

Chadron State College

2014-2015 Undergraduate Catalog



www.csc.edu

2014/2015 UNDERGRADUATE CATALOG



CHADRON STATE COLLEGE

Chadron, Nebraska

A member of the Nebraska State College System



All qualified applicants for admission or employment will receive consideration without regard to age, race, marital status, gender, religion, national origin, or disability. No person attending Chadron State College shall on grounds of age, race, marital status, gender, religion, national origin, or disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity. The college is an affirmative action/equal opportunity employer.

This catalog is an official publication of Chadron State College and is intended to provide general information. Although the policies, procedures, and descriptions are current and accurate at the time of publication, the college and the Nebraska State College System Board of Trustees reserve the right to make changes at any time to facilitate the delivery of high-quality educational services. The information in this catalog, therefore, is subject to change and does not constitute a contract between the college and any other party. Students are responsible for adhering to regulations and completing requirements for their program of study.

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[DIRECTORY](#)

<http://www.csc.edu/directory/index.csc>

[STUDENT INFORMATION CALENDAR](#)

<https://www.csc.edu/academics/calendar/index.csc>

(Chadron State College reserves the right to make necessary changes in the calendar.)

[CHADRON STATE COLLEGE](#)

<https://www.csc.edu/about/>

PROGRAM AUTHORIZATION AND INSTITUTIONAL ACCREDITATION

Chadron State College is authorized by the Nebraska Legislature to offer undergraduate programs and master's level degrees. Continuation and development of applied research and public services activities are additional legislatively-mandated priorities.

Chadron State College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools (800-621-7440; www.ncahlc.org) to confer residential and online Baccalaureate degrees, the Master of Education degree, the Master of Arts in Education degree, the Master of Business in Administration degree, and the Master of Science in Organizational Management degree. Chadron State College is also accredited by the National Council for the Accreditation of Teacher Education, the Council on Social Work Education, and the Accreditation Council for Business Schools and Programs.



The Standard of Excellence
in Teacher Preparation

Education

National Council for Accreditation of Teacher Education advances excellence in educator preparation through evidence-based accreditation that assures quality and supports continuous improvement to strengthen P-12 student learning. NCATE and the TEAC/NCATE consolidation into Council for the Accreditation of Educator Preparation is recognized by the Council for Higher Education Accreditation (CHEA).



Social work

The Council on Social Work Education (CSWE) is a nonprofit national association. The Association's Commission of Accreditation is responsible for developing accreditation standards that define competent preparation and ensuring that social work programs meet them. CSWE is recognized by the Council for Higher Education Accreditation (CHEA).



Business

Accreditation Council for Business Schools and Programs (ACBSP) accredits business, accounting, and business-related programs at the associate, baccalaureate, master, and doctorate degree levels worldwide. Recognized by the Council for Higher Education Accreditation (CHEA)

GOVERNANCE AND ORGANIZATIONAL STRUCTURE

Chadron State College is governed by the Board of Trustees of the Nebraska State Colleges. The Nebraska State College System (NSCS) is comprised of the three regional, comprehensive institutions of Chadron State College, Peru State College, and Wayne State College.

Twelve academic departments are located within the three Academic Schools listed below with their associated Academic Deans:

SCHOOL OF LIBERAL ARTS (DEAN OF ESSENTIAL STUDIES PROGRAM)

- Communication and Social Sciences
- English and Humanities
- Justice Studies
- Music
- Visual and Performing Arts

SCHOOL OF BUSINESS, ENTREPRENEURSHIP, APPLIED AND MATHEMATICAL SCIENCES, AND SCIENCES (DEAN OF CURRICULUM AND GRADUATE STUDIES)

- Applied Sciences
- Business
- Mathematical Sciences
- Physical and Life Sciences

SCHOOL OF EDUCATION, HUMAN PERFORMANCE, COUNSELING, PSYCHOLOGY, AND SOCIAL WORK (DEAN OF ASSESSMENT AND ACCREDITATION)

- Counseling, Psychology, and Social Work
- Education
- Health, Physical Education, and Recreation

HISTORY

Chadron State College's mission has evolved from its heritage as a state normal school created primarily to prepare teachers to its present role as the only four-year college serving the western half of Nebraska, a rapidly changing and developing non-metropolitan region.

The State Board of Education selected Chadron as the site of a normal school in western Nebraska in 1910 and acquired eighty acres of land south of Chadron, including the grounds of Chadron Congregational Academy which had closed in the spring of 1910. Nebraska State Normal School at Chadron was founded in 1911.

In 1921, the State Legislature changed the institution's name to Chadron State Teacher's College. As the name suggested, the primary purpose of the institution was teacher preparation; however, the statement in the catalog suggested a slightly expanded role "to promote the educational interests of western Nebraska." The institution was granted the authority to confer the baccalaureate degree in education at this time.

