for certificate renewal or personal enrichment and are not applicable to a degree program.
Notes: This course may be repeated with different topics.

568 Workshop 0.5-3 Credit hours

Notes: Only 3 hours of 568 workshop credit may be included in a Master's degree program. This course may be repeated with different topics.

591 Special Project 1-3 Credit hours

Study of a topic, or a presentation in a special area of interest.
Prerequisite: Instructor and department chair approval.
Class fee: Some disciplines may require a class fee.
Notes: A maximum of 12 Special Project credits may apply toward a major or endorsement as determined by appropriate department chairs. Title of the project will be entered on the permanent record.

596, 696 Special Course 0.5-12 Credit hours

Special topical or regional studies to be offered when justified by student demand and the presence of qualified faculty.
Prerequisite: Department chair approval.
Notes: This course may be repeated with different topics. The total number of times a 596 or 696 Special Course may be offered is four terms, including summers.

597, 697 Internship 1-12 Credit hours

An actual work experience related to the student's field of study. Internships require a minimum of 45-50 work hours for each 1 hour of credit. See the appropriate academic department for additional requirements.
Prerequisite: Department chair approval.

695 Independent Study 1-6 Credit hours

Advanced readings and research in selected problem areas to meet the special needs of the graduate student.
Prerequisite: Instructor, department chair, and dean approval.
Notes: A maximum of 6 credits may be applied to a graduate degree program.

699 Thesis 0-6 Credit hours
Prerequisite: Instructor, department chair, and dean approval.

B

BIO 500 Advanced Zoology 3 Credit hours
A laboratory and field course oriented on the morphology, taxonomy, and ecology of selected animal groups such as insects, fish, reptiles and amphibians, mammals, or other groups. An additional project will be given that focuses on the application of the course materials to the secondary education classroom.
Class fee: $30
Dual-listed: BIO 400
Notes: 3 hours lecture and lab combined. Title will vary with offering.

BIO 505 Advanced Plant Biology 3 Credit hours
Classification, structure, and/or physiology of plants and plant- like organisms. An additional project will be given that focuses on the application of the course materials to the secondary education classroom.
Class fee: $30
Dual-listed: BIO 405
Notes: 3 hours lecture and lab combined. Title will vary with offering.

BIO 506 Great Plains Flora 3 Credit hours
The identification and characterization of dominant vascular plant species in the Great Plains region. Plant morphological terminology, family identification characteristics, dichotomous keys, plant collection techniques, and an introduction to plant systematics will be used for the purpose of classifying plants. The ability to identify plants is critical for Wildlife Biology, Forestry, Range Management, Agronomy, Horticulture, and other natural resource fields. An additional project will be given that focuses on the application of the course materials to the secondary education classroom.
Class fee: $30
Dual-listed: BIO 406
Notes: 3 hours lecture and lab combined

BIO 530 Parasitology 3 Credit hours
Study of animal parasites and the effects they have on their hosts. Studies in this course center on parasites of humans, other vertebrates, and invertebrates. Taxonomy, morphology, development, physiology, identification, epidemiology, and pathogenesis are emphasized. An understanding of human anatomy and histology would be beneficial to students taking this course. Parasitology is highly recommended for students interested in health-related, biomedical, and biological careers. An additional project will be given that focuses on the application of the course materials to the secondary education classroom.
Class fee: $30
Dual-listed: BIO 430
Notes: 3 hours lecture and lab combined

BIO 534 Advanced Cellular Biology 3 Credit hours

An advanced study of the structure and function of the eukaryotic cell. Topics will include the basics of modern cell biology including signal transduction, cell cycle regulation, and gene expression. An additional project will be given that focuses on the application of the course materials to the secondary education classroom.

Class fee: $30

Dual-listed: BIO 434

Notes: 4 hours lecture and lab combined

BIO 551 Advanced Ecology 3 Credit hours

The study of interrelationships of organisms to their environment in terrestrial and freshwater habitats. Use of field collecting methods by group participation to analyze and compare ecological systems. Simulations and published data will be used to study effects of local conditions on ecosystems. An additional project will be given that focuses on the application of the course materials to the secondary education classroom.

Class fee: $30

Dual-listed: BIO 451

Notes: 3 hours lecture and lab combined. Title will vary with offering.

BIO 586 Immunology 3 Credit hours

The topics for this course will include the biological, physical and chemical properties of antigens and antibodies, host-antigen interaction, humoral and cellular response mechanisms, serologic reactions, mechanisms of antibody formation, hypersensitivity and the role of the immune response in cancer and organ transplants. An additional project will be given that focuses on the application of the course materials to the secondary education classroom.

Dual-listed: BIO 486

Notes: 3 hours lecture and lab combined

BUS 531 Accounting Analytics 3 Credit hours

Exploration of techniques applied to accounting data and big data to provide insights regarding key performance indicators, financial statement forecasting, business valuation, earnings management detection, and fraud detection.

Dual-listed: BUS 431

BUS 537 Fraud Examination and Forensic Accounting 3 Credit hours

Focuses on developing understanding of the types of fraud and why people commit fraud, preventing fraud, detecting fraud, conducting a fraud investigation, and the forensic accounting aspects of the litigation and recovery process.

Dual-listed: BUS 437

BUS 544 Governmental and Nonprofit Accounting and Auditing 3 Credit hours

A study of the accounting and auditing standards utilized for government and nonprofit organizations. Coverage includes state and local government units, nonprofit organizations, colleges and universities, health care organizations, voluntary health and welfare organizations, and governmental auditing standards.

Dual-listed: BUS 444

BUS 546 Federal Tax Accounting II 3 Credit hours
General overview of income tax laws as they relate to partnerships, corporations, fiduciaries, estates and trusts, gifts, and tax research and planning.
Dual-listed: BUS 446

BUS 552 Human Resource Development 3 Credit hours
This course focuses on developing and implementing programs and processes directed toward organizational performance improvement, learning, and change; employee training and development; and addressing the unique needs of a diverse workforce. Students will utilize tools for assessment, analysis and evaluation for the purpose of identifying and establishing priorities and measuring the results of human resource development activities.
Dual-listed: BUS 452

BUS 553 Workforce Planning and Employment 3 Credit hours
This course focuses on the development and implementation of recruitment, selection, on boarding, succession planning, retention, and organizational exit programs necessary to achieve organizational objectives. Students will apply techniques such as Markov analysis to assess labor (internal and external) supply and demand; and metrics to evaluate recruitment sources and retention strategies, such as return on investment, cost per hire, and time to fill. Further, students will incorporate technology through the application of Human Resource Information Systems (HRIS).
Dual-listed: BUS 453

BUS 554 Total Compensation 3 Credit hours
This course focuses on the design and management of total compensation programs. The course will examine the internal consistency and external competitiveness of wage structures and how organizations assign pay rates to various jobs. Students will apply procedures to conduct job evaluation, and tie pay plans to employee performance and skill development. Further, they will assess and recommend benefits plans, such as healthcare insurance, pensions, and legally-mandated benefits; and other incentives, such as tuition reimbursement, flexible schedules.
Dual-listed: BUS 454

BUS 555 Employment Law and Labor Relations 3 Credit hours
This course focuses on the workplace relationship between employer and employee. Students will explore activities that maintain relationships and working conditions that balance employer and employee needs and rights. Further, students will identify plans and policies which provide a safe and secure working environment and protect the organization from liability.
Dual-listed: BUS 455

BUS 556 Strategic Human Resource Management 3 Credit hours

This course examines the role of human resource management practitioners and leaders as a strategic partner to business unit leaders. Students will be able to demonstrate how strategic human resource management influences, contributes to and supports the organization's mission, values, and strategic objectives. Further, students will apply tools, such as a human resource management scorecard, and processes to formulate policies, conduct cost/benefit analysis for human resource management interventions, and measure human resource management's contributions to organizational effectiveness.

Class fee: $35

Dual-listed: BUS 456

BUS 585 Introduction to Predictive Analytics 3 Credit hours

This course introduces an analytical toolset to address modern, data-intensive business problems. The course provides an overview of the key concepts, applications, processes, and techniques relevant to business analytics. The course is intended to provide tools for business applications using data, databases, and reports from analytic models. It covers the basic fundamentals of data analysis and inferential statistics as well as predictive modeling techniques, including linear regression, logistic regression, and decision trees.

Dual-listed: BUS 485

BUS 586 Seminar in Supply Chain Management 3 Credit hours

The focus of this course is on the concepts and theories of supply Chain Management through the application in real world settings. Students will emulate decision making through simulated applications and will work with local/regional organizations to make improvements or explore opportunities enhancing supply chain applications.

Dual-listed: BUS 486

BUS 608 Financial Administration 3 Credit hours

A study of financial decision making in the firm; development of a decision-making framework for determining the most efficient allocation of resources within the firm; emphasis placed on the analysis of capital investment projects, long-term sources of funds and short-term financing problems.

Prerequisite: CBK accounting, CBK business finance.

BUS 610 Managing Organizational Change 3 Credit hours

This course integrates concepts from organizational development, systems dynamics, and management to oversee organizational change. Included will be concepts from demographic, technology, diversity, political and social arenas.

BUS 620 Managerial Communications 3 Credit hours

Application of principles of communication to the managerial setting. The course investigates the influence of organizational climate, manager's style and use of motivation on the communication process. Communication strategies appropriate to business reports, speeches, interviews, and conferences are explored along with emphasis on managerial problems with employee communication and conflict management. The course includes a focus on methods of analyzing and resolving communication problems.

BUS 625 Decision Science 3 Credit hours

Underlying structure of quantitative business decisions and their solution. The course emphasizes problem recognition, formulation, and analysis, using software to perform necessary calculations. Topics may include linear programming, goal programming, simulation, queuing, and other MS/OR techniques.

Prerequisite: CBK statistics

BUS 627 Ethics in Leadership 3 Credit hours

This course will examine classic cases of business and industry. As part of thorough analysis, the course considers firm actions within an ethical framework. The class will also discuss what we can learn about the traits of ethical leadership. The development and implementation of an ethical code and the need for continual ethical training is explored. As a backdrop to this discussion, the student will complete an assessment of his/her ethical character traits.

BUS 628 Dispute Resolution Management 3 Credit hours

This course is designed to give students an overview of alternative dispute resolution. Students will explore negotiations, a process that helps individuals and organizations settle disputes. Students will examine their personal style of management and their unique approach to conflict. This course uses case studies, simulations and role-playing to explore concepts of interests, collaboration, mediation, and nonverbal communications. Students will grow in their ability to anticipate the needs of their audience.

BUS 629 Government and Industry 3 Credit hours

This is a course that explores the nature and consequences of the interaction between business and government. The course examines the way in which government regulates the marketplace and influences the way businesses make decisions. Specifically, the course examines how the Constitution permits the government to regulate business and how it does so in the areas of business formation, finance, marketing, the development of competitive strategies, accounting, and management of employees and resources in both the domestic and international environments. The course also looks at ethical decision-making and the social responsibilities of business entities.

BUS 632 Information Systems Technology and Management 3 Credit hours

A course that addresses the operational, tactical, and strategic considerations associated with information systems within organization subunits, within an organization, and between organizations. Emphasis is placed on the relationship between organizations and their information systems.

Cross-listed: CIS 632

BUS 650 Managerial Economics 3 Credit hours

Application of microeconomic theories in private and public managerial decision-making including an analysis of market structure and its effect on price and output determination. The course incorporates a global perspective and estimation of econometric models for business, government, and non-profit organizations.

Prerequisite: CBK Economics

BUS 651 International Business 3 Credit hours

The course addresses the following topics: international business trends; the cultural, political, legal, financial, and economic environment of international business; managing business functions in an international setting; the impacts governments can have on international business.

BUS 652 Management Accounting 3 Credit hours

An examination of management uses of accounting data with particular reference to decision-oriented cost classification, methods of cost estimation, data appropriate for decision models, standards and controls, and special problems.
Prerequisite: CBK accounting

BUS 654 Human Resource Risk Management 3 Credit hours

This course examines several aspects of management human resource (people) risk in an organization. Students will learn about the importance of an organization's need to look at risk, as it applies to human resource activities, as well as how to incorporate risk management policies into organizational planning and decision making. Topics include workplace health and safety, security, crisis management, legal compliance, employment and discrimination issues.

BUS 656 Marketing Administration 3 Credit hours

A study of concepts useful in understanding marketing systems and buyer behavior and developing skills in making marketing decisions. Topics include marketing strategy, decision models, market segmentation, promotional strategy, and product management.

BUS 660 Coaching Business Champions 3 Credit hours

This course examines organizational coaching as an intervention to improving individual and organizational performance. Students are introduced to the practice of coaching and coaching conversation models, as well as coaching-related skills. Ethical dilemmas that can arise in coaching individuals will also be discussed.

BUS 665 Leadership Seminar 3 Credit hours

This course provides students with context and background for the consideration of leadership from multiple perspectives. The course explores leadership theory and practice. Special emphasis is placed on the translation of theory into practice. The evolution of leadership thought, situational leadership, and the future of leadership are also explored.

BUS 687 Project Administration 3 Credit hours

This course provides an overview of the management of projects building a foundation of basic project management terminology, concepts, and skills, and then expands on that foundation to explore project administration. Emphasis is placed on both the technical aspects of the project management process and the management of the human behavioral/situational aspects of projects. Operational, tactical, and strategic implications of project management approaches are considered. Students are also provided with an understanding of the many issues in the organizational environment surrounding project management, and approaches to dealing with these issues. The course also provides coverage of a variety of topics related specifically to project administration, including project selection, project portfolio management, project stakeholder management, internationalization project management, project audit, project evaluation, project closure, emerging methods for increasing project agility, project workforce development, managing international projects, and similar topics.
Cross-listed: CIS 687

BUS 690 Seminar in Organizational Behavior 3 Credit hours

Examination and analysis of the organization as a social system and the impact of its various components on work attitudes and behavior; topics include the development of organizational structures, organizational effectiveness, decision making and policy formulation, leadership, and change.

BUS 692 Administrative Policy 3 Credit hours

Analysis of policy formulation and implementation from a company-wide standpoint; emphasis on integration of knowledge and approaches across functional areas; both endogenous and exogenous factors that affect company policies; and the role of the firm in society.
Prerequisites: All CBK courses and/or foundation courses and satisfactory completion of 24 credit hours in the MBA program or approval of MBA Director.

C

CED 517 Principles of Career Education 3 Credit hours

This course will provide students with the understanding of the five relationships critical for planning and implementing a career education program; politics and government, academics and total school offerings, student achievement and life application, business and industry and the individual's role as a professional educator. Career Education reflects the historical, evolutionary, and technological changes in career education, the impact of legislation, work and demand for new knowledge and skills in a global economy.
Dual-listed: CED 417

CED 523 Coordinating Techniques 3 Credit hours

The study of cooperative programs in career and technical education with emphasis in the areas of business, family and consumer sciences, and skilled and technical sciences. Comparative philosophies of career and technical (vocational) and general education and their relation in the comprehensive school program. Stresses the organization of the cooperative program, supervision techniques, functions of the coordinator, selection and placement of students, and the evaluation of training situations and vocational competencies.
Dual-listed: CED 423

CED 650 Curriculum Development in Career/Technical Education (CTE) 3 Credit hours
Curriculum development for educators in Career and Technical Education programs is covered in this course. Course activities focus on current issues, trends, educator resources, and curriculum development in Career and Technical Education. Students will utilize Career Education guidelines and resources from the Nebraska Department of Education and Nebraska Career Connections to complete essays, projects, curriculum development, and an electronic portfolio to deliver instruction based on the Nebraska Career Education Model of career awareness, career exploration, and work-based learning experiences.