In 1949, an act by the State Legislature allowed the college to grant the degree of Bachelor of Arts in arts and sciences. Students could now enroll at Chadron and pursue curricula other than teacher training. However, the college continued to define itself as primarily a teacher's college and the majority of the school's graduates were prepared for a teaching career.

In 1964, the Nebraska Legislature changed the name of the institution to Chadron State College. Since that time, the mission of the college has changed from primarily teacher education to a comprehensive institution offering liberal arts-based and pre-professional programs in a variety of disciplines.

Chadron State College has offered a Master's degree in Education since 1956. In 1984, the Master's in Business Administration was approved by the Board of Trustees. The Bachelor of Applied Sciences was approved in 2001. The Master of Science in Organizational Management was approved in 2006.

Western Nebraska is recognized as having a personality that is distinct from the eastern half of the state. As a result of location this region plays a significant role in efforts of this nation and the world to solve the needs for food and energy while preserving the natural environment and improving the living and working conditions of people in both industrialized and developing nations. Chadron State College has the mission to anticipate and be responsible to the needs for higher education in this changing locality. Chadron State College also serves a significant number of students from the surrounding states of Colorado, Wyoming, and South Dakota, responding to and continuing to evolve to address the changing needs of western Nebraska and the surrounding region.

VISION AND MISSION

VISION STATEMENT

Chadron State College aspires to be a premiere institution of higher education in the western High Plains states, innovatively pursuing excellence in teaching, scholarship and service.

MISSION STATEMENT

Chadron State College will enrich the quality of life in the region by providing educational opportunities, research, service, and programs that contribute significantly to the vitality and diversity of the region.

NONDISCRIMINATION POLICY/EQUAL EDUCATION AND EMPLOYMENT OPPORTUNITY POLICY

Chadron State College is committed to an equal opportunity program to encourage admission and employment, and to provide procedures which will assure equal treatment of all students and employees. The College administers its academic and employment programs and related supporting services in a manner which does not discriminate on the basis of gender, race, color, national origin, age, religion, disability, or marital status and that is consistent with nondiscriminatory policy including Title VII of the Civil Rights Act of 1964, as amended, Title IX of the Educational Amendments of 1972, as amended, and Sections 503 and 504 of the Rehabilitation Act of 1973. The College's written policy regarding the Americans with Disabilities Act (ADA) may be reviewed in the office of the Director of Human Resources along with the provisions of the Americans with Disabilities Act, and the rights provided.

The following people have been designated to coordinate compliance with the nondiscrimination requirements contained in Section 35.107 of the Department of Justice regulations:

- Program access - Vice President for Academic Affairs; Sparks Hall; (308) 432-6203
- Physical access - Vice President for Administration; Sparks Hall; (308) 432-6202
- Employee access - Director of Human Resources; Sparks Hall; (308) 432-6224

Equal Opportunity - <http://www.csc.edu/hr/disclaimer.csc>

Chadron State College is an equal opportunity institution. Chadron State College does not discriminate against any student, employee or applicant on the basis of race, color, national origin, sex, disability, religion, or age in employment and education opportunities, including but not limited to admission decisions. The College has designated two individuals to coordinate the College's nondiscrimination efforts to comply with regulations implementing Title VI, VII, IX, and Section 504. Reports regarding discrimination or harassment may be directed to one of the following Compliance Coordinators. In addition, inquiries regarding non-discrimination policies and practices may be directed to one of the Compliance Coordinators:

Human Resources Director
Chadron State College
1000 Main Street
Chadron, NE 69337
(308) 432-6224

Senior Executive Director, Student Affairs
Chadron State College
1000 Main Street
Chadron, NE 69337
(308) 432-6280

USE OF HUMANS AND ANIMAL PARTICIPANTS IN RESEARCH

<http://www.csc.edu/irb/index.csc>

Federal Laws require research involving human participants to be afforded protection of rights, as possible. Vertebrate animal subjects are also assured humane treatment. Research involving human or animal participants must have research procedures and protocols approved by the CSC Institutional Review Board prior to the commencement of research. The policies and procedures regarding human or animal participants apply to projects for classes, independent study, thesis or scholarly

projects, faculty- or staff-directed research or any other situation regarding human or animal participant research or study. For additional information, see: <http://www.csc.edu/irb/4/index.csc>

ADMISSIONS (ALL STUDENTS)

HOW TO APPLY TO CSC- <http://www.csc.edu/admissions/apply.csc>

GENERAL ADMISSIONS INFORMATION- <http://www.csc.edu/admissions/index.csc>

FEES

- **Matriculation Fee** – <http://www.csc.edu/admissions/index.csc>
- **New Student Orientation (NSO) Fee** - <http://www.csc.edu/readytoregister/orientation/index.csc>