CED 697 Career and Technical Education Internship 9-12 Credit hours
A work experience program with not less than nine 40-hour weeks, or 360 clock hours, to qualify students for teaching in career and technical education programs. The internship includes a wage-earning experience in an approved manufacturing, construction, processing, or service industry. Ten hours of seminar are required to relate the work experience with vocational certification policies, labor relations, vocational guidance, and comparisons of school and industrial methods. The coordinator and industrial personnel supervise the internship. Application must be made one semester in advance and approved by the coordinator for vocational education/career and technical education.

CHE 500 Environmental Chemistry 3 Credit hours
A study of natural chemical processes in the biosphere. Special emphasis on topics in industrial effluents, air and water pollution, and the safe disposal, treatment, and storage of waste.

CHE 610 Modern Inorganic Chemistry 3 Credit hours
Selected inorganic topics of special interest to secondary science teachers. Emphasis will be placed on the development of new laboratory and demonstration material.

CHE 616 Organic and Biological Chemistry for Teachers 3 Credit hours
A review of Organic Chemistry and functional groups important in biological molecules. Selected topics dealing with the role and suitability of biomolecules as they relate to living processes. Emphasis will be placed on current developments in both Biochemistry and Biotechnology.

CHE 650 Computer Applications in Chemistry and Science Education 3 Credit hours
The use of computers for classroom instruction activities including data collection, analysis, and presentation. Interfacing computers with simple laboratory apparatus including spectrophotometers, pH meters, balances, and other common laboratory equipment. The use of computer networks for transferring data between students, teachers and scientists at remote locations as well as using the Internet for locating scientific information will be presented.

CIS 530 Management Information Systems 3 Credit hours
Emphasis is on providing breadth of knowledge in the organizational concepts and considerations surrounding the use of information systems technologies such as computer systems and communications systems. Topics include role of information systems in managerial functions, general systems theory, design and implementation of Management Information Systems (MIS), decision support systems, expert systems, and artificial intelligence.
Dual-listed: CIS 430

CIS 554 Technology Platforms: Hardware and Operating Systems 3 Credit hours

This course provides students with a balance of theory and practice in the areas of selection, installation, management, maintenance, troubleshooting, design, and evaluation of operating systems and computer hardware. Proprietary and open-source systems are considered. Technical research and the use of various forms of documentation will be addressed. The role of ergonomics in hardware selection will be explored. Instructional strategies for teaching hardware and operating systems terminology and concepts will also be presented.
Dual-listed: CIS 454

CIS 557 Networking and Technology Management 3 Credit hours

This course provides students with a basic knowledge of computer networks, including network concepts and network operating systems. The areas of network selection, installation, management, maintenance, troubleshooting, design, and evaluation are addressed. Instructional strategies for teaching networking and managing the networking instructional environment will also be presented. Special emphasis is placed on issues of security, scalability, and design for maintainability. This course also addressed general methods, skills, and strategies essential for planning and managing authentic and meaningful information technology learning experiences for students. Strategies for dealing with diverse populations, wide ranges of computer literacy levels, and a variety of learning styles are considered. The topics of assessment, evaluation, and appropriate feedback techniques are explored. Additionally the course provides coverage of the general management skills, techniques, and strategies for planning, designing, implementing, evaluating, and managing the learning environment and the various technology components, technical resources, and tools that are a part of it. The basic practice of database design, development, and management is presented and its role in technology management is emphasized. Students will complete a significant technology planning or technology management project in this course. That project will be supported by a database application.
Dual-listed: CIS 457

CIS 575 Topics in Computer Information Systems 3 Credit hours

Study of topics such as simulation, expert systems, and other areas in the forefront of current CIS practices. Designated as a “hands-on”, project-oriented course. The student will learn about the techniques, tools, and practices of contemporary information systems domains.
Dual-listed: CIS 475
Notes: Topic and title will vary. This course may be repeated if topic and title are different.

CIS 577 Project Management 3 Credit hours

This course provides an introduction to the management of projects. Emphasis is placed on both the technical aspects of the project management process and the management of the human behavioral/situational aspects of projects. The nature of projects is explored. The techniques and tools of project management are introduced. Operational, tactical, and strategic implications of project management approaches are considered. The use of current project management software is incorporated. Students are also provided with an understanding of the many environmental and behavioral issues surrounding project management, and approaches to dealing with these issues.
Dual-listed: CIS 477

CIS 580 Seminar in Computer Information Systems 3 Credit hours

A capstone course with emphasis on the management of information systems. Emphasis is placed on operational, tactical, and strategic issues related to information systems management. Consideration is given to traditional and emerging information systems issues and topics. Students will work with theoretical and practitioner literature from the information systems field in addressing several cases and/or projects and in preparing and delivering presentations.
Dual-listed: CIS 480

CIS 632 Information Systems Technology and Management 3 Credit hours

A course that addresses the operational, tactical, and strategic considerations associated with information systems within organization subunits, within an organization, and between organizations. Emphasis is placed on the relationship between organizations and their information systems.
Cross-listed: BUS 632

CIS 687 Project Administration 3 Credit hours

This course provides an overview of the management of projects building a foundation of basic project management terminology, concepts, and skills, and then expands on that foundation to explore project administration. Emphasis is placed on both the technical aspects of the project management process and the management of the human behavioral/situational aspects of projects. Operational, tactical, and strategic implications of project management approaches are considered. Students are also provided with an understanding of the many issues in the organizational environment surrounding project management, and approaches to dealing with these issues. The course also provides coverage of a variety of topics related specifically to project administration, including project selection, project portfolio management, project stakeholder management, internationalization project management, project audit, project evaluation, project closure, emerging methods for increasing project agility, project workforce development, managing international projects, and similar topics.
Cross-listed: BUS 687

CJA 625 Life Course Criminology 3 Credit hours

This course provides an overview of the life course approach and describes the major concepts and issues in one's life that leads to delinquency and criminal behavior. This course reviews research on the role of the family in crime and juvenile delinquency as it applies to criminal justice.

CJA 627 Elements of Cybercrime 3 Credit hours

This course is designed to provide students with the foundational knowledge needed to detect, investigate, and prevent computer-related crimes. Topics will include computer hacking, dark web, digital forensics, online harassment, identity theft, sex crimes, cyberterrorism, digital copyright and related issues, and economic crimes.

CJA 630 Applied Criminology 3 Credit hours

This course is an advanced study of various theories of crime causation, including an examination of biological, psychological, economic, and sociological perspectives on criminal behavior and delinquency.

CJA 644 Topics in Criminal Justice 3 Credit hours
This course will examine current or special issues in criminal justice in depth. The course offers students the opportunity to discuss relevant issues facing society.
Notes: This course may be repeated, by advisement, with different topics.

CJA 647 Youth Crime and Justice 3 Credit hours
This course provides an overview of youth crime and the response by the juvenile justice system. Topics discussed include juvenile delinquency and status offenders, gangs and extraordinary groups, peer pressure, drug use and abuse, and theoretical perspectives of delinquency. Additionally, police, courts, and detention of juveniles will be discussed.

CJA 650 Advanced Criminal Law 3 Credit hours
This course is an advanced look at criminal law and the cases that influenced the law we see today. Topics include an overview of the criminal justice system and uniqueness of the criminal process, the requirement of actus reus and mens rea, and the importance of proving each element of major crimes such as homicide, rape, and inchoate crimes as demonstrated through full cases and court decisions.

CJA 652 Drugs and Society 3 Credit hours
Comprehensive analysis of the interrelationships among drug use/abuse, crime, and justice. The course will examine historical and contemporary policies, drug markets, drug trafficking, and drug offender arrests, as well as prosecution and sentencing of drug offenders by the state and federal courts.

CJA 653 Administration and Management in Criminal Justice 3 Credit hours
This course will examine administration and management in the criminal justice system and the administrative challenges associated with certain career choices. Students will explore various occupations in their career field. Topics include leadership, management, ethical issues, communication, political behavior, and administrative principles in criminal justice.

CJA 694 Focus Area Exit Benchmark 0 Credit hours
This course requires students to demonstrate or report their level of achievement of the student learning objectives developed for the Master of Science in Organizational Management Criminal Justice Administration and Management focus. Various measures such as surveys, comprehensive exams and/or capstone papers or projects will be use to gather student data. Completion of this course is a graduation requirement.
Prerequisite: Final semester prior to graduation.
Notes: Graded S/NC

CNA B520 Broadcast TV Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in broadcast TV.
Class fee: $30
Dual-listed: CNA B420

CNA F520 Digital Film Production Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in digital film production.
Class fee: $30
Dual-listed: CNA F420

CNA J520 Journalism Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in journalism.
Class fee: $30
Dual-listed: CNA J420

CNA R520 Audio/Radio Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in audio/radio.
Class fee: $30
Dual-listed: CNA R420

CNA S520 Sports Media Workshop 0-3 Credit hours
Practical application of skills learned in other classes to direct, produce, and coordinate content development in sports media.
Class fee: $30
Dual-listed: CNA S420

CNA T520 Theatre Workshop 0-2 Credit hours
Practical application of skills in stagecraft, lighting, costuming, acting, and/or directing for mainstage production. Enrollment in CNA T120/220/320/420/520 is required for participation in mainstage productions.
Dual-listed: CNA T420

CNA 532 Play Production for Secondary Schools 3 Credit hours
The study of principles and methods of play selection for, and directing design and execution of, theatre production in high schools.
Dual-listed: CNA 432

CNA 542 Communication and Rhetorical Theory 3 Credit hours
The study of various theories and models typically employed in communication studies today. Students explore the central assumptions, questions, and approaches in the study of human communication.
Dual-listed: CNA 442

CNA 543 Theatre Management 3 Credit hours
Examination of challenges and problems in commercial and nonprofit theatre organizations. Emphasis on curriculum, budgeting, fund-raising, season planning, development, and communication for all types of theatre organizations.
Dual-listed: CNA 443

CNA 547 Directing Communication Activities 3 Credit hours
A study and application of directing, coaching, and judging communication activities. The course will focus on the development of informative and persuasive speaking events, oral interpretation of literature and one-act play presentation.
Dual-listed: CNA 447

CNA 550 Media Design Applications 3 Credit hours
Survey of contemporary media software and design elements which includes the creative use of current print (newspaper, yearbook, and newsletters), video (editing, motion graphics, and animation), and audio software packages in professional content creation.
Dual-listed: CNA 450

CNA 551 Speech Pathology 3 Credit hours
Characteristics, causes, and treatment of speech and hearing disorders. Designed for teachers to aid in recognizing speech and language disorders in the classroom.
Dual-listed: CNA 451

CNA 554 Advanced Web Development 3 Credit hours
Advanced web applications, animation, and database/active-server pages. Includes focus on the function of the worldwide web in professional settings.
Dual-listed: CNA 454

CNA 555 Graduate Seminar in Communication Arts 3 Credit hours
Capstone course that involves the investigation of recent and ongoing research and theory in major field and their implications for continued research and field applications. Extensive training in listening, interviewing, and research skills. Completion of program portfolio required.
Dual-listed: CNA 455
Notes: Topics will vary. This course cannot be repeated.

CNA 567 Intercultural Communication 3 Credit hours
A course aimed at developing a thorough understanding of communication and culture, in both global and community settings, and the way members of diverse cultures and subcultures utilize unique systems, symbols and media representation to communicate among themselves and other groups. Emphasis on media representation of minority groups and U.S. sponsored health/public welfare campaigns in developing nations will enable students to critically assess the communication process in a cultural context.
Dual-listed: CNA 467

CNA 570 Family Communication 3 Credit hours
An in-depth study of family communication concepts including family systems, roles, networks, power, intimacy, and decision-making. Special attention will be given to research affecting family communication in such areas as gender, culture, race, and age.
Dual-listed: CNA 470

CNA 617 Topics in Argumentation and Persuasion 3 Credit hours
The focus of the course will alternate between argumentation and persuasion with special attention given to the intricacies in argument structure and logic and/or to the analysis of persuasive campaigns.

CNA 626 Social Media and PR Management 3 Credit hours
Examines the current systems and practices used to create and maintain Internet-based interactive communications with customers and constituents, with a specific focus on the strategy and management of these systems. Students will create content hands-on and will be able to apply a conceptual framework including public relations, branding programs, Integrated Marketing Communications, and other professional, legal, and ethical standards and practices.

CNA 648 Advanced Organizational Communication 3 Credit hours
An advanced course in organizational communication focusing on organizational culture, ethics and language in the workplace, character and leadership, organizational change and development, and the analysis of organization communication through completion of an organizational communication audit and feedback report.

CNA 653 Media Planning in Advertising and Branding 3 Credit hours
An in-depth study of the foundations of communication in advertising/branding with focus on communication planning, media messages, media channels and preparing, presenting, and evaluating a media plan.

CNA 659 Public Relations Leadership 3 Credit hours
An advanced course analyzing leadership through change, crisis, and conflict. The course will examine leadership concepts and theories in organizational group and public relations contexts. Students will study leadership styles and develop leadership skills through analyzing both historical leaders and current leadership publications, then applying lessons from both to various organizational contexts and case studies.

CNA 661 Research in Leadership 3 Credit hours
Approaches the study and practice of leadership from a communication perspective. Particular focus on the relationship between communicating and leading. Examination of leadership concepts and theories in organizational group and public contexts. Students will study leadership styles and develop leadership skills through analyzing both historical leaders and current leadership publications, then applying lessons from both to various organizational contexts.
Prerequisite: Any graduate-level research design course.

CNA 665 Research Design: Qualitative, Quantitative and Mixed Methods Approaches 3 Credit hours
Provides an overview of research design and understanding of the preliminary considerations that go into selecting a qualitative, quantitative, or mixed methods research design. These include knowing the definition for these different approaches, considering philosophical worldviews, reviewing the literature, understanding the use of theory, anticipating ethical issues, and developing writing strategies. Students will learn the process of research as it relates to each approach. This process includes writing an introduction, specifying a purpose statement, and developing research questions and/or hypotheses. This course will also discuss the methods and procedures for qualitative, quantitative, and mixed methods studies.

CNA 671 Media, Culture and Society 3 Credit hours

Students immerse themselves in a variety of academic theories from historic and contemporary scholars of media and cultural studies. This includes perspectives on audience reception, economic, political, gender, race, and sexuality through the lens of popular media texts.

CNA 675 Legal Topics in Media and Communication 3 Credit hours

This course provides a concise overview of communications law, and then delves deeply into current legal issues surrounding communication such as social media law, legal topics for public relations professionals, recent considerations for media professionals, and the changing legal landscape.

CNA 694 Focus Area Exit Benchmark 0 Credit hours

This course requires students to demonstrate or report their level of achievement of the student learning objectives developed for the Master of Science in Organizational Management Public Relations Management focus. Various measures such as surveys, comprehensive exams and/or capstone papers or projects will be use to gather student data.
Prerequisite: Final semester prior to graduation.
Notes: Graded S/NC. Completion of this course is a graduation requirement.