FRESHMAN - <http://www.csc.edu/admissions/index.csc>

FRESHMAN INTERNATIONAL - <http://www.csc.edu/international/apply/undergrad/index.csc>

TRANSFER - <http://www.csc.edu/admissions/transfer/index.csc>

TRANSFER INTERNATIONAL - <http://www.csc.edu/international/apply/undergrad/index.csc>

RETURNING TO CSC (RE-ADMIT) - <http://www.csc.edu/admissions/index.csc>

EARLY ENTRY – www.csc.edu/admissions/dual/index.csc

TECHNOLOGY REQUIREMENTS

PERSONAL CSC STUDENT ACCOUNT (<https://mycsc.nebraska.edu/psp/mycsc/NBC/ENTP/?cmd=login>)

From your MyCSC you will be able to:

- Check your To Do list
- View your bill
- Add and drop courses
- Accept and decline financial aid
- Change your contact information
- View who your advisor is
- Check your academic requirements

How to login to MyCSC:

- Go to www.csc.edu. Under the “Current Students” tab select the MyCSC link.
- Enter your NUID and password.
- Select the “Student Dashboard” link.

EAGLEMAIL

Every student applicant is given an EagleMail account. Students’ EagleMail account is the official and only email address for all communication from CSC offices and instructors. It is strongly encouraged that students check their EagleMail account frequently and check email settings to ensure all @csc.edu addresses are received.

Students can contact the IT Help Desk by calling 308-432-6311 or emailing helpdesk@csc.edu for assistance with EagleMail username and password difficulties.

CSC ONLINE (SAKAI PLATFORM)

Each student applicant will be provided access to CSC Online (utilizing the Sakai platform) if the student is required to complete online coursework. The login information is sent to students' EagleMail accounts after students have registered for courses.

INFORMATION TECHNOLOGY - <http://www.csc.edu/technology/index.csc>

COSTS

COSTS (include course section rates & housing/meals) <http://www.csc.edu/businessoffice/tuition.csc>

The Board of Trustees for the Nebraska State Colleges establishes a schedule of tuition and fees to be charged by the State Colleges. Specific courses may have additional assessed fees. Online courses are assessed at combined tuition and fees set rate per credit hour. The current tuition and fees schedule may be obtained online. On-campus housing rates are also available from the Business Office or its website. Payment plans are available, upon discussion with the CSC Business Office. Account information is distributed through MyCSC Student Dashboard. Students should check their account balance regularly.

TEXTBOOK ZERO COURSES

Chadron State College offers a number of courses that utilize textbooks and materials at no cost for students. Confer with the librarians within the Learning Commons in the Reta E. King building for a list of the classes.

REGISTRATION

ADVISING – <http://www.csc.edu/start/advising/index.csc>

ACADEMIC REQUIREMENTS – <http://www.csc.edu/start/enrollment/requirements/index.csc>

SCHEDULE CLASSES – <http://www.csc.edu/start/enrollment/index.csc>

CHANGES TO CLASS SCHEDULES - <http://www.csc.edu/registrar/withdrawal.csc>

GRADE LEVEL/CLASSIFICATION - http://csc.edu/registrar/general.csc#Grade_Level

COURSE NUMBERS - http://csc.edu/registrar/general.csc#Course_Numbers

COURSE SECTIONS - http://csc.edu/registrar/general.csc#Course_Sections

CATALOG ASSIGNMENT - http://csc.edu/registrar/general.csc#Catalog_Assign

EXPECTATIONS AND ACADEMIC CONDUCT

GRADES - <http://csc.edu/registrar/general.csc#Grades>

PETITIONING FOR INCOMPLETE - <http://csc.edu/registrar/general.csc#Petition>

GRADE POINT AVERAGE - <http://csc.edu/registrar/general.csc#GPA>

GRADE APPEALS - http://csc.edu/registrar/general.csc#Grade_Appeals

AUDIT REGISTRATION - <http://csc.edu/registrar/general.csc#Audit>

ACADEMIC HONORS - http://csc.edu/registrar/general.csc#Academic_Honors

GRADUATION HONORS – <http://www.csc.edu/registrar/graduation.csc>

ACADEMIC PROBATION & SUSPENSION - <http://csc.edu/registrar/general.csc>

ACADEMIC AMNESTY - <http://csc.edu/registrar/general.csc>

ACADEMIC HONESTY - <http://www.csc.edu/library/research-tutorials/ethics-and-plagiarism/academic-honesty/>

Civility

Civil behavior enhances the learning environment, and is expected at all times. Courtesy and respect for others are essential elements to the learning process. Courses offered through Chadron State College welcomes a difference of opinion, discourse, and debate within a civil environment.