CSC 542 Programming, Design, and Documentation 3 Credit hours

An introduction to and an exploration of computer programming, program development approaches, systems analysis and design principles, algorithm development, debugging, programming tools, diagramming, documentation, program testing, program implementation approaches, human-computer interaction, and related topics. Concepts for procedural and object-oriented programs will be explored. Students will create program solutions coded in a common high-level language. Students will also gain familiarity with applications development tools and strategies for testing and debugging code. While exploring these topics, students will also be presented with instructional strategies for teaching such material and managing classroom activities related to the material. Each student will create a written reflection on these topics from the perspective of an educator.
Dual-listed: CSC 442

CSC 548 Web and Multimedia Content Design and Administration 3 Credit hours

This course is a study of digital media, multimedia, and web-based media and applications. The various forms of digital media will be presented. Approaches to integrating multiple forms of digital media into multimedia presentations of projects will be addressed. Current multimedia tools will be introduced. The creation and management of web-based media and applications will also be explored. Markup languages and web creation tools will be addressed. Design strategies, content management strategies, security, aesthetics, and related topics will be considered. Students will also be presented with approached to teaching the topics contained in this course and will be asked to create a written reflection, from an educator's perspective, on teaching these topics.
Dual-listed: CSC 448

CSL 509 Human Sexuality Counseling 3 Credit hours

This course is a study of Human Sexuality Counseling from a BioPsycho-Social theory of human development. Emphasis is on an individualized perspective; dynamics of psychological, sociological, and physiological predisposition; and a multidimensional approach to intervention. Assessment of individual needs, intervention problem design and implementation, and documentation of progress is also addressed. Etiology, diagnosis, treatment planning and therapeutic interventions are based on diagnostic descriptions. Diverse intervention strategies will be identified to meet the needs of a multicultural society. Specific protocols will be illustrated for diagnosis, treatment planning, and therapeutic intervention. Counselees will be presented with specific case studies and recordings of actual counseling sessions as available. Ethical issues associated with human sexuality counseling will be considered in detail.

CSL 541 Dual Diagnosis and Addiction Disorders 3 Credit hours

This course is a conceptualization of how mental health disorders relate and exacerbate addictive disorders in the counseling relationship. Topics include: drug/alcohol assessment and diagnosis, level of care placement, record keeping, treatment planning, clinical case review, discharge planning, case management, program development, cultural impact, treatment intervention and referral strategies, ethical concerns, and overall client experiences.

CSL 544 Topics in Counseling 3 Credit hours

Current or special issues in counseling will be examined. The course offers students the opportunity to discuss relevant issues facing the profession.
Notes: This course may be repeated, by advisement, with different topics.

CSL 545 Clinical Issues in Substance-Related and Addictive Disorders 3 Credit hours

This course focuses on counseling approaches for persons with substance-related and addictive disorders and special issues including dual diagnoses, relationship(s) with family members, problems associated with a specific drug of choice and problems common to the populations of women, adolescents, and the elderly. Specific counseling approaches will be suggested for each. Suggestions for helping family members of persons with these issues will also be explored.

CSL 547 Multicultural Counseling and Advocacy 3 Credit hours

This course explores the special issues involved in working with clients and students who are impacted by cultural influences of minority groups in the United States. Inclusive counseling techniques and adaptations of traditional counseling approaches when working with diverse cultural groups will be studied as well as assurance in advocacy processes including exploration of counselor privilege. Additional consideration is given to technological influence on clients and students in their cultural context.

CSL 549 Alcohol/Drug Assessment, Case Planning and Management 3 Credit hours

This course describes processes involved in collecting self-report and assessment data as a basis for making decisions regarding the diagnosis and selection of appropriate level of care of persons with substance-related and addictive disorders. Two or more alcohol/drug assessment instruments will be studied. This course will provide opportunities to study and practice maintaining confidentiality, as well as creating treatment plans, progress notes, discharge plans, and clinical reviews.

CSL 575 Psychopathology and Client Adaptations 3 Credit hours

This course reviews the risk factors that contribute to mental health and addictive disorders. Attention to adaptive behaviors that contribute to human function are explored. Common problems of infancy, childhood, adolescence, and adulthood as well as a broad exposure to the most current diagnostic categories will be explored along with brief evaluation models to assess for concerns across the lifespan as well as common medications for specific concerns. Outcome-based research that clarifies the dynamics of these disorders will be explored.

CSL 580 Professional Ethical and Legal Standards of Practice 3 Credit hours

This course is designed to encourage reflection on general and professional ethical principles, recognition of ethical issues raised in practice, and use of an ethical decision-making model. Case law and current legal implications of policy are explored as well as technological boundaries and influence in the transmission of protected health information with the review of HIPPA and HITECH acts. Case studies are used for discussion of ethical issues in developing competent, culturally sensitive professionals broadly and within their specific counseling program identity (e.g. clinical mental health, school counseling, addictions, or student affairs/college counseling.

CSL 587 Advocacy 3 Credit hours

Students will learn knowledge, skills, and attitudes to advocate for their clients and the counseling profession. Students will explore leadership skills to promote healthy public policies and to advocate for programs and services to meet the unique needs of clients. Students will also learn conflict resolution strategies to utilize in professional settings.

CSL 600 Theories of Counseling 3 Credit hours

This course is designed to introduce the major theories of counseling with an initial exposure to the counseling relationship and corresponding theoretical techniques. Psychodynamic, humanistic, and cognitive- behavioral theories are emphasized with brief discussion of systems theories, brief therapy, and feminist therapy models. Each student begins to integrate quintessential elements from these theories with their experiences and beliefs toward a personal model that will provide a way to conceptualize client needs and choose appropriate interventions. Professional orientation and applicable professional ethical codes are introduced, particularly in reference to training standards.

CSL 602 Counseling Program Orientation 0 Credit hours

Accepted students will complete items including, but not limited to, graduate program orientation, program tracking software, and initial background checks, and other valuable information related to the graduate program.
Notes: Graded S/NC

CSL 605 Clinical Psychopharmacology 3 Credit hours

An in-depth examination of the behavioral and central nervous system effects of pharmacologic substance use and abuse, and the application of such substances to the prevention and treatment of psychopathological dysfunction. Topics include basic neuronal function, pharmacology principles, medication selection and side effects, novel application of various medications, and assessment of clients considered for treatment. The course will also examine the cultural and ethical concerns of prescribing medication and the role of the pharmaceutical industry in drug development, research, and sales.

CSL 606 Professional Preparedness for Trauma Counseling 2 Credit hours

This course is designed to facilitate personal reflection and enhanced sensitivity related to working with clients who have or are experiencing trauma. Topics in this course include identifying transference and countertransference concerns related to this work, integration of self into the therapeutic relationship, effective use of boundaries and self-disclosure, and professional evaluation of self-referrals. This course is utilized as a gatekeeping class to ensure that all students are adequately prepared both personally and professionally for this work. Please be mindful that the faculty instructor reserves the right to recommend personal counseling for the students if concerns arise.
Prerequisites: Enrolled in graduate counseling program or approved graduate program or completion of a graduate degree in counseling or related field.

CSL 607 Evidenced-Based Practices in Trauma Treatment 2 Credit hours

This course will evaluate and review current evidence-based practices (EBTs) related to working with clients in trauma in the clinical counseling setting. Additional topics related to evidence-based practices include effective adaptation of models, lifespan concerns, legal processes and standards related to traumatic experiences, drug therapy implications, best practice standards, and certification requirements will be explored.
Prerequisite: A grade of B- or better in CSL 606.

CSL 608 Special Topics in Trauma 2 Credit hours

This course will identify unique topics in the context of trauma treatment. Topics include child abuse/neglect, rape, sexual assault, domestic violence, complex grief, complex trauma, combat, witness to violence, etc.
Prerequisite: A grade of B- or better in CSL 606.

CSL 609 Advanced Trauma Counseling 3 Credit hours

This course is designed to immerse students in the neurobiological responses related to trauma counseling practices and client symptom expression. This course will detail topics related to autonomic nervous system and sensory responses related to trauma, social and relational implications of trauma symptoms, and clinical awareness and treatment complexities related to trauma diagnoses.
Corequisite: CSL 606

CSL 610 Supervision Foundations in Counseling 1 Credit hour

This course is a brief introduction to counseling supervision as a foundation in the counseling profession. Students learn about common supervision theories and models, the unique dynamics of supervisory relationship, practical methods and techniques for effective supervision, the supervisee evaluation process, how to incorporate a culturally-informed approach to counseling supervision, as well as ethical and legal issues to consider when taking on a supervisee.

CSL 615 Career Development and Life Planning 3 Credit hours

This course is designed to prepare graduate level counselor trainees to facilitate career and life planning decisions within an applied professional setting. Typical theoretical perspectives associated with career development and life-planning counseling will be highlighted. Career development program planning, organization, implementation, administration, and evaluation will be addressed. Assessment instruments and techniques associated with career planning and decision-making will be explored. Technology-based career development applications and strategies, including computer-assisted career guidance information will be utilized. This class will include such topics as foundations and resources, career-counseling programs for special populations, and techniques for career-counseling interviewing. Career development program planning, organization, implementation, administration, and evaluation will be addressed. Ethical issues associated with career counseling will be considered in detail.

CSL 625 Theory and Practice of Appraisal 3 Credit hours

This course is designed to prepare graduate level counselor trainees to apply relevant principles of assessment and evaluation within an applied professional setting. Typical topics for discussion will include theoretical and historical bases for assessment techniques; reliability and validity dimensions in testing; appraisal methods associated with standardized tests; psychometric statistics upon which assessment is based; strategies for selecting, administering, interpreting, and using assessment instruments; and typical human qualities involved in the assessment process. The assumptions, implications, and effects of assessment on minorities and on public policy will also be addressed including the impact of technology on appraisal processes. Diverse intervention strategies will be identified to meet the needs of a multicultural society with individual, group, and classroom participants and settings. Ethical issues associated with appraisal counseling will be considered in detail.

CSL 630 Human Development Across the Lifespan 3 Credit hours

This course explores human growth and development with emphasis on neurobiological processes relevant to counseling practice. It is designed to prepare graduate level counselor trainees to apply relevant principles of human transformation within an applied professional setting. A presentation of personality dynamics and behavioral manifestations at critical psychosocial stages of development over the lifespan will be provided based on a Neuro- Bio- Psycho-Social perspective. Cultural implications related to human development will be explored in detail as well as outlining impact of diverse systems on human development.

CSL 636 Introduction to Student Services 3 Credit hours

An introduction to student services in higher education: history, purpose, policies, and legal and ethical issues specific to higher education. Overview of developmental theories, settings and characteristics of college students and their interaction with campus and community influences including technology integration to student services.
Prerequisites: CSL 600 and CSL 660.

CSL 641 Counseling Children 3 Credit hours

This course is designed to introduce counseling skills to the developmental needs and special problems of children within a cultural context. Appropriate techniques may include play, expressive arts, and bibliotherapy. Ethical considerations in counseling children are addressed as well as foundational credentialing processes required for certification in specialized practice.

CSL 642 Consultation 2 Credit hours

This course is designed to introduce models of consultation through which counselors collaborate with colleagues, teachers, or parents in problem-solving directed toward the needs of a third person. Through practice, students engage in skills facilitating development through the stages of consultation and reflection on their performance.

CSL 643 Elementary School Counseling 2 Credit hours

This course is designed to address the role of the elementary school counselor and services provided through the school: counseling, consulting, and coordination. Emphasis is on organizing and managing developmental guidance activities, career education, and coordination of student services, referral services, and collaboration with other professionals in the community.

CSL 644 Secondary School Counseling 2 Credit hours

This course focuses on the role of the secondary school counselor and services provided through the school. Emphasis in this practical course is in resources, procedures, and materials available for the career, academic, personal, and social development of secondary school students.

CSL 645 Diverse Families and Relationships 3 Credit hours

This course is designed to introduce systems theories to include an understanding of (a) family and relational development, issues and concepts, (b) interventions associated with major family and relational therapy models, (c) social constructivist models, and (d) practices specific to integrating children into the counseling process.
Prerequisites: CSL 600 and CSL 660.

CSL 646 Student Affairs and College Counseling 3 Credit hours

Unique needs of higher education are explored including organizational culture, budgeting/finance, and personnel practices. Models of programs to meet these needs are examined. Development of essential leadership skills and competencies of student affairs professionals are described. Identification and exploration of applicable interventions across the higher education settings are explored for effective student and program outcomes.
Prerequisite: CSL 636

CSL 647 Comprehensive School Counseling 3 Credit hours

This course is designed to address the multifaceted experiences and concerns experienced by the PK-12 school counselor. Emphasis is placed on services provided through the school: counseling, consulting, and coordination including typical encounters with psychopharmacology intervention and behavioral intervention strategies. This course also focuses on classroom management strategies as well as curriculum/lesson planning design and development. Additional foci include organizing and managing developmental guidance activities, career education, and coordination of student services, referral services, and collaboration with other professionals in the community, Technological influence is considered in the context of PK-12 students' academic needs and the comprehensive school counseling program.
Prerequisites: CSL 600 and CSL 660.

CSL 650 Current Practices in School Counseling with Diverse Populations 3 Credit hours

This course is designed to address current practices in PK-12 school counseling as it relates to diverse learners. Emphasis is placed on the exceptional needs and teaching methods of students with disabilities, implementation within least restrictive environments, assistive technology needs, and classroom management for diverse populations. Additional foci of this course include collaborative teams (e.g., IEP, 504, etc.) that school counselors engage with to assist students in the academic and behavioral referral and assessment processes and the development of differentiated instructional and behavioral strategies for PK-12 learners. This course will also address the diverse academic, social/emotional, college and career readiness, and transition service needs for all students.

CSL 660 Professional Foundations and Counseling Skills 3 Credit hours

Introduction, practice, and mastery of basic skills for structuring a counseling session. Specific attention is applied to skill implementation and function while ensuring effective ethical and culturally appropriate professional demeanor in both in-person and telehealth formats. Professional foundations into the field of counseling are identified as a means to introduce students to professional identity development and self-care strategies. Professional identity is addressed through awareness of our history, professional roles, professional associations, credentialing, licensure/certification, and advocacy.

CSL 661 Counseling Techniques and Strategies 3 Credit hours

The explanation, demonstration, and implementation of evidence-based practices commonly used in counseling. Clinical supervision strategies provide basic skills in the supervision of counselors in training as well as ensuring students are informed consumers within their own acquisition of supervisor for licensure. Additionally, the course will utilize a clinical decision-making model to select treatments that fit client characteristics/needs.
Prerequisites: CSL 600 and CSL 660.

CSL 662 Supervised Practicum 3 Credit hours

This course provides development of individual and group counseling skills in professional practice with direct service to clients. This course is designed to model, demonstrate, and train for professional skills application in each student's specific professional setting. Students are expected to successfully integrate feedback and meet professional skills and dispositions competence for internship consideration. Students must record or have direct observation of experiences during their practicum experience and meet weekly for individual/triadic supervision outside of regular class time. A minimum of 100 hours of field experience are completed with a minimum of 40 direct client contact hours. Students are expected to lead/co-lead a counseling group no less than 10 hours of their minimum 40 direct hours required during their practicum experience. Students are expected to maintain hours logs with signatures upon the completion of this course for their records.
Prerequisites: CSL 600, CSL 660, CSL 665, and a minimum of 27 credit hours completed or in-progress of completion prior to enrollment semester; acceptable annual review. Approval of field experience application and approval from advisor. If completing practicum off-campus, all site placement paperwork must be approved prior to enrollment (see handbook for due dates).
Notes: Students will be enrolled in specific section as it relates to their site (e.g. school counseling: PK-12; PK-8; 7-12; clinical mental: on campus or off-campus, college counseling/student affairs or addiction studies: on campus or off-campus).

CSL 663 Supervised Advising Practicum 3 Credit hours

This course provides student affairs and college counseling students the foundation exposure and integration of skills required to aid student clients in advising, enrollment, and registration processes. Students must record or have direct observation of experiences during their practicum experience and meet weekly for individual/triadic supervision outside of regular class time. A minimum of 100 hours of field experience are completed with a minimum of 40 direct client contact hours. Students are expected to maintain hours logs with signatures upon the completion of this course for their records.
Prerequisites: CSL 600, CSL 660, approval of field experience application and advisor approval.

CSL 664 Graduate Reflection Group 1 Credit hour

This course is led by professional counselors in the student counseling center to offer a confidential counseling reflection group for students in accordance with the requirements outlined in CSL 665. Students are not required to take this course and may instead find a community group to complete their 10 hours as a client. Time and delivery format for the group will be determined based on students enrolled in the CSL 665 course.
Corequisite: CSL 665

CSL 665 Group Counseling 3 Credit hours

This course is designed to provide theoretical and experiential understanding of group counseling with emphasis on types of groups, planning, orientation, stages of group development, group member roles and behaviors, effective leadership skills, theoretical implications for methodology and leadership style, and ethical issues related to a group environment. This course includes supervised practice and accumulation of 10 hours as a client in a group setting. Students may take CSL 664 to meet their 10 hour requirement of group participation.
Prerequisites: CSL 600 and CSL 660.

CSL 671 Academic Organization/Administration of Counseling Services 3 Credit hours

This class is an introduction to the historical development of academic counseling services and significant societal changes impacting on the evolution of the helping profession. This class is designed to prepare graduate level school counselors and student affairs/college counselor trainees to develop, deliver, and maintain outcome/performance-based counseling service programs that facilitate the academic, personal/social and career development of the individuals and groups. An emphasis is placed on the integration of counseling services within either an educational, academic, or college setting as well as effective consultation and collaboration with critical professionals, caregivers, and client supports.
Prerequisites: CSL 600 and CSL 660.

CSL 672 Clinical Organization/Administration of Counseling Services 3 Credit hours

This class is an introduction to the historical development of clinical counseling services and significant societal changes impacting on the evolution of the helping profession. This class is designed to prepare graduate level clinical counselors and addiction counselor trainees to develop, deliver, and maintain outcome/ performance-based counseling service programs that facilitate the academic, personal/social and career development of individuals and groups. An emphasis is placed on the integration of counseling services within either a private practice, agency, hospital, or school setting as well as effective consultation and collaboration with critical professionals, caregivers, and client supports.
Prerequisites: CSL 600 and CSL 660.

CSL 675 Diagnosis and Treatment Planning 3 Credit hours

This course is a study of the mental health disorders manifested within the United States and outlined in the most current diagnostic and statistical manual. The primary focus is on contemporary diagnostic descriptions; advances in differential diagnostic procedures; current theoretical perspectives; and prevalent treatment planning strategies that guide the intervention process. Assessment of individual needs, intervention program design and implementation, and documentation of progress is also addressed. Etiology, diagnosis, treatment planning and therapeutic interventions are based on contemporary diagnostic descriptions. Diverse intervention strategies will be identified to meet the needs of a multicultural society. Specific protocols will be illustrated for diagnosis, treatment planning, and therapeutic intervention. Psychological disorders will be presented in specific case studies, counseling transcripts, films, and videotapes of actual counseling sessions. Ethical issues associated with counseling those with psychological disorders will be considered in detail.
Prerequisites: CSL 600 and CSL 660.

CSL 688 Crisis and Trauma Intervention 3 Credit hours

This course will identify the immediate and long-term impact of crises, disasters, and trauma on individuals and organizations. The principles of risk assessment and management, crisis intervention, and the role of the counselor in emergency management teams will be described. Interventions for short- and long-term trauma treatment strategies are explored in the neurobiological context of the individual. Guidelines for professional, school, and community responses to suicidal threats and completions, violence, bereavement, substance abuse crises, mandatory reporter expectations, and other trauma will be emphasized. Self-care strategies for counselors working with trauma and crises will also be explored.
Prerequisites: CSL 600 and CSL 660.

CSL 692 Counseling Program Exit Benchmark 0 Credit hours

Students will complete final graduate program requirements including, but not limited to, graduate and professional exams, all program tracking software requirements, and graduation requirements.
Notes: Graded S/NC

CSL 697 Internship in Counseling 3 Credit hours

The internship involves required field experience in a setting appropriate to the student's program. The student should have the required coursework to function effectively at the internship site and have demonstrated the ability to be helpful to students or clients (successful supervised practicum experience required). Emphasis will be placed on (a) direct services to students and/or clients and (b) indirect services to include the use of best practices in planning, reflection on their work, accountability, and supervision. Direct service will include individual and group counseling for all interns and additional area-specified activities in relation to certification and endorsement requirements. Proficient site completion and evaluations are required to pass this course including weekly class attendance and weekly individual/triadic supervision outside of class time. Internship hours are typically completed in enrollment of 3 credit hours (300 hours; 150 direct hours minimum) or 6 credit hours (600 hours; 300 direct hours minimum). Modeling ethical and personal behavior articulated in the counseling program handbook and professional ethical standards is required.
Prerequisites: A grade of B- or better in CSL 662. Approval of field experience application and advisor approval. If completing internship off-campus, all site placement paperwork must be approved prior to enrollment (see handbook for due dates).
Notes: Students will be enrolled in a specific section as it relates to their site (e.g. school counseling; PK-12; PK-8; 7-12; clinical mental: on-campus or off-campus, college counseling/student affairs, or addiction studies: on-campus or off-campus).

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EAS 530 Oceanography 3 Credit hours

An analytic study of the ocean floor, inherent motions of water and the chemical properties of the oceans.
Dual-listed: EAS 430

ECO 600 Studies in Economics Education 3 Credit hours

Designed for secondary schoolteachers, this course examines selected themes in economics education.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

EDU 510 Culturally Responsive Teaching 3 Credit hours

Understanding techniques, curriculum, and programming that exemplify culturally responsive teaching. An emphasis on positive student-teacher relationships that nurture and enhance culturally responsive classrooms.
Prerequisite: Admission to Curriculum and Instructional Leadership MSE: Community of Learning.

EDU 515 ESL Programs, Curriculum, and Assessment 3 Credit hours

A course to examine programs providing appropriate education for English Language Learners. Curriculum will be evaluated relative to the research in second language acquisition. Modules on formal assessment for placement and growth and informal (authentic) assessment will also be provided. Clinical experience will be included. Students will complete a project relating to the theorists who have contributed to understanding of ESL programs, curriculum, and assessment.
Dual-listed: EDU 415

EDU 516 ESL Methods and Assessment 3 Credit hours
A course designed to examine methods appropriate for English Language Learners including sheltered English, total physical approach, comprehensions based and affective-humanistic approaches. Techniques for an authentic (informal) assessment of Limited English Proficient students and goal setting based on results of formal assessment as well as clinical experience will be included. Graduate students will complete a project relative to the use of appropriate methods or assessments of ELL (English Language Learner) students.
Dual-listed: EDU 416

EDU 517 English as a Second Language Practicum PK-12 3 Credit hours
A course designed to offer students opportunities to work within English as a Second Language PK-12 programs and develop skill in methods and assessment relating to English Language Learners. Reflection and peer discussion will be part of the course. All students will complete a minimum of 45 hours in a PK-12 classroom setting.
Dual-listed: EDU 417

EDU 525 Preparing for Level 2: Teacher Candidacy 0 Credit hours
This course is designed for graduate students in Level 1 of WSC's educator preparation program who are progressing into Level 2. This course session will be held in conjunction with New Graduate Student Orientation at the beginning of the Fall and Spring semesters. Graduate students will attend this session to receive valuable information including, but not limited to, admission, program progression, degree and certification requirements, the use of portfolio software, professional dispositions for success, etc.
Notes: Graded S/NC

EDU 530 Literacy Assessment 3 Credit hours
The assessment, analysis, and instruction of children's literacy development to include a field experience.
Dual-listed: EDU 430

EDU 542 MAT Pre-Teaching Seminar 0 Credit hours
This course is designed for graduate students who have been approved by the Nebraska Department of Education for an Alternative Program Teaching Permit through Pathway Five and intend to pursue the Master of Arts in Teaching (MAT). The seminar will provide the student with valuable information including, but not limited to, admission, program progression, degree and certification requirements, the use of portfolio software, and professional teacher dispositions.
Notes: Graded S/NC

EDU 544 Special Topics in Education 3 Credit hours
Selected topics related to education outside other courses.
Dual-listed: EDU 444
Notes: May be used once as an elective.

EDU 545 Preparing for Level 3: Clinical Practice 0 Credit hours

This course is designed for graduate students in Level 2 of WSC's educator preparation program who are progressing into Level 3 and those completing clinical practice to change endorsement levels. Two virtual sessions will be held at the beginning of each academic session for graduate teacher candidates planning to student teach in the following semester. Graduate teacher candidates will attend one of the two virtual sessions to receive valuable information including, but not limited to, how to apply for Clinical Practice, an overview of Clinical Practice requirements, rules regarding placement choices and department approval requirements.

Dual-listed: EDU 445

Notes: Graded S/NC

EDU 550 Clinical Practice for Early Childhood 6-12 Credit hours

A semester course of full day learning experiences in an early childhood setting under the supervision of a cooperating pre-K to grade 3 classroom teacher and a supervisor from the School of Education and Behavioral Sciences. This is the culminating experience of the early childhood education inclusive education initial licensure preparation program at the graduate level.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC

EDU 552 Clinical Practice for Elementary School 6-12 Credit hours

A semester course of full day learning experiences in an elementary school under the supervision of a cooperating K-6 classroom teacher and a supervisor from the School of Education and Behavioral Sciences. This is the culminating experience of the elementary initial licensure preparation program at the graduate level.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC

EDU 554 Clinical Practice for Middle Level 6-12 Credit hours

A semester course of full day learning experiences in the middle level under the supervision of a cooperating 5-9 teacher, a supervisor from the School of Education and Behavioral Sciences, and a faculty member from each content subject area. This is the culminating experience of the middle level initial licensure preparation program at the graduate level.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC

EDU 556 Clinical Practice for Secondary School 6-12 Credit hours

A semester course of full day learning experiences in a secondary setting under the supervision of a cooperating 7-12 classroom teacher, a supervisor from the School of Education and Behavioral Sciences, and faculty member from the appropriate content area. This is the culminating experience of the secondary initial licensure preparation program at the graduate level.

Prerequisite: Acceptance to Clinical Practice.

Notes: Graded S/NC

EDU 557 Human Relations in a Pluralistic Society 1 Credit hour

A study of issues and sensitivity to biases in human relations as they impact people of a pluralistic society with varied histories, values, and lifestyles. Develop abilities to recognize, and use strategies and skills to deal with dehumanizing biases, including, but not limited to sexism, racism, prejudice, and discrimination and promote respect for human dignity and individual rights, and celebrate the differences of individuals and groups in a pluralistic society that makes it viable.
Dual-listed: EDU 457

EDU 600 Literacy through Literature for Children 3 Credit hours

An advanced course in children's literature will focus on all genre including contemporary authors and multicultural materials for elementary school applications. An emphasis will be given to the integration of literature across the curriculum to facilitate literacy.

EDU 603 Introduction to Educational Research and Design 3 Credit hours

Beginning graduate students will develop a practical knowledge and application of basic types of research, as well as basic research tools and skills that will be helpful to them throughout their program. Graduate students will create a research plan and write a review of literature (paper). Students will create appropriate survey and interview questions, develop a beginning understanding of educational statistics, and the process for developing a research proposal including Institutional Review Board requirements and application processes.

EDU 604 Language Arts in the Elementary and Middle School 3 Credit hours

A course designed to enhance instruction and assessment of elementary and middle level students' communication skills.

EDU 605 Curriculum and Methods Appropriate for Ages Birth-8 3 Credit hours

Planning, implementing, and evaluating developmentally appropriate and integrated curricula for young children in the areas of language, literacy, mathematics, science, social studies, the arts, and health and safety; planning for and implementing developmentally appropriate methods for the learning of young children.

EDU 610 Elementary School Administration PK-8 3 Credit hours

A study of the role and responsibility of the elementary principal to lead by establishing a school vision; striving for educational equity; implementing a rigorous and coherent elementary curriculum; cultivating an inclusive, caring, and supportive school community; promoting professional capacity; and fostering a professional community to promote the academic success of elementary and middle school students. Topics include engaging families and community organizations, student personnel policies, student activities, guidance services, class scheduling, integrating technology, and evaluating the education program.

EDU 611 Secondary School Administration 6-12 3 Credit hours
The study of the role and responsibility of the secondary school principal to lead by establishing a school vision, striving for educational equity; implementing a rigorous and coherent secondary curriculum; cultivating an inclusive, caring, and supportive school community; promoting professional capacity; and fostering a professional community to promote the academic success of middle and high school students. Topics include engaging families and community organizations, student personnel policies, student activities, guidance services, class scheduling, integrating technology, and evaluating the education program.

EDU 612 Social Studies in the Elementary and Middle School 3 Credit hours
A course designed to enhance instruction and assessment of elementary and middle level students' knowledge, skills, and dispositions in the social sciences to include anthropology, economics, geography, government, history, psychology, and sociology.

EDU 613 Science in the Elementary and Middle School 3 Credit hours
A course designed to enhance instruction and assessment of elementary and middle level students' knowledge, skills, and disposition for scientific investigation.

EDU 614 Mathematics in the Elementary and Middle School 3 Credit hours
A course designed to enhance instruction and assessment of elementary and middle level students' knowledge, skills, and dispositions in mathematics.

EDU 617 Assessment of Needs for Young Children Birth-8 3 Credit hours
Study of formal and informal assessment procedures for youth from birth to grade three.

EDU 626 Advanced Educational Psychology 3 Credit hours
A study of theories of learning and motivation, conditions and processes of cognitive, affective, and psychomotor learning; personal qualities of a teacher; the teaching process, classroom management; teaching the exceptional learner; and the role of evaluation in learning and teaching.

EDU 627 Current Issues and Trends in Education 3 Credit hours
This course offers intensive study of specific issues and trends that have direct impact upon education. Individuals will choose a topic to examine in breadth and depth. It presents a comprehensive approach to the exploration of the selected topics. The course offers opportunities for the students to examine relevant topics affecting education in breadth and depth.

EDU 628 Re-certification Practicum 1-6 Credit hours
A practicum consisting of one hundred or more clock hours of contact with students in the classroom setting, fifty percent of which shall consist of performing instructional duties under the supervision of a designated supervisor. The practicum is a requirement by the Nebraska Department of Education for renewing certificates that have lapsed more than five years.
Notes: Graded S/NC

EDU 629 Science of Reading for Early Childhood 2 Credit hours
This is an advanced course in literacy and language skills for PreK-K educators that provides deep knowledge of early literacy instruction. Topics include the integration of phonology, orthography, semantics, syntax, and morphology with an emphasis on the foundational concepts of language and reading development. This course is designed for those participating in specific training delivered through an Educational Service Unit, school district, or other approved entity.