CLASS ATTENDANCE AND/OR PARTICIPATION POLICY

The College assumes that students will seek to profit from the instructional program and will recognize the importance of attending every class meeting of courses for which credit is expected. Responsibility for notifying faculty of absences, and for arranging potential make-up, rests with the students. In courses that utilize an online format, students are expected to participate in an appropriate and frequent manner, as determined by course instructor.

ACADEMIC POLICIES

STUDENT RIGHT TO KNOW - <http://csc.edu/ir/righttoknow.csc>

FAMILY EDUCATIONAL RIGHTS & PRIVACY ACT (FERPA) - <http://www.csc.edu/ir/righttoknow.csc>

ACADEMIC PROBATION & SUSPENSION - <http://csc.edu/registrar/general.csc>

FINANCIAL PROBATION & SUSPENSION - <http://csc.edu/documents/start/SAP-UNDERGRADUATES.pdf>

FINANCIAL AID RETURN TO TITLE IV - <http://www.csc.edu/start/finaid/refund/index.csc>

STUDENT SERVICES

ADVISING CENTER - <http://www.csc.edu/start/advising/index.csc>

STUDENT TRANSITION AND REGISTRATION TEAM (START) - <http://www.csc.edu/start/index.csc>

CAREER SERVICES - <http://www.csc.edu/careerservices/>

FINANCIAL AID - <http://www.csc.edu/start/finaid/available/index.csc>

SCHOLARSHIPS - <http://www.csc.edu/start/finaid/scholarships/index.csc>

HEALTH SERVICES

Nurse: <http://www.csc.edu/healthserv/>

CSC Clinic: <http://www.csc.edu/healthserv/clinic.csc>

Personal Counseling & Disability Services: <http://www.csc.edu/healthserv/counseling/index.csc>

HOUSING - <http://www.csc.edu/housing/requirements.csc>

RESIDENCE LIFE - <http://www.csc.edu/housing/residence-life/index.csc>

TUTORING/LEARNING CENTER – <http://www.csc.edu/learningcenter/peertutoring.csc>

CAMPUS ACTIVITIES - <http://www.csc.edu/modules/clubs/information/campus-activities-board>

THE LIBRARY LEARNING COMMONS - <https://www.csc.edu/library>

PROJECT STRIVE/TRIO - <http://www.csc.edu/projectstrive/>

OFFICE OF INTERNATIONAL EDUCATION - <http://www.csc.edu/international/office/index.csc>

GRADUATION REQUIREMENTS - <http://www.csc.edu/registrar/graduation.csc>

DEFINITIONS OF CSC COURSE FORMATS

(MODALITIES OF INSTRUCTION)

Course learning outcomes are achieved irrespective of the course delivery or modalities of instruction. Significant factors in student achievement of competencies are active participation and focused effort. At a minimum, one (1) credit hour consists of a forty-five (45) hour time commitment:

- Designed learning activities (e.g. lectures, peer teaching, presentations, student group work) are the equivalent of at least fifteen (15) hours of instruction and student work.
- Student effort involves a *minimum* of thirty (30) hours of preparation, practice, review, and study beyond the designed learning activities.

The completion of the forty-five (45) hour time commitment does not ensure a passing grade. Achievement of the course competencies must be demonstrated.

CLASSROOM-BASED COURSES

These courses require participation within the traditional classroom and are *not* distance learning courses.

- 01-10 (Face-to-Face) Sections are conducted in an on-site face-to-face format (or modality of instruction).
- 99 (Hybrid) Sections are conducted in an on-site face-to-face format (or modality of instruction) that includes a virtual learning experience and/or component.
- Chadron campus-based students see also the 89 (blended) sections under distance-education courses.

DISTANCE-EDUCATION COURSES

These courses are available entirely on the Internet.

- 79 (Online) Sections require that all students participate completely online. This involves faculty-to-student and student-to-student interaction.
- 89 (Blended) Sections are designed to accommodate both on-campus learners and distance learners.
 - Campus-based learners have online access to course materials, but are required to attend regularly scheduled face-to-face classroom instruction.
 - Distance learners access all course materials online. Required participation is electronically mediated.

ADDITIONAL LOCATION COURSES

These courses are conducted in a place, geographically separate from the Chadron campus. An additional location typically does not have a full range of administrative and student services staffed by the facilities personnel. Such services are provided from the Chadron campus. A facility may provide access to instruction requiring students to be present at a physical location that receives interactive TV, video, or online teaching.

- 40 (Face-to-Face or Synchronous, Interactive Television) Sections are conducted in Scottsbluff.
- 65 (Face-to-Face or Synchronous, Interactive Television) Sections are conducted in North Platte.

DUAL-(ACES-) CREDIT COURSES

ACES (Access to College Engagement to Success) or dual credit refers to courses taught to high school students for which the students receive both high school credit and college credit.

- 48 (Face-to-Face) Sections are conducted in an approved high school.