EDU 630 Science of Reading I 3 Credit hours
This is an advanced course in literacy and language skills for K-12 educators focusing on phonology, morphology, fluency, reading difficulties, spelling, and assessment with an emphasis on the foundational concepts of language and reading development. This course is designed for those participating in specific training delivered through an Educational Service Unit, school district, or other approved entity.

EDU 631 Science of Reading II 3 Credit hours
This is an advanced course in literacy and language skills for K-12 educators focusing on vocabulary, word knowledge, reading comprehension, writing, and working with diverse populations. This course is designed for those participating in specific training delivered through an Educational Service Unit, school district, or other approved entity.

EDU 632 Clinical for Early Childhood 3 Credit hours
A one-semester experience and study concerning programs in early childhood education in selected early childhood settings. Requires field experience in an early childhood education setting selected by the student and instructor.
Prerequisite: All previous course work in the Early Childhood Program.

EDU 635 Differentiated Methodology 3 Credit hours
Exploration of differentiated lesson planning and unit designs within all content areas.
Prerequisite: Admission to Curriculum and Instructional Leadership MSE: Community of Learning.

EDU 642 Foundations of Literacy 3 Credit hours
The philosophy, history, and components including but not limited to phonics, comprehension, writing, and diverse learners of PK-12 literacy.

EDU 645 The Principal as an Instructional Leader 3 Credit hours
This course examines the different areas of emphases and roles that are central to promoting effective instructional leadership in schools, especially as they apply to the principal. This will include the study of instructional leadership as it relates to the improvement of instruction, effective schools, and ongoing effective program delivery by personnel. Areas to be explored and discussed include significant and recent research and best practices of instructional leadership, high reliability schools, learning theory, the change process, school climate and culture, school improvement and the use of data, effective teaching methods and the relationship of instruction to curriculum.

EDU 647 Instructional Theory and Practice in Literacy 3 Credit hours
Investigates various theoretical and practical methods of literacy instruction as well as the literacy needs of diverse learners.

EDU 648 Advanced Assessment and Interventions in Literacy 3 Credit hours
Literacy assessment tools, techniques, bias, data analysis, and instructional interventions for grades PK-12. Field experiences will be included.

EDU 649 Instructional Leadership in Literacy 3 Credit hours
Investigates various instructional leadership (e.g., mentor, coach, and director) roles for literacy professionals and interpersonal skills required for such positions. Field experiences will be included.

EDU 651 Classroom Assessment 3 Credit hours
This class is designed to acquaint students with the latest research related to classroom assessment techniques and, further, to create opportunities for teachers to try out new assessment practices in their own classrooms. Special attention will be given to efficient classroom data management routines that can minimize the time burden for teachers while maximizing their understanding of individual student strengths and weaknesses.
Prerequisite: Community of Learning Commitment.
Notes: Enrollment in this class is limited to those students pursuing an MSE in Curriculum and Instruction through the Community of Learning format.

EDU 652 Instructional Theory and Practice 3 Credit hours
This class is designed to acquaint students with the latest research related to instructional theory, and further, to create opportunities for teachers to try new instructional approaches. The course surveys systems that teachers may use to assess the pros and cons of various instructional approaches.
Notes: For students pursuing the MAT degree, this course includes an introduction to the Science of Reading.

EDU 655 School Law: Constitutional Aspects and Cases 3 Credit hours
This course explores the legal, ethical, and political issues of school administration and implementing equity of educational opportunity and culturally responsive practices. The course will examine the principles of PK-12 education law and the management of school operations through the study of the legal system and student and employee rights.

EDU 656 School Law: Operational Aspects and Cases 3 Credit hours
A course designed to acquaint the student with the principles of school law. Some of the areas included are: The legal system; school administrative structure; school organization; tort liability; financing public education and private education.

EDU 657 School Organization and Community Relations 3 Credit hours
A study of school leadership, the organization and administration of public schools, and the meaningful engagement of families and communities to promote each student's academic success and well-being. The Study shall include an examination of leadership styles, political and legal structure of schooling in the United States, and how to interact with and build partnerships with families and the community; as well as how to advocate for students and schools.

EDU 658 Fundamentals of Curriculum Development PK-16 3 Credit hours
A course designed to examine the principles underlying the development of a PK-12 public school and post-secondary program curriculum. Emphasis on methods of determining priorities, objectives, scope and sequence and organizational patterns. The roles of state and local involvement will also be examined.

EDU 659 Finance/Facilities 3 Credit hours
A study of the management of a school's facilities and fiscal resources and the leadership skills necessary to cultivate a caring and supportive school community. Emphasis will be placed on acquiring and managing school resources, ethical stewardship of school funds, and maintenance of a safe, caring, and healthy school environment.

EDU 660 Supervising the Student Teacher 3 Credit hours
A course for persons who wish to be one of the following: cooperating teacher in a school off-campus; supervising teacher in a campus laboratory school; administrator in a school system where there are student teachers; college director of clinical practice.

EDU 666 Supervision of Instruction (Elementary-Secondary) 3 Credit hours
A course designed to acquaint student with leadership strategy, which will help administrators, supervisors, department chairpersons, or others with supervisory responsibility for improving the effectiveness of the teacher-learning process. Emphasis on the conditions and process of supervision.

EDU 674 History and Philosophy of Education 3 Credit hours
Philosophies and theories underlying the American educational system. An analysis of the differing philosophies of education and their implications for education in a democratic society.

EDU 682 Developing and Integrating Technology in the Classroom 3 Credit hours
This is an advanced course in which students will further develop skills to use advanced technology for classroom presentations and interactive teaching/learning. This course is also designed to integrate instructional principles and assessment practices with the use of technology in the classroom. Students will develop a broader understanding of the application of technology in the curriculum of one's subject area(s) or grade level(s).

EDU 689 Internship in Administration PK-8 3 Credit hours
A one semester experience and study concerning administrative functions in selected PK-8 school settings. Arranged cooperatively with public/private schools and Wayne State College. Course objectives prescribed in EDU 689 syllabus include 130 internship hours.
Prerequisites: EDU 657, Major in School Administration/Educational Leadership, and last 12 hours in the program of study.

EDU 690 Internship in Administration 6-12 3 Credit hours
A one semester experience and study concerning administrative functions in selected 6-12 school settings. Arranged cooperatively with public/private schools and Wayne State College. Course objectives prescribed in EDU 690 syllabus include 130 internship hours.
Prerequisite: EDU 657, Major in School Administration/Educational Leadership, and last 12 hours in the program of study.

EDU 693 Final Research 2-3 Credit hours

Original research in the content area designed and conducted by the student and directed by a faculty advisor. Types of research include Final Research Paper, Final Research Project, Final Research Portfolio and Comprehensive Examinations. The results of the research project may be presented to faculty, school boards, community groups, or other appropriate groups. This course is the capstone research project for the MSE Curriculum and Instruction-Instructional Leadership emphases. It should be taken within one of the final two semesters of the program. This course may be used as three credit hours of electives to meet the 36 hour degree requirement. Complete descriptions of each research type may be found in the MSE Curriculum and Instruction Handbook. [For an emphasis that requires a Thesis the student completes 6 hours of EDU 699 in place of EDU 693 and one three credit hour elective to meet the 36 hour degree requirement.]

EDU 698 Practicum or Seminar 1-6 Credit hours

A course designed for the graduate student who desires competency in special contemporary areas.

EDU 700 The Superintendency 3 Credit hours

An examination of the administrator's role in general supervision of education programs, to include a broad overview of the role and function of the school superintendent in the selection and development of staff and professional personnel, physical plant maintenance, transportation, public relations, planning, fiscal responsibilities and politics in the community.

EDU 704 School Law for Administrators 3 Credit hours

A course designed for in-depth study of current state statutes, federal legislation, significant court cases and rule-making which affect school financing, accreditation, contractual agreements, downsizing, consolidation, and teacher/student rights and responsibilities.

EDU 705 Problem Resolution in Educational Organizations 3 Credit hours

This course entails the study of systematic methods for analyzing and resolving major problems encountered by leaders of public and private school systems.

EDU 710 School Improvement Planning 3 Credit hours

Course content includes learning organization theory, research on collaborative decision-making models for school improvement, and development of change models that can be applied in the local school setting.

EDU 725 Educational Facilities Planning 3 Credit hours

Present and future building and equipment needs of school units; planning program through post-occupancy stages; field work as a part of a group school plant study.

EDU 730 Human Resources Administration 3 Credit hours

A comparison of practices with principles governing the satisfaction of school personnel needs, including a study of tenure, salary schedules, unions, supervision, rewards, and other benefits.

EDU 740 Business Management 3 Credit hours
Examines the fiscal environment of public education to include sources of tax revenue, allocation of resources, responsibilities of school board and administrators, trends in financing public education, and an analysis of selected funding programs. Special attention will be given to fiscal issues confronting administrators of Nebraska schools.

EDU 745 School Finance and Budgeting 3 Credit hours
Course content will include utilizing and analyzing supporting spreadsheet budget documents which includes computing total staff cost, preparing a line-item budget, studying bond issues and debt services, comparing specialized funds, reviewing the audit process, and examining historical spending patterns.

EDU 750 School and Community Relations 3 Credit hours
The systematic exploration of education policy as it has organized, reflected, and influenced the lives of children, youth, and families, with particular emphasis on effective communication and practical applications. Roles of educational organizations and institutional change in such social issues as equity and cultural diversity will be studied.

EDU 786 Advanced Internship in Educational Leadership 3 Credit hours
Course content includes self-evaluation exercises, networking activities, and a major field project, all of which are designed to prepare the student for an entry-level position in school district administration.
Notes: This class should be taken within the last nine credit hours of course work.

EDU 790 Special Topics in Educational Administration 1-3 Credit hours
Selected topics related to educational administration.
Notes: This course may be repeated up to a total of 6 hours for the graduate-level programs in educational administration, with different topics.

ENG 501 Writer's Workshop 3 Credit hours
The course is intended for experienced creative writers working in poetry, fiction, creative non-fiction, or other genres who wish to further practice their craft.
Prerequisites: ENG 402 and 403, or graduate standing.
Notes: This course may be repeated.

ENG 515 Neihardt Seminar 3 Credit hours
An intensive study of selected authors, genres, and approaches to writing and reading. The course is usually taught by a visiting writer/scholar.
Dual-listed: ENG 415
Notes: This course may be repeated.

ENG 522 History of the English Language 3 Credit hours
The development of modern English from its Anglo-Saxon sources through American English, with emphasis on phonetics and the history of grammar, syntax, and vocabulary. Illustrative reading in Anglo-Saxon, Middle English, and the principal modern dialects.

ENG 526 Linguistic Theory and Applications 3 Credit hours
A linguistic study primarily of English, including phonetics, phonology, morphology, syntax, semantics, pragmatics, orthography, historical linguistics, sociolinguistics, psycholinguistics, neurolinguistics, and linguistic anthropology.
Dual-listed: ENG 426

ENG 527 Academic and Professional Writing 3 Credit hours
This course examines the theory and practice of writing for academic and professional fields, including differences in diction, style, organization, and documentations among different disciplines and professions. Course materials and assignments are tailored to each student's needs.

ENG 542 Teaching Writing 2 Credit hours
A survey of the major theories and issues surrounding the teaching of writing in the pre-college classroom. Topics include classroom strategies, traditional grammar and its alternatives, grading and testing, and individualizing the writing curriculum. After an initial survey of current literature on these topics, students will be involved in designing their own writing curricula, micro-teaching, and adapting materials to the needs of the student population they expect to encounter in their professional careers.
Dual-listed: ENG 442

ENG 543 Young Adult Literature 2 Credit hours
Study of popular and traditional literature appropriate for adolescent readers, and of techniques and strategies for teaching this literature.
Dual-listed: ENG 443

ENG 544 Developmental Reading in Middle and Secondary Schools 2 Credit hours
Survey of current research on the reading processes of middle and secondary school student: techniques for assessing, developing, and improving students' reading strategies, with emphasis on such topics as vocabulary development, comprehension, study skills, and reading in the content areas. This course meets the middle and secondary school reading requirement (reading in the content areas).
Dual-listed: ENG 444

ENG 571 Modern European Fiction 3 Credit hours
Representative continental fiction of the late nineteenth and twentieth centuries.

ENG 575 The English Novel 3 Credit hours
Representative novels of the eighteenth and nineteenth centuries; the historical development of the novel.

ENG 576 Twentieth Century Poetry 3 Credit hours
British and American poetry of our time, including the works of Yeats, Frost, Eliot, Auden, and others.

ENG 578 Seminar in Drama 3 Credit hours
The study of representative British and American drama from 1892 to the present. Some major European dramatists may be included.
Notes: Topic and title will vary from offering to offering.

ENG 583 Studies in Film and Literature 3 Credit hours
A study of the history, development, techniques and cultural impact of a selected cinematic and literary genre or theme with focus on the interplay between film and print.
Dual-listed: ENG 483
Notes: This course may be repeated for a total of 6 hours, by advisement, with different topics.

ENG 600 Readings in Literary History 3 Credit hours
Guided readings in British and American literature and its history based upon the graduate reading list.

ENG 621 Seminar in Major Authors 3 Credit hours
Intensive study of one or two major writers.
Notes: Topic and title vary from offering to offering. This course may be repeated.

ENG 632 Seminar in English Literature to 1700 3 Credit hours
Topics in English literature through the Restoration.
Notes: Topic and title vary from offering to offering. This course may be repeated.

ENG 633 Seminar in English Literature from 1700-1900 3 Credit hours
Topics in English literature of the Augustan, Romantic, and Victorian periods.
Notes: Topic and title vary from offering to offering. This course may be repeated.

ENG 644 Seminar in American Literature 3 Credit hours
Topics in American literature from the beginning to 1920.
Notes: Topic and title vary from offering to offering. This course may be repeated.

ENG 655 Modern British and American Literature 3 Credit hours
Studies in the Anglo-American literary culture of the twentieth century.
Notes: Topic and title vary from offering to offering. This course may be repeated.

ENG 682 Topics in Literary Criticism 3 Credit hours
Close study of a major problem in the criticism of literature.
Notes: Problem and title vary from offering to offering. This course may be repeated.

F

FCS 505 Special Topics in Family and Consumer Sciences 3 Credit hours
Each time this course is offered the focus will be on topics related to one of the areas of family and consumer sciences. The areas to be rotated include housing, textiles and apparel, family relations, foods and nutrition, resource management, and other topics as applicable.
Notes: This course may be repeated up to a total of 9 hours with different topics.

FCS 604 Infants/Toddlers Through Primary Children Birth-8 3 Credit hours
Study of the processes of human growth and development from birth through age 8 as determined by heredity, society, and human interaction. The course will examine physical, social, emotional, cognitive (intellectual), language (communication), and creative development.

FCS 610 Instructional Techniques and Curriculum Development in FCS 3 Credit hours
This course will examine the current literature on instructional techniques and curriculum development; compare and contrast available curriculums; adapt and apply curriculums to meet needs of family and consumer sciences.

FCS 611 Administration of Early Childhood Education Programs and Coordination of Community Partnerships 3 Credit hours
A study of principles for successful development and management of early childhood education programs and centers. Coordinating relations between families, schools and communities will also be addressed.

FCS 615 Current Trends and Issues in Family and Consumer Sciences 3 Credit hours
This course explores current trends and issues that affect the field of family and consumer sciences.

FCS 616 Early Childhood Practicum and Applied Research 3 Credit hours
Study of children birth through age 5 by observation and interaction in an organized environment such as a child development center or preschool program. Interaction and observation are required in an early childhood setting. A child study, case study, anecdotal record or other research project resulting from the interaction/observation will also be required.
Prerequisite: FCS 604

G

GEO 500 Topics in Geography 3 Credit hours
Reading and discussion of selected topic in geography.
Notes: Topic and title will vary. This course may be repeated if topic and title are different.

GEO 510 Hazards and Disasters 3 Credit hours
This course involves the study of catastrophic natural phenomena such as volcanic activity, earthquakes, floods, landslides, hurricanes, and tornadoes. We will examine these events on a world scale, always trying to understand where they occur and why they occur in those places. Emphasis is given to understanding the physical processes involved along with means of predicting, preventing, and minimizing the impact on humans.
Dual-listed: GEO 410

GEO 525 Urban Geographic Information Systems 3 Credit hours
This course is divided into two components. The lecture component for this course emphasizes the theoretical nature of geographic information systems (GIS) and surveys urban topics that typically employ GIS applications. The lab component provides students with hands-on experience with GIS and global positioning systems (GPS) to complete mapping projects that involve demographics, public health, urban planning, and crime.
Dual-listed: GEO 425

GEO 530 Geographic Information Systems 3 Credit hours
This course provides a basic introduction to the theory behind and hands-on usage of a Geographic Information System. An ability to manipulate and visualize data graphically is becoming ever more important in today's technological workplace. A Geographic Information System is a computing tool that allows the user to visualize information in ways that reveal relationships, patterns, and trends not visible using other presentation methods.
Dual-listed: GEO 430

GEO 535 Computer Mapping 3 Credit hours
An introduction to basic concepts and techniques for creating maps via computers. Emphasis will be on interpretation of physical and cultural information from maps and understanding map layout and design. Hands-on use of computer mapping programs will allow students to create their own maps in lab.
Dual-listed: GEO 435

GEO 540 Remote Sensing 3 Credit hours
This course provides a basic introduction to the concepts and applications of remote sensing. Labs provide students with experience interpreting and analyzing aerial and satellite imagery for environmental assessment.
Dual-listed: GEO 440

GEO 590 Geography and History of Nebraska 3 Credit hours
A history and geography of Nebraska focusing on principal people, events, and themes in the state's history.
Cross-listed: HIS 590
Dual-listed: GEO 490

GEO 600 Reading Seminar in Geography 3 Credit hours
Extensive reading and discussion seminar designed to provide a broad competency in geography.
Notes: Topic and title will vary. This course may be repeated if topic and title are different.

H

HIS 505 Topics in Western Civilization 3 Credit hours
Reading and discussion seminar on selected topics in European history.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

HIS 560 Topics in United States History 3 Credit hours
Reading and discussion seminar on selected topics in the history of the United States.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

HIS 590 Geography and History of Nebraska 3 Credit hours
A history and geography of Nebraska focusing on principal people, events, and themes in the state's history.
Cross-listed: GEO 590
Dual-listed: HIS 490

HIS 600 Reading Seminar in Early Western Civilization 3 Credit hours
Extensive reading and discussion seminar designed to provide a broad competency in the history of early western civilization.

HIS 601 Reading Seminar in Modern World History 3 Credit hours
Extensive reading and discussion seminar designed to provide a broad competency in the history of modern world history.

HIS 605 Studies in Western Civilization 3 Credit hours
Study of a particular topic or period. Will emphasize both content acquisition and general research skills. A major research paper is required.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

HIS 660 Reading Seminar in United States History to 1877 3 Credit hours
Extensive reading and discussion seminar designed to provide a broad competency in early American history.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

HIS 661 Reading Seminar in United States History Since 1877 3 Credit hours
Extensive reading and discussion seminar designed to provide a broad competency in recent American history.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

HIS 665 Studies in United States History 3 Credit hours
Study of a particular topic or period. The course emphasizes both acquisition of content knowledge and general research skills. A major research paper is required.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

I

IDS 692 Exit Benchmark 0 Credit hours
This course requires students to demonstrate their level of achievement of the student learning objectives developed for the Master of Arts or Science in Interdisciplinary Studies.
Notes: Graded S/NC. Completion of the course is a graduation requirement.

ITE 503 Electronics and Control Systems 3 Credit hours
This course will cover electricity, electronics, hydraulics, and pneumatics as each relate to controlling machines in manufacturing environments. Students will further explore the areas of Alternating Current, Direct Current, analog and digital circuitry, solid state devices, AC and DC motors, sensors, programmable logic controllers, and selected information input systems.
Class fee: $30
Dual-listed: ITE 403
Notes: Lecture and lab combined

ITE 505 Organization of Technology Education Programs 3 Credit hours

Philosophy and types of activities in the secondary and vocational school lab type of class. Selection and organization of instructional materials, layout and planning of facilities, equipment and tool selection, distribution systems for tools and materials. An introduction to job analysis and organization of student personnel systems.

ITE 510 Teaching Techniques, Curriculum and Course Organization 3 Credit hours

Current practices and teaching techniques in Technology Education including course organization and curriculum development in the specified topic.
Notes: Repeatable up to 12 credit hours with a different topic. Topics vary by term and include one of the following: a) Architecture and Construction, b) Energy and Engineering, c) Manufacturing, d) Transportation, Distribution and Logistics.

ITE 512 Industrial Prototypes and Manufacturing Design 3 Credit hours

Examines current topics, research, exploration, testing, and evaluation of computer-aided drafting and design programs. Development of industrial quality prototypes from engineering or designer prints. Includes the selection of materials and processes for production that reviews the design process to include design analysis, design process, modeling, rendering, and presentation. Includes 3D modeling, working drawings, BOM, Parts List, Finite Element Analysis, and 3D printing.
Class fee: $30
Dual-listed: ITE 412
Notes: Lecture and lab combined

ITE 521 Computer Integrated Manufacturing and Robotics 3 Credit hours

Introduction to the concepts and procedures of CIM production as well as the main components and devices in a CIM cell. Using a fully simulated industrial CIM, students learn about the CIM production cycle, from customer order and inventory control, through automated manufacturing of materials into finished parts, to quality inspection and final delivery. Additional topics include programming industrial robots and the opportunity to earn an industrial Robot Certification.
Class fee: $30
Dual-listed: ITE 421
Notes: Lecture and lab combined

ITE 522 Advanced CIM and Robotics 3 Credit hours

Students design, set up, and operate CIM cells, and learn more advanced robotic programming, are introduced to Quality Control video device with software, part feeding, and ERP. Activities will migrate from basic operations to identifying cost savings opportunities and increasing throughout, if not earned in ITE 421, the opportunity to earn an Industrial Robot Certification is possible.
Dual-listed: ITE 422
Notes: Lecture and lab combined

ITE 538 Commercial Construction 3 Credit hours
This course covers commercial and civil construction designs. Topics include: materials, materials testing, design considerations, characteristics of commercial/civil construction vs. residential construction and career opportunities. The graduate level course will include the design and managerial aspects of commercial construction in comparison to residential construction.
Dual-listed: ITE 438

ITE 605 Organization of Technology Education Programs 3 Credit hours
Philosophy and types of activities in the secondary and vocational school lab type of class. Selection and organization of instructional materials, layout and planning of facilities, equipment and tool selection, distribution systems for tools and materials. An introduction to job analysis and organization of student personnel systems.

ITE 608 New Technologies for Your Classroom 3 Credit hours
This course covers new technologies in STS, AET, FCS, and ART. Technologies include but are not limited to: Lasers, 3D Printers, CNC Routers, CNC Lathes, CNC Mills, CNC Plasma Cutting, and Plotter. Students will create, prepare, and present lessons for 2-3 technologies of their choice.

ITE 640 Manufacturing Techniques in Cabinetmaking 3 Credit hours
Advanced course in the modern techniques of cabinet manufacturing and construction techniques. Will include instruction in composite materials, adhesives, construction techniques, computer aided manufacturing and production systems. Students will construct a cabinet. Students should have knowledge of basic woodworking tools.

ITE 650 Developments in Technology Education 3 Credit hours
A seminar covering research and discussion of technical innovations, new and experimental curricular developments, trends in state and federal legislations and guidelines.

M

MAT 520 Number Theory 3 Credit hours
An exploration of different kinds of numbers and their relationships. Topics may include modular arithmetic, prime numbers, divisibility theorems, Diophantine equations, congruences, Fermat's Little Theorem, quadratic reciprocity, continued fractions, and cryptography.
Dual-listed: MAT 420

MAT 530 Seminar in Abstract Algebra 3 Credit hours
Integral domains, fields, polynomial rings over a field. The mathematical similarity between the ring of integers and the ring of polynomials as well as the study of extension fields.

MAT 535 History of Mathematics 3 Credit hours
This course surveys the historical development of mathematics. Critical thinking from different perspectives will be emphasized to learn about the context of discovery of different topics. Famous problems and mathematicians will also be explored.
Dual-listed: 435

MAT 554 Seminar in Real Analysis I 3 Credit hours
This course is designed to study the theory behind calculus. The goal is to deepen the understanding of the construction of real numbers, sequences and series, limits, continuity, and convergence with an emphasis on their relation to derivatives and integrals. Participants will find much of the content relevant to concepts included in functions, sets of numbers, and properties of graphs.

MAT 555 Seminar in Real Analysis II 3 Credit hours
This course is a continuation of MAT 554 and includes topics such as infinite series and integration theory.
Prerequisite: MAT 554

MAT 610 Modern Geometry for Teachers 3 Credit hours
Euclidean geometry theory is the focus of this course with an exploration of various non-Euclidean geometries such as taxicab and hyperbolic. Connections to high school geometry are emphasized.

MAT 620 Seminar in Discrete Mathematics 3 Credit hours
This course provides a survey of topics from counting and graphs, to modeling and algorithms. Discrete mathematics provides a foundation for fields such as data structures, algorithms, logic, set theory, and number theory. Participants will find much of the content relevant to concepts included in probability, sets, and problem-solving.

MAT 645 Current Trends in Mathematics Curriculum and Teaching 3 Credit hours
This course explores current trends in mathematics education and teaching. Emphasis will be placed on learning theory, different curricular models, the teaching of mathematics, and assessment.

MAT 660 Probability and Statistics for Teachers I 3 Credit hours
Probability and statistics concepts commonly taught in high school are explored alongside the underlying theory. Topics include sampling distributions, estimation and inference for means and proportions, linear regression, analysis of count data, exploratory data analysis, and basic study design. Various software and calculators are used to analyze the data from one, two, and more samples.

MAT 661 Probability and Statistics for Teachers II 3 Credit hours
A continuation of MAT 660, including further mathematical development of confidence intervals, hypothesis tests, correlation, regression, and multivariate methods.
Prerequisite: MAT 660

MAT 682 Topics in Mathematics 3 Credit hours
Various topics in mathematics will be explored. Topics may include: topology, complex analysis, sets and logic, ring and field theory, differential geometry, and/or chaos and fractals. Students may enroll in this course more than once as long as the topic to be covered is different each time.

MUS 503 Music of the Baroque and Classical Periods 3 Credit hours
Music of the seventeenth, eighteenth, and early nineteenth centuries. Emphasis on J. S. Bach, Haydn, Mozart, and Beethoven, and on the development of the various vocal and instrumental forms of these periods.

MUS 504 Music of the Romantic Period 3 Credit hours
A study of music of the Romantic period, from Beethoven up to the 20th century. Developments in chamber music, opera, and symphonic music will be studied with accompanying representative works.

MUS 505 Music of the 20th Century 3 Credit hours
A study of music of the 20th Century. Representative works of chamber music, vocal, instrumental, opera, symphony, and non-traditional forms.

MUS 515 Choral Literature and Materials 3 Credit hours
A survey of literature and materials for choirs and vocal ensembles.

MUS 516 Instrumental Literature and Materials 3 Credit hours
A survey of literature and materials for instrumental ensembles and bands and orchestras.

MUS 524 Piano Pedagogy 3 Credit hours
The study of teaching techniques and solo literature for the piano.

MUS 544 Topics in Music Pedagogy and Literature 2 Credit hours
The study of teaching techniques and literature in instrumental and vocal performance. The performance area will depend on needs and interests of students and will be in one of the following areas: voice, keyboard, woodwinds, brass, percussion, or strings.
Dual-listed: MUS 444
Notes: May be repeated for up to 6 credit hours with no content duplication.

MUS 601 Advanced Choral Conducting 3 Credit hours
Advanced study of techniques required for conducting vocal ensembles and choirs. Includes rehearsal management and music interpretation.

MUS 602 Advanced Instrumental Conducting 3 Credit hours
Advanced study of techniques required for conducting instrumental ensembles and bands and orchestras. Includes rehearsal management and musical interpretation.

MUS 603 Instructional Practices in Music Education 3 Credit hours
Study of historical, philosophical, and social foundations of music education, including creating and assessing curricula in accordance with state and national standards. Current trends and pedagogy in music education will be studied as well as the development of skills and techniques related to music instruction.

MUS 610 Analytical Techniques for Tonal Music 3 Credit hours
Development and expansion of analytical approaches learned in the undergraduate theory curriculum through score study of representative works from the common-practice period. Students will synthesize the essential concepts of music theory through systematic and empirical investigation into the compositional procedures of selected choral and instrumental masterworks from the tonal repertoire.

MUS 653 Piano Lessons 2 Credit hours
Class fee: $20

MUS 655 Voice Lessons 2 Credit hours
Class fee: $20

MUS 657 Brass Lessons 2 Credit hours
Class fee: $20

MUS 659 Woodwind Lessons 2 Credit hours
Class fee: $20

MUS 661 Strings Lessons 2 Credit hours
Class fee: $20

MUS 663 Percussion Lessons 2 Credit hours
Class fee: $20

MUS 665 Master's Recital 2 Credit hours
The recital will consist of at least 60 minutes of music.
Class fee: $20

N

NAT 521 Scientific Communication 3 Credit hours
Analysis of common English words and technical terms in biology, chemistry, geology, and medicine that have derivation from Latin and Greek. Students will complete their own lexicon and give a formal class presentation.

NAT 558 Field Studies in Natural History 3 Credit hours
On-site study of the geology, ecology, flora, and fauna of a selected site.

NAT 600 Current Science Topics 1 Credit hour
Notes: Can be repeated up to 4 credit hours.