COURSE CREDIT ALTERNATIVES**ADVANCED PLACEMENT**

College credit may be earned through the Advanced Placement (AP) program.

- All advanced placement test scores accepted by Chadron State College must be a score of 3 or higher.
- Other policies may apply.
- Contact the Records Office in Crites Hall for more information.

COLLEGE LEVEL EXAMINATION PROGRAM—CLEP

- Chadron State College accepts College Level Examination Program (CLEP) credit toward degree completion.
- Students must be enrolled at CSC to receive CSC credit for CLEP.
- CLEP tests must be completed before an individual has taken any college level course in the discipline in which credit is sought.
- A maximum of 18 hours of CLEP credit may be applied to a degree. All CLEP credit hours contribute to a maximum of 42 hours of experiential learning credit.
- Other policies may apply.
- Contact the Extended Campus Programs Office in Crites Hall for more information.

COURSE CHALLENGE

Students enrolled at Chadron State College can earn college credit by “challenging” selected courses listed within the undergraduate catalog.

- Requests to challenge a course must be made to the dean of the school in which the course is listed.
- The dean will determine if the course is available for challenge and whether the challenge shall be by comprehensive examination and/or by some other evidence of competence in the subject matter of the course.
 - Exceptions:
 - When the course is a Pre-requisite to a course already taken.
 - When the course has been taken previously for audit or credit.
 - When the course has been determined to be ineligible for challenge by the academic school.
- Credit will be granted only if the grade received on the challenge is a “C” or above.
- The credit will be recorded on transcripts and calculated into earned hours.
- Forms for course challenges are available from the Records Office.
- Fees are determined annually and are charged through the Business Office.
- Other policies may apply.

INTERNATIONAL BACCALAUREATE CREDIT-IB

Chadron 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 Office in Crites Hall for more information.

EXPERIENTIAL LEARNING**INDEPENDENT STUDY**

Independent Study allows students to learn under the supervision of faculty members outside the normal classroom setting.

- An independent study course is permitted only under special circumstances and with dean approval.
- Students may not earn more than nine (9) credit hours of independent study. No more than six (6) hours may be completed in any one department. Exceptions to this policy can be made only through written petition Dean of

Curriculum and Graduate Studies.

- In order to initiate a request for an independent study, contact your advisor to begin the written documentation. This documentation includes a written letter from the student outlining specifically why an independent study is necessary and why a course substitution will not suffice.

INTERNSHIPS

The Internship Program provides a structured educational experience integrating classroom theory with supervised, planned, and progressive work experience in the student's field of study. The program is designed to supplement and complement the traditional curriculum of Chadron State College. The goal of this experience will be to enhance the student's educational, professional, and personal development. Contact Career and Academic Planning Services (csc.edu/internships/) in Reta E. King Library for more information.

STUDY ABROAD

Students can earn credit through Chadron State College-sponsored foreign international studies programs.

- Students may study at foreign universities for one or more semesters, and transfer the credit to CSC.
- Students can earn CSC credit for short-term international study courses, led by Chadron State College faculty.
- Financial aid may be available for qualifying students.
- Contact the Extended Campus Programs Office in Crites Hall for more information.

For more information: <http://www.csc.edu/extended/abroad/>

UNDERGRADUATE DEGREES

PROGRAMS OF STUDY

To serve the educational needs of western Nebraska and adjoining areas, Chadron State College offers programs of study leading to the following undergraduate degrees:

BACHELOR OF APPLIED SCIENCES
 BACHELOR OF ARTS
 BACHELOR OF SCIENCE
 BACHELOR OF SCIENCE IN EDUCATION

BACHELOR OF APPLIED SCIENCES

The Bachelor of Applied Sciences is a specialized baccalaureate degree restricted to individuals who transfer to Chadron State College with a completed Associate of Science, Associate of Applied Science, or Associate of Occupational Science degree from an accredited community or technical college. Students are required to complete an official plan of study prior to admission into this degree program. The specialized Essential Studies Program requirements for this degree are listed with the degree program. Additional information can be obtained from the Dean of Curriculum and Graduate Studies; or see Technical Occupations under Programs of Study in this document.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

The Bachelor of Arts and Bachelor of Science degrees provide content area programs of study for entrance into a professional workforce (exclusive of education) or continued graduate-level study.

In addition to the general requirements for graduation, candidates for the Bachelor of Arts and the Bachelor of Science degree are required to complete the Essential Studies program and the requirements for at least one subject major and either a second major or a minor, or one comprehensive major. Elective courses may be selected to reach the total 120 semester hour minimum requirement for graduation.

Second Major

A student may earn multiple majors simultaneously at Chadron State College by satisfying the requirements for each major as outlined by the institution. Only one degree is granted, although all completed majors are recognized on the student's transcript.

Minors

The selection of a minor must be in an area (as identified by the national Classification of Instructional Programs code) other than the selected major. Minors are required in conjunction with subject majors (30-36 hours), but are not required in conjunction with comprehensive majors (48-57 hour). However, a minor may be added as long as 50 percent of the coursework is unduplicated by the major.

BACHELOR OF SCIENCE IN EDUCATION

The degree of Bachelor of Science in Education is conferred upon those who complete the teacher-preparation programs of study. In addition to the general requirements for graduation, candidates for the degree of Bachelor of Science in Education must complete the Essential Studies program, graduation literacy and the Professional Education requirements for their certificate. Students pursuing elementary education are required to complete one content minor specifically designed for elementary education (K-8) or an additional endorsement. Students pursuing middle school education must also complete two content areas of specialization programs of study. Students pursuing secondary education must also complete one subject or field endorsement plus the corresponding special methods course. Programs of study fulfill the Nebraska Department of Education requirements for teaching certification. Students planning on teaching in other states should seek assistance from their advisor or the Certification Officer to ensure fulfillment of the teaching certification requirements for those other states.

PRE-PROFESSIONAL CURRICULA

Students may pursue a pre-professional program, such as pre-law, pre-engineering, or pre-nursing, at Chadron State College before transferring to a professional school. Pre-professional programs last from one to four years depending upon the profession, professional schools, and the student's specific Academic and extra-curricular interests. Each professional school specifies the courses a student must complete before seeking admission into that school. Therefore, each student's program of study must be specifically designed to satisfy the admissions requirements of the professional schools into which the student wishes to seek admission as well as his/her own educational needs. Students interested in pre-professional programs should contact the appropriate academic faculty.

TEACHER CERTIFICATION ENDORSEMENT

Information concerning the specific requirements for the various teaching certificates in Nebraska may be secured from the office of the Certification Officer in the Department of Education.

ACADEMIC CERTIFICATION OF STUDY

An Academic Certificate of Study is provided to students who complete a coherent and defined coursework plan. These recognized knowledge clusters have been developed to assist the student in enhancing knowledge and proficiency, career success, employment opportunities, and personal development. For more information contact the Records Office.

ESSENTIAL STUDIES PROGRAM FOR BACHELOR OF ARTS, BACHELOR OF SCIENCE, AND BACHELOR OF SCIENCE IN EDUCATION

(BACHELOR OF APPLIED SCIENCES Essential Studies requirements are listed with Technical Occupations major.)

PHILOSOPHY OF ESSENTIAL STUDIES

Students are members of a broader society dependent on their meaningful contributions for its success. Chadron State College embraces this vision, recognizing the need to serve the region within the context of an increasingly global and more complex world in need of creative solutions to a never ending supply of challenges and opportunities. The Essential Studies Program at Chadron State provides an integrated, coherent learning experience to prepare students for a life of responsible inquiry.

INSTITUTIONAL FOCUS AREAS AND STUDENT LEARNING OUTCOMES**ESSENTIAL STUDIES STRUCTURAL CRITERIA**

- All first year students will take 6 hours of interdisciplinary, issue- or theme-based First Year Inquiry (FYI) to orient them to the Essential Studies Program, critical inquiry, and creative problem solving. This experience may be:
 - a single 6-hour course,

- two 3-hour courses,
- or other combinations of credit hours offered in a variety of formats and academic terms.

Students will complete the six-hour FYI requirement within the first 30 hours taken at CSC. Students who fail to meet this requirement will have a hold placed on their registration until they complete the six-hour FYI requirement. While this hold is in place, students must register for at least one FYI course whenever they register for courses.

- Students are required to complete three credit hours to satisfy each outcome in the Skills, Modality of Inquiry and Personal and Social Responsibility areas (2-11).
- Student Learning Outcome 12 will be met in a team-taught 6-hour Capstone course with an interdisciplinary theme.
- Some essential studies courses may be team-taught 6-hour interdisciplinary courses approved to address two Essential Studies Student Learning Outcomes 2-11.
- A single 3-hour essential studies course may be approved to address a maximum of one Essential Studies Outcome.

NOTE: Up to (9) hours of Essential Studies program courses can apply toward any comprehensive major or any minor. No courses required in a subject major (30-36 hours) can be used to meet Essential Studies Program requirements. Some degree programs specify Essential Studies program courses; check the program requirements for the major you are seeking.

PLACEMENT TESTS & SCORE REQUISITES FOR STUDENT LEARNING OUTCOMES #1 AND #2

¹ACT English & Reading Scores

Required Course(s)

If either score is 1-15

Must Pass both ENG 111² “Introduction to College Writing” AND COLG 121² “The Academic Life” before enrolling in (SLO) #1 FYI and #2 Writing Courses.