P

PED 500 Exercise and Clinical Populations 3 Credit hours
This course provides the student with knowledge and skills for developing and supervising safe and effective evidence-based health and rehabilitative exercise for patients and clients with cardiovascular, pulmonary, metabolic, and other clinical co-morbidities. The student will gain knowledge in the pathophysiology and pharmacology of common non-communicable diseases, with an understanding of the evidence-based exercise prescription for these clinical populations. Skills will include blood pressure measurement and ECG rhythm interpretation.
Dual-listed: PED 400

PED 507 Motor Perception and Adaptives for Special Populations 3 Credit hours
The study of the processes identification, evaluation, and remediation of the children with mild to moderate structural, developmental and perceptual motor problems. Also designed to study techniques in adapting health and physical education curriculum needs of special populations.
Dual-listed: PED 407

PED 556 Lower Extremity Evaluation 3 Credit hours
This course provides an introduction to orthopedic injuries and the orthopedic injury examination process for the lower extremity. The course will include injury nomenclature as well as clinical anatomy, knowledge and hands-on skills for the injury examination process, and injury management.
Dual-listed: PED 456

PED 557 Upper Extremity Evaluation 3 Credit hours
This course provides an introduction to orthopedic injuries and the orthopedic injury examination process for the upper extremity and trunk. The course will include injury nomenclature as well as clinical anatomy, knowledge and hands-on skills for the injury examination process and injury management.
Dual-listed: PED 457

PED 558 Rehabilitation of Musculoskeletal Injuries 3 Credit hours
An introduction to musculoskeletal injury rehabilitation. This course will address basic rehabilitation concepts as well as a variety of techniques and applications.
Dual-listed: PED 458

PED 570 Fitness Evaluation and Assessment 3 Credit hours
An introduction to the techniques of evaluation and assessment of human needs, interests, and performance in the wellness field.
Dual-listed: PED 470

PED 571 Tests and Measurements 3 Credit hours
A study of tests used to determine motor ability, motor capacity, cardiovascular endurance, and body mechanics. Test diagnosis and construction; interpreting and using test results.
Dual-listed: PED 471

PED 589 Fieldwork in Sport Management 1-6 Credit hours
A supervised field-based experience to familiarize the student with the conditions, practices, and environmental settings where the aspired vocational roles are conducted. Students, with the help of their advisor, must find an internship site. The site must be approved by the student's advisor and course instructor.
Dual-listed: PED 489

PED 605 The Economy of Sport 3 Credit hours

Examines how sport business leaders give attention to the application of the financial methods and procedures necessary to be successful within the business of intercollegiate, Olympic, and professional sport. Focus is on understanding the development and management of ownership, league structure, media licensed sport merchandise, athletic compensation, niche sports, gender equity/reform, diversity, ethics, and ticket and concession sales. Examines financial challenges related to current and future sources of revenue for the sport enterprise.

PED 607 Exercise and Nutrition 3 Credit hours

This course will address nutritional training plans and foundational nutritional principles associated with sport and exercise.

PED 610 Legal Aspects of Sport 3 Credit hours

This course explores the legal principles and rules of law affecting the administration of recreation, sports and athletic programs. Emphasis on risk management theory, safety principles, insurance concepts, and liability issues. Litigation trends identified and procedures outlined to minimize legal risks.

PED 612 Advanced Sport Marketing and Promotion 3 Credit hours

Examination of the concepts and principles of marketing and promotion as applied to the unique aspects of sport within intercollegiate athletics, professional sport, and global opportunities that exist. Marketing and promotional topics include strategies, decision making, marketing mix, and implementation/control of the sport marketing process. Students develop marketing and promotional strategies that can be applied to real-life sport opportunities.

PED 614 Advanced Exercise Physiology 3 Credit hours

The advanced study of the physiological adaptations encountered by the human body as it reacts to exercise, physical training, and conditioning. This course will emphasize application of the acute and chronic effects of exercise and training to a variety of settings to include strength and conditioning as well as the field of health and wellness.

PED 615 Advanced Clinical Exercise Physiology 3 Credit hours

The study of the physiological principles and clinical applications associated with a wide range of diseases and disabilities. Topics will include advanced study and application of exercise physiology and cardiovascular, metabolic, and musculoskeletal disorders. Specific topics may vary according to student interests and background.
Prerequisite: PED 305 or PED 551, and PED 500.

PED 617 Management in Human Performance and Wellness 3 Credit hours

Students will gain knowledge regarding a variety of management theories, techniques, issues, and trends applicable to human performance professionals. Topics such marketing, ethics, public relations, legal issues, curriculum, budgets and facilities, time management, and technology are addressed.

PED 622 Statistical Applications and Data Analysis 3 Credit hours

A course in statistics designed to provide and introduction to statistical measures. Application to research problems in various disciplines will be emphasized. Computer applications using common statistical software will be utilized to analyze data sets. Statistical Applications and Data Analysis has a variable prefix.

PED 627 Training Special Populations 3 Credit hours

This course provides information on exercise for special populations, which are groups of individuals who exhibit medical conditions (such as obesity, cardiovascular, or respiratory disease) or are in life stages (such as children, pregnant women, and the elderly) where health and functional ability is altered or impaired. This course will examine anatomical and physiological changes, precautions during exercise, benefits of exercise, recommendations for exercise, and nutritional considerations for special populations that clinician, practitioner, or personal trainer would commonly encounter. The course content includes knowledge, skills, and abilities related to the NSCA's Certified Special Populations Specialist certification and other leading certifications of strength training and conditioning.

PED 631 Seminar in Sport Management 3 Credit hours

This course will cover the following topics: sport ethics, sport journalism, sport accounting and practices, sport management computer applications, personal selling, funding strategies, public and media relations.

PED 650 Research Design 3 Credit hours

A course designed to develop knowledge of research, research skills and practical utilization of research information. Graduate students will be expected to use technology effectively and efficiently for any of the following purposes: to conduct literature reviews, to formulate research problems, to develop proposals, to participate in active research problems, and/or to understand and apply basic research tools of both quantitative and qualitative analyses. Research Design has a variable prefix.

PED 653 Program Management and the Transition of Sport 3 Credit hours

This course examines how managing relationships can become more important than performing tasks as managers of sport. This examination includes but is not limited to: building business strategies/organizational structure, customer/customer service, branding, employee relations, building alliances, crisis management, globalization, repositioning business, leadership. The course addresses contemporary problems and issues that are sport specific.

PED 655 Functional Movement Assessment 3 Credit hours

Students will complete the online Functional Movement Screen (FMS) Level 1 certification. Then students will explore current research examining the Functional Movement Screen as well as other methods of functional movement assessment. This course may be used as partial fulfillment of Scholarly Project requirement in the MSOM-Human Performance and Wellness Management program.
Class fee: $150

PED 657 Advanced Strength and Conditioning 3 Credit hours
The course is a comprehensive study of strength training and conditioning for athletic or elite physical performance. Emphasis is given to the following areas of strength training and conditioning: 1) scientific principles, 2) testing and evaluation, 3) practical demonstration and instruction of exercise techniques and prescription, 4) program design, 5) facility organization and administration. The course content includes knowledge, skills, and abilities related to the NSCA's Certified Strength and Conditioning Specialist certification and other leading certifications of strength training and conditioning.

PED 660 Periodization in Strength and Conditioning 3 Credit hours
This course will examine the foundational science and practical applications of common periodization models as well as associated programming strategies utilized in the field of strength and conditioning. Completing an undergraduate or graduate foundational course in the principles of strength and conditioning prior to taking this course is recommended.

PED 664 Sport Event and Facility Management 3 Credit hours
This course is a study of the principles, guidelines, and recommendations for planning, construction, use of, maintenance and management of sports facilities and the various events conducted in them.

PED 671 Recent Literature and Research in Education and HHPS 3 Credit hours
Review of pertinent literature in selected areas to include topics in education, physical education, exercise science, sport management, and other relevant disciplines.

PED 672 Advanced Laboratory Practicum 3 Credit hours
A course designed to develop exercise science laboratory skills for graduate students with the objective to expand student skill in exercise testing, fitness assessment, exercise prescription and experimental exercise science. Students will be assigned to assist with existing courses that have a laboratory component to provide them with time to develop laboratory skills.
Prerequisite: PED 570

PED 682 Optimizing Athletic Performance 3 Credit hours
The course is a study of theoretical concepts and applications of activities for sport performance enhancement from various areas of sport science. Performance testing, evaluation and training, and psychology will be explored for the purpose of development of the athlete/individual/ and or team to optimum performance potential.

PED 685 Social Issues in Sport 3 Credit hours
This course is designed to examine the various ways issues such as politics, economics, education, the mass media, gender, race, and financial compensation intertwine with sport in the United States.

PED 694 Focus Area Exit Benchmark 0 Credit hours
This course requires students to demonstrate or report their level of achievement of the student learning objectives developed for either the Master of Science in Organizational Management Human Performance and Wellness Management focus or the Sport and Recreation Management focus. Various measures such as surveys, comprehensive exams and/or capstone papers or projects will be use to gather student data. Completion of this course is a graduation requirement.
Prerequisite: Final semester prior to graduation.
Notes: Graded S/NC

PHY 611 Contemporary Physics for Teachers I 3 Credit hours
Selected topics from physics with emphasis on Newtonian mechanics, wave motion, heat, energy, and harmonic motion. Lab will emphasize the use of computers.
Notes: Lecture and lab combined

PHY 661 Contemporary Physics for Teachers II 2 Credit hours
Selected topics from physics with emphasis on electricity, magnetism, light, and physics of the atom.
Notes: Lecture and lab combined

POS 500 Seminar in Political Science 3 Credit hours
Reading and discussion of selected topics in political science.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

POS 502 State and Local Politics 3 Credit hours
The study of the political institutions and process at state and local levels.
Dual-listed: POS 402

POS 510 Public Policy Analysis and Program Evaluation 3 Credit hours
Public policy analysis consists of systematically exploring alternatives to defined public policy problems. Program evaluation consists of post hoc examination of the process and impact of public policy. This course is an introduction to the basic concepts and practice of public policy and program evaluation. Students will learn qualitative and quantitative methodological skills used in these processes and employ these skills in research.
Dual-listed: POS 410

POS 530 Public Policy 3 Credit hours
The study of domestic policy making processes and institutions at all levels, taught from an intergovernmental relations perspective.
Dual-listed: POS 430

POS 545 Public Administration and Management 3 Credit hours
Concepts of public administration and management processes, introduction to administrative processes of personnel, budgeting, and program management; analysis of public bureaucracy's function from a public policy perspective.
Dual-listed: POS 445

PSY 502 Learning 3 Credit hours

A study of the principles, theories and research on learning and behavior. The course will emphasize basic principles of learning and real world examples and applications of them. Topics include habituation, classical conditioning, reinforcement, punishment, stimulus control of behavior, biological constraints on learning, and animal memory and cognition.
Dual-listed: PSY 402

PSY 503 Cognitive Psychology 3 Credit hours

This course is organized around the information-processing framework of human cognition. The purpose of the class is to introduce substantive fundamental issues in human cognition, learning and memory. Selected experiments and their implications for conceptual issues will be discussed in depth in order to draw their direct pertinence to and potential impact upon human affairs.
Dual-listed: PSY 403

PSY 506 Death and Dying 3 Credit hours

This course examines various causes of death (including "natural causes," AIDS, suicide, violent deaths), dying with dignity, and our attitudes about death, rituals, and grief processes.
Dual-listed: PSY 406

PSY 508 Forensic Psychology 3 Credit hours

Forensic Psychology is any application of psychological knowledge to issues within the legal system. Topics include psychological profiling, psychological autopsies, lie detection, insanity and competency, violence, eyewitness identification, and law enforcement selection and training.
Dual-listed: PSY 408

PSY 510 Psychology of Small Group Behavior 3 Credit hours

This course provides a critical overview of theory and research on small groups. Cohesiveness, conformity, power, inter-group and intra-group conflict and cooperation are studied. Students will observe and participate in small group processes.
Dual-listed: PSY 410

PSY 515 Human Sexuality 3 Credit hours

Human sexuality is examined from a multicultural perspective to include the historical, biological, psychological, cultural, and sociological viewpoints.
Dual-listed: PSY 415

PSY 530 Positive Psychology 3 Credit hours

The study of positive human functioning, including human strengths, assets, and resilience that maximize mental health.
Dual-listed: PSY 430

PSY 535 Industrial/Organizational Psychology 3 Credit hours

A study of the application of the methods, facts, and principles of psychology to people at work. Research in Industrial-Organizational Psychology includes an examination of job analysis and evaluation, selection, training and performance appraisal of personnel, the structure and context of organizations, organizational culture, organizational change, career development, motivation, job satisfaction, and team dynamics from a psychological perspective. Students will also examine the impact of factors such as increasing government influence, technology improvements, shifting economic conditions and the changing nature of the workforce on industry. This area of psychology will be shown to have a direct impact on business, industry, labor, public, academic, community and health organizations.

Dual-listed: PSY 435

PSY 540 Psychopharmacology 3 Credit hours

A study of the physical changes and psychological effects that drugs have on the brain and nervous system. Topics will include the basic organization and function of the brain and nervous systems and a history of the use of drugs. The course will emphasize how the functions of the brain are altered by the use of drugs, from both illegal and prescription uses. An overview of the mental disorders for which drugs are prescribed, and the mental disorders that result from drug use is included.

Dual-listed: PSY 440

PSY 544 Topics in Psychology 3 Credit hours

Current or special issues in Psychology will be examined. The course offers students the opportunity to discuss relevant issues facing society.

Dual-listed: PSY 444

Notes: This course may be repeated, by advisement, with different topics.

PSY 550 Abnormal Psychology 3 Credit hours

Approaches to the assessment and treatment of emotional, social, psychotic, organic, and development disorders are examined.

Dual-listed: PSY 450

PSY 560 Physiological Psychology 3 Credit hours

Course work will focus on the relationship between the nervous system and behavior. Theories of interactions between the brain and behavior, the research methods and results of such studies, and the implications of the findings will be examined.

Dual-listed: PSY 460

PSY 570 History and Systems 3 Credit hours

A study of the ideas and contributions of individuals who influenced the development of psychology as a science. Topics include important theories and schools of thought on which psychology is based.

Dual-listed: PSY 470

PSY 600 Studies in Psychology 3 Credit hours

The study and analysis of selected of selected topics in the field of psychology. The course will emphasize both content and general research approaches to the topic.

Notes: Content and title will vary. This course may be repeated if topic and title are different.

S

SOC 500 Topics in Sociology 3 Credit hours
Reading and discussion of selected topics in sociology.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

SOC 510 Topics in Anthropology 3 Credit hours
Reading and discussion of selected topics in anthropology.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

SOC 515 The Family 3 Credit hours
Study of the basic social unit: socialization processes, love, marriage, parental roles, conflict, and divorce, within a historical and cultural perspective.
Dual-listed: SOC 415

SOC 560 Social Inequalities 3 Credit hours
The course explores the development and maintenance of systems social stratification historically and in contemporary global society. It focuses on the effects of social class inequality and relationship to social change. In doing so, it also includes the intersection of inequalities based on race/ethnicity, gender, and age.
Dual-listed: SOC 460

SOC 580 Social Theory 3 Credit hours
A survey of the major theorists and modern theoretical perspectives in sociology.
Dual-listed: SOC 480

SOC 600 Studies in Sociology 3 Credit hours
The study and analysis of selected topics in the fields of sociology.
Notes: Content and title will vary. This course may be repeated if topic and title are different.

SPA 540 Special Topics 2-3 Credit hours
Detailed study of a particular aspect of the language, an author, movement, genre, historical period, or topic of general relevance in the Spanish cultures.
Dual-listed: SPA 440
Notes: This course may be repeated once at each level covering a different topic with instructor approval.

SPD 510 Introduction to High Ability Learners 3 Credit hours
An introduction to the characteristics and education of high ability learners. Candidates will understand the cognitive, social, emotional, and physical characteristics of high ability learners along with their unique learning needs. Topics will include a history of gifted education, conceptual frameworks, gifted standards, methods of identification, programming options, twice-exceptionality, second language, underachievement, best practices, and family involvement.

SPD 520 Best Practices in Special Education Methods 3 Credit hours
Various instructional methods and evidence-based teaching strategies, for content courses, that have been used successfully in supporting students with disabilities in the least restrictive environment. In addition, inclusive teaching methods will focus on curriculum lesson planning, development of IEPs, selection of instructional methods and materials, and Universal Design for Learning (UDL).