If either score is 16-18

Meet with Transitional Studies to complete an E-Compass writing test for appropriate placement. Those scoring 8 or above may enroll in (SLO) #1 FYI and #2 Writing Courses. Those scoring 7 or below are REQUIRED to pass COLG 121² and are ADVISED to take ENG 111² before enrolling in (SLO) #1 FYI and #2 Writing Courses.

If both scores are 19 or above

Enroll in (SLO) #1 FYI and #2 Writing Courses.

If English or Combined English/
Writing Score is 28 or above

You are not required to complete an (SLO) #2 Writing Course.

Transfer Students without an AA/AS
degree

Must satisfy the above requirements, or equivalent preparation based upon review of your transcripts by the Transitional Studies Office.

¹Or equivalent SAT score or other qualifying assessment approved by the Transitional Studies Office

²Transitional courses are prerequisites that do not count towards Essential Studies credit hour requirements

STUDENT LEARNING OUTCOMES AND COURSES

FIRST YEAR INQUIRY (FYI) (6 CREDIT HOURS)

Student Learning Outcome (SLO) 1. Students will practice skills involved in Critical Inquiry and Creative Problem Solving through interdisciplinary, collaborative engagement of a specific issue or theme.

Students have the curiosity and intellectual capacity to engage in critical inquiry of issues or themes and to seek creative ways of addressing those issues or themes. These courses provide the opportunity for students to identify and practice skills involved in asking questions and seeking informed answers in academic and professional settings. This happens in an environment where students learn by actively participating. These courses emphasize the integrated use of problem-solving tools from diverse perspectives.

- FYI 169 A Health Care I: A Choice or a Right, 3 hrs.
- FYI 169 B Enemy Mine: The Extreme Other, 6 hrs.
- FYI 169 C The Nation and the Globe, 6 hrs.
- FYI 169 D Wizards & Vampires in Film, TV, & Literature, 6 hrs.

FYI 169 E	Environmental Policy: Beyond the Sound Bites, 6 hrs.
FYI 169 F	A Pox on You: The Biological, Legal, and Social Consequences of Infectious Diseases, 6 hrs.
FYI 169 G	Do You See What I See: The Science of Art and the Art of Science, 6 hrs.
FYI 169 H	Mathletics: Not for Spectators, 6 hrs.
FYI 169 I	We are What We Eat, 3 hrs.
FYI 169 J	The Hidden Life of Everyday Things, 3 hrs.
FYI 169 K	A Better You through Financial and Physical Health, 6 hrs.
FYI 169 M	Improving Your Influence, 6 hrs.
FYI 169 N	Virtue and the Warrior Spirit, 6 hrs.
FYI 169 O	10,000 B.C., Great Plains, North America, 6 hrs.
FYI 169 P	Making Cents of Petroleum, 6 hrs.
FYI 169 Q	Private Parts: The Psychological, Socio-cultural & Biological Aspects of Human Sexuality, 6 hrs.
FYI 169 R	Health Care II: A Choice or a Right, 3 hrs.
FYI 169 S	Without the Arts, You're Only Half a Brain, 6 hrs.
FYI 169 U	Study of Natural Disasters, 3 hrs.
FYI 169 V	Nutrition, Weight Loss and Wellness, 3 hrs.
FYI 169 W	Literature & Practice of World Religions, 6 hrs.
FYI 169 X	Survival Skills 101, 3 hrs.
FYI 169 Y	Plants & Man: Beverages, 3 hrs.
FYI 169 Z	Forgiveness, 3 hrs.
FYI 169 AA	Home on the Range, 6 hrs.
FYI 169 AB	Learning to Serve, 3 hrs.
FYI 169 AC	The 20 th Century American Road, 6 hrs.
FYI 169 AD	Football, American Style, 6 hrs.
FYI 169 AE	Happiness, 6 hrs.
FYI 169 AF	Study the World, 3 hrs.
FYI 169 AG	Analyzing Adolescence, 3 hrs.
FYI 169 AH	Fashionomics, 3 hrs.
FYI 169 AI	Relationships 2.0, 3 hrs.
FYI 169 MU	Opening Pandora's Music Box, 3 hrs.

SKILLS (3 CREDIT HOURS)

Students will develop intellectual and practical skills, including proficiency in written, oral, and visual communication; inquiry techniques; critical and creative thinking; quantitative techniques and applications; information acquisition and assessment; teamwork; and problem-solving.

Student Learning Outcome (SLO) 2. Students will use writing as a tool for learning and thinking, and will compose texts that address diverse writing situations purposefully, making appropriate use of evidence and conventions, including Standard Edited English.