SPD 522 Teaching Exceptional Learners in Inclusive Classrooms 3 Credit hours
Explore applications of methods and techniques of strategies for exceptional learners within K-12 settings providing equitable learning opportunities within least restrictive environments. In addition, multi-tiered support systems (MTSS), Universal Design of Learning (UDL), and assistive technology (AT) will be examined.

SPD 540 Program Design in Special Education 3 Credit hours
A foundation course examining techniques, curriculum, and programming that exemplify the role of special education in inclusive settings. Exploring instruction and the relationship to data-informed decision-making in special education programming. This course is intended for current teachers not holding a special education certification.

SPD 545 Assessment Guiding IEP Development 3 Credit hours
Exploring multiple methods of assessment and data-sources in making educational decisions for Individual Education Plan (IEP) development in a variety of instructional settings. Examining the process for qualification of special education services including determining how to limit bias in choice of assessment instruments, process of administering assessments, and sharing results of assessments with colleagues, families, and learners in a culturally responsive manner.

SPD 561 Practicum in Special Education 3 Credit hours
Practical application of knowledge, skills, and dispositions acquired through prior coursework. Enable learners to demonstrate the state and national performance and practice-based standards through 100 supervised hours of field experience.
Dual-listed: SPD 461

SPD 565 Differentiated Methodology 3 Credit hours
Differentiate lesson planning, instruction, and assessments to create learning opportunities for diverse learners focusing on engagement and critical thinking. Incorporate the use of evidence-based strategies to develop self-regulation and motivation leading to increased learner achievement.

SPD 600 Supporting the Social, Emotional, and Guidance Needs of the High Ability Learners 3 Credit hours
Candidates will explore research on the social and emotional needs of high ability learners. Topics will include characteristics, theories, gender differences, perfectionism, peer relationships, identity development, talent development, and practical implications for the classroom. Current issues related to their career guidance will also be addressed.

SPD 605 Identification and Assessment of High Ability Learners 3 Credit hours

This course will explore issues associated with building an effective identification system for high ability learners. Candidates will understand and apply quantitative and qualitative assessment tools for identification of high ability learners in elementary and secondary settings. Topics will include comparing validity of assessment measures, domain specific, curriculum-based, performance-based, and learning progress assessments. Candidates will be introduced to tools to assess high ability programs as well as district model case studies to examine.

SPD 611 Organization and Administration of Special Education 3 Credit hours

Introduction to administrative procedures of special services. Emphasis on Nebraska and national laws governing special education. Processes of planning and implementing student programs as well as maintaining student records, identifying, selecting and using local and state resources for operating the special education program are studied.

SPD 612 Curriculum Design and Methods for High Ability Learners 3 Credit hours

Candidates will learn how to design cognitively complex learning experiences for high ability learners across grade levels based on their unique developmental characteristics to meet both cognitive and affective needs. Instructional methods, models, and materials will be presented. Candidates will create lesson plans to enhance creativity and critical thinking skills. The concepts of incorporating career, ethical, multicultural, and service-learning opportunities into instruction as well as differentiation, acceleration, enrichment, compacting, grouping, mentoring/shadowing, affective curriculum, and specialized counseling are addressed.

SPD 622 Program Design for High Ability Learners 3 Credit hours

This course will focus on design, implementation, and evaluation of comprehensive, high-quality programs for high ability learners in K-12 settings, including developing local district policies. Topics will include identifying adequate funding, identifying and developing qualified personnel, organizing advocacy efforts, evaluating and selecting materials, collaborating with stakeholders, and communicating the legal and professional issues in the field. A focus on the evaluation of program effectiveness in meeting program intended goals, including being able to use formative and summative evaluation strategies for substantive program improvement and development to meet the needs and interests of diverse groups will be addressed.

SPD 630 History and Characteristics of Exceptionalities 3 Credit hours

The historical development of the education of students with exceptional education needs, recognizing the characteristics of both high and low incidence disability categories. An emphasis is placed on the acceptance and/or exclusion of students with exceptionalities within family, community, vocational, and school environments.

SPD 633 Practicum in High Ability Learners 3 Credit hours

The course is a 90-hour supervised practicum designed to provide candidates the opportunity to teach high ability learners in both elementary and secondary levels. Candidates will plan, develop, implement, and evaluate cognitively complex learning experiences for high ability learners. They will collaborate, design, and deliver tiered staff development. Candidates will be expected to implement the knowledge and skills from their prior coursework.

SPD 636 Social/Emotional Behavior 3 Credit hours

Develop prosocial classroom culture, climate and community using evidence-based behavior management strategies. Collaboratively problem solving within multi-tiered systems of support (MTSS), functional behavior assessment (FBA), and behavior intervention plan (BIP) processes. Using positive behavioral interventions and supports (PBIS) to develop culturally responsive learning environments which address the influence of family values, social and environmental factors.

SPD 652 Collaboration and Co-Teaching 3 Credit hours

Effective techniques of working with parents, educators, paraprofessionals, related service providers, agencies and other professional personnel. A strong emphasis will be placed on the various models of co-teaching, forming co-teaching partnerships, and planning within a co-taught environment.

SPD 658 Clinical Practice for Special Education K-6 6 Credit hours

This is a semester course of full day learning experiences in an elementary school under the supervision of a cooperating K-6 special educator and a supervisor from the School of Education and Behavioral Sciences. This is the culminating experience of the elementary special education initial licensure preparation program at the graduate level.
Prerequisite: Acceptance to Clinical Practice.
Notes: Graded S/NC

SPD 660 Clinical Practice Special Education 7-12 6 Credit hours

This is a semester course of full day learning experiences in a secondary school under the supervision of a cooperating 7-12 special educator and a supervisor from the School of Education and Behavioral Sciences. This is the culminating experience of the secondary special education initial licensure preparation program at the graduate level.
Prerequisite: Acceptance to Clinical Practice.
Notes: Graded S/NC

SPD 690 Internship in Special Education Supervision PK-12 3 Credit hours

A one semester experience and study concerning special education administrative functions in selected PK-12 school settings. Arranged cooperatively with public/private schools and Wayne State College. Course objectives prescribed in SPD syllabus include 70 internship hours.

Administration and Faculty

Administration

Administrators Only (President, Vice Presidents, Assistant and Associate Vice Presidents, Deans, Directors, Associate Directors, Registrar and Comptroller)

Nebraska State College System

Mr. John Chaney, Chair (Term expires 1/1/25) ..... Omaha
Mr. Robert Engles, Vice Chair (Term expires 1/1/25) ..... Auburn
Mr. Carter "Cap" Peterson (Term expires 1/1/29) ..... Wayne
Mr. Danny Reynaga (Term Expires 1/1/29) ..... Mitchell
Mrs. Marjean Terrell (Term expires 1/1/27) ..... Hay Springs
Mr. Jess Zeiss, (Term expires 1/1/27) ..... Omaha
Dr. Brian Maher, Commissioner of Education (Ex-officio) ..... Lincoln
Dr. Paul Turman, Chancellor ..... Lincoln
The Honorable Jim Pillen, Governor of Nebraska ..... Lincoln

Executive

Marysz Rames ..... President
Ed.D., University of South Dakota

Academic Affairs

John Miller ..... Interim Vice President for Academic Affairs
Ed.D., University of Idaho
Ciera Afrank ..... Director of Counseling Services
MSE, Wayne State College
Jeannette Barry ..... Director of Institutional Research
MBA, Wayne State College
Benjamin Benton ..... Director of Nebraska Business Development Center
MBA, John Brown University
David A. Bohnert ..... Dean/Arts and Humanities
DMA, University of Missouri-Kansas City
Michele Gill ..... Director for Faculty Development and Innovation
Ph.D., University of Nebraska-Lincoln
David Graber ..... Library Director
MLS, Indiana University
Janet Greder ..... Director of Holland Academic Success Center
M.S., University of Nebraska-Omaha
Brook Jech ..... Director of Education Services
MBA, Wayne State College
Christian Legler ..... Interim Dean/Education and Behavioral Sciences
Ph.D., University of Florida
Ronald Loggins ..... Dean/Science, Health, and Criminal Justice
Ph.D., University of North Dakota

Lisa Nelson .....Director of Service Learning
MSE, Wayne State College
Gerard J. Ras..... Dean/Business and Technology
Ph.D., University of Nebraska-Lincoln
John Vinchattle.....Assistant to the Vice President for Academic Affairs
M.S., University of Nebraska-Omaha
Rebeka Wilson..... Registrar
MSOM, Wayne State College
Vacant.....Associate Vice President for Academic Affairs

Administration and Finance

Angela Fredrickson..... Vice President for Administration and Finance
MBA, Wayne State College
Terri Buck.....Director of Student Accounts
A.A., Northeast Community College
Mitch DeBoer ..... Associate Vice President for Administration and Finance
MBA, Wayne State College
Tina Munter .....Director of Budget
MBA, Wayne State College
Kyle Nelsen.....Director of Facility Services
B.S., Wayne State College
Jeremy Rasmussen .....Comptroller
M.B.A., Wayne State College
Candace Timmerman .....Director of Human Resources
MBA, Wayne State College
Morgan Woodward ..... Assistant to the Vice President for Administration and Finance
B.S., University of South Dakota
Kaye Young .....Director of Accounting
B.S., Wayne State College

Student Affairs

C.D. Douglas .....Vice President for Student Affairs
M.S., South Dakota State University
Heidi Acton..... Director of Residence Life
M.S., Illinois State University
Alicia Dorcey McIntosh .....Associate Vice President for Student Affairs
MSE, Wayne State College
Thom Osnes .....Associate Director for Housing Operations
B.S., Wayne State College
Liesel Powicki .....Director of TRIO Student Support Services
Ph.D., Concordia University
Abby Schuck ..... Associate Director for Residence Education and Staff Development
M.Ed., Iowa State University
Cody Westerhold.....Dean of Students
MSE, Fort Hays State University

Amy White .....Director of Student Activities
MSE, Wayne State College
Vacant..... Director for Student Cultural Engagement

Enrollment Management

Kevin Halle..... Vice President for Enrollment Management
MSE, Wayne State College
Amy Gade .....Director of Admissions
MLS, Fort Hays State University
Britany Hart .....Director of Financial Aid
B.S., Wayne State College
Korri Risinger..... Associate Director of Financial Aid
B.S., Wayne State College

Athletics

Mike Powicki .....Athletic Director
M.S., University of Wisconsin-LaCrosse
Linda Anderson ..... Associate Athletic Director/Internal Affairs
M.S., Bemidji State University
Mike Barry..... Director of Sports and Recreation Facilities/Associate Athletic Director
MSE, Chadron State College
Mike Grosz.....Sports Information Director
Certificate of Broadcasting, Brown Institute of Broadcasting

Cooperative Education and Industry

Tim Krupicka..... Director of Workforce and Community Education
Ed.S., University of Nebraska-Kearney
Tracy Lungrin ..... Director of Workforce and Career Services
MSE, University of Nebraska-Kearney
Vacant.....Executive Director of Cooperative Education and Industry Liaison

College Relations

Jay Collier ..... Director of College Relations
M.A., Colorado State University

Strategic Initiatives

Janet Lebeda .....Director of Strategic Initiatives and Special Projects
Ed.D., University of Wyoming
Ryan Johnson .....Director of Continuing Education and Outreach
MBA, Western Governors University

Department Chairs

See credentials in Faculty Section.
Erin E. Arneson.....Department Chair/Technology and Applied Science

Randy J. Bertolas.....Department Chair/History, Politics and Geography
Alison M. Boughn..... Department Chair/Counseling
Douglas P. Christensen ..... Department Chair/Life Sciences
Kristi R. Fox.....Department Chair/Health, Human Performance and Sport
Timothy P. Garvin ..... Department Chair/Computer Technology and Information Systems
Jason L. Karsky.....Department Chair/Criminal Justice
Michelle E. Laughlin .....Department Chair/Business and Economics
Sarah E. Lemmon ..... Department Chair/Art and Design
Allyn M. Lueders .....Department Chair/Communication Arts
Stephanie A. Marcellus .....Department Chair/Language and Literature
Angela Miller-Niles..... Department Chair/Music
Alexander J. Mitchell.....Department Chair/Physical Sciences and Math
Jeff S. Shelton.....Department Chair/Psychology and Sociology
Kimberly K. Snyder ..... Department Chair/Educational Foundations and Leadership

Faculty

Year indicates first year at Wayne State College.

Darius Agoumba..... Professor, Chemistry
Ph.D., University of Alabama. 2004

Sean X. Ahern..... Associate Professor, Communication Arts
Ph.D., University of Buffalo. 2020

Carolyn A. Albracht ..... Associate Professor, Art
Ph.D., University of Nebraska-Lincoln. 2015

Lídice Alemán..... Professor, Spanish
Ph.D., Washington University. 2015

Jeffrey C. Allen..... Professor, Industrial Technology
Ed.D., West Virginia University. 2015

Matthew A. Armstrong .....Associate Professor, Music
DMA, University of Nebraska-Lincoln. 2016

Erin E. Arneson.....Assistant Professor, Industrial Technology
Ph.D., University of Colorado. 2024

Marianna Baykina ..... Assistant Professor, Psychology
Ph.D., Texas Tech University. 2023

Brian P. Begley..... Associate Professor, Communication Arts
MFA, University of South Dakota. 2016

Randy J. Bertolas..... Professor, Geography
Ph.D., State University of New York- Buffalo. 1995

Joe Blankenau .....Professor, Political Science
Ph.D., University of Nebraska-Lincoln. 1997

David A. Bohnert.....Professor, Music
DMA, University of Missouri-Kansas City. 1997

Alison M. Boughn.....Associate Professor, Counseling
Ph.D., University of South Dakota. 2019

Alan S. Bruflat..... Professor, Spanish
Ph.D., University of Kansas. 1990

Brett A. Cagg ..... Associate Professor, Chemistry
Ph.D. University of South Carolina. 2022

Josh R. Calkin ..... Professor, Music
DMA, University of Iowa. 2007

Chad M. Christensen ..... Professor, English
MFA, University of Nebraska-Omaha. 2013

Douglas P. Christensen ..... Professor, Biology
Ph.D., University of Nebraska-Lincoln. 1998

Matthew T. Clegg ..... Lecturer, Music
DMA, University of Nebraska-Lincoln. 2022

Robert E. Colvard ..... Professor, History
Ph.D., University of Iowa. 2013

Rodney W. Cupp ..... Professor, Philosophy
Ph.D., University of Nebraska-Lincoln. 2006

Molly A. Curnyn ..... Professor, Computer Technology
Ed.D., University of South Dakota. 2008

Adam N. Davis ..... Professor, Physics
Ph.D., Case Western Reserve University. 2008

Buffany DeBoer ..... Instructor, Biology
MSE, Wayne State College. 2004

Melissa J. Derechailo ..... Instructor, Music
DMA, University of Missouri. 2023

Laura L. Dendinger ..... Professor, Business
J.D., University of Nebraska-Lincoln. 1999

Jean M. Dorcey ..... Instructor, Special Education
MSE, Wayne State College. 2020

David Z. Drees ..... Assistant Professor, English
MFA, University of Nebraska-Omaha. 2021

Jason E. Eden ..... Assistant Professor, History
Ph.D., University of Minnesota-Twin Cities. 2023

Barbara J. Engebretsen ..... Professor, HHPS
Ph.D., Colorado State University. 1995

Carol J. Erwin ..... Professor, Education
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