Writing is a powerful tool for participating in academic, professional, and civic discourse. People use writing to understand, to learn, to create, to express, and more. Writers need opportunities to explore diverse strategies for finding questions, developing ideas, managing information, and composing various types of texts. They also need opportunities to address varying authentic rhetorical situations and to receive feedback and guidance in their efforts to do so. This includes guidance in the purposeful and reasonable use of credible outside sources. It also includes guidance in addressing conventions of text, style, and grammar.

ENG 135	Composition I, 3 hrs.
ENG 136	Composition II, 3 hrs.
ENG 137	Technical Writing, 3 hrs.

Note: Students pursuing select programs of study, may need to complete two courses in this skill set. See individual program requirements for details.

Student Learning Outcome (SLO) 3. Students will demonstrate communication competence in two or more of the following ways: (a) by making oral presentations with supporting materials, (b) by leading and participating in problem-solving teams, (c) by employing a repertoire of communication skills for developing and maintaining professional and personal relationships, or (d) by employing listening skills.

"As a ubiquitous and an invaluable element of the human experience, communication is critical to helping individuals expand their perspectives and strengthen their relationships. Communication skills are, in fact, life skills. Communication

is the common denominator of human experience. As such, educational institutions should foster a mature understanding of the complexity of communication and teach students the communication skills fundamental to achieving a meaningful and successful life....” (National Communication Association, *Communication in the General Education Curriculum, A Critical Necessity for the 21st Century*, 2003) Communication is a critical component of solving problems and adding meaning to personal, professional, and civic lives. This includes understanding the purpose of communication, designing messages for a variety of audiences, understanding communication contexts, and the importance of critical listening.

Performance Criteria

All students will meet the following performance criteria:

1. Demonstrate understanding of the ethical aspects of listening.
2. Demonstrate ability to engage the six-step process of listening; hearing, interpreting, understanding, remembering, evaluating, and responding.

Students will meet one of the following three performance criteria depending on course selection:

1. Demonstrate understanding of creating and delivering an effective speech.
2. Evaluate knowledge of factors affecting interpersonal interaction including conflict resolution, intercultural issues, non-verbal communication.
3. Demonstrate understanding of how to effectively communicate in groups.

BA 331	Business Communications, 3 hrs.
CA 125	Fundamentals of Oral Comm, 3 hrs.
CA 130	Interpersonal Comm, 3 hrs.
CA 225	Comm in Groups & Teams, 3 hrs.
CA 330	Conflict Resolution and Mediation, 3 hrs.
CA 233	Presentation Speaking, 3 hrs.

Note: Students seeking the Bachelor of Science in Education degree must complete CA 125 or 233.

Student Learning Outcome (SLO) 4. Students will demonstrate the application of mathematical terminology, expressions, and logical reasoning abilities to model, draw inferences, and to mathematically solve problems within our world.

Mathematics is a skill used throughout the world in many fields, including education, business, and the sciences. This includes the use of quantitative, inferential, and logical reasoning to support the imaginative and critical exploration of complex human problems. Mathematics involves the practical use of reasoning skills to solve problems on a daily basis. It also serves as a means of communication through the use of appropriate mathematical terminology.

Performance criteria for Mathematics:

1. Students will communicate quantitative ideas using mathematical terminology.
2. Students will demonstrate skill manipulating mathematical expressions.
3. Students will organize, analyze, and interpret model and solve problems mathematically.

The following matrix is designed to aid the student in enrolling in the appropriate Mathematics course. If a student’s ACT Math test score is 1-18, the student *must* take the ASSET test for proper advising. If the ACT Math test score is 19 or higher, the student should be advised to take a Mathematics course based upon the following matrix:

<u>ACT Math Score</u>	<u>Recommended Math Course</u>
1-15	Consult Academic Advisor
16-18	*MATH 100 Pre-college Algebra
>18	MATH 142 College Algebra or value added

*Developmental course: Does not meet Essential Studies requirement.

<u>High School Background</u>	<u>Placement for Mathematic Courses</u>
No Algebra	MATH 133 Intro to Mathematics, 3 hrs.
1 Year Algebra	MATH 132 Applied Mathematics, 3 hrs. (if Elementary Education Major)
	MATH 137 Math Topics for Elem Teachers, 3 hrs. (if Elementary Education Major)
	MATH 232 Applied Statistics, 3 hrs.
1 Year Algebra and 1 Year Geometry	MATH 142 College Algebra, 4 hrs.

2 Years Algebra	MATH 138	Applied Calculus, 3 hrs.
	MATH 142	College Algebra, 4 hrs.
	MATH 232	Applied Statistics, 3 hrs.
2 Years Algebra and 1 Year Geometry	MATH 134	Plane Trigonometry, 3 hrs.
	MATH 135	Pre-Calculus Mathematics, 3 hrs.
4 Years Math (including Trigonometry)	MATH 138	Applied Calculus, 3 hrs.
	MATH 232	Applied Statistics, 3 hrs.
	PHIL 333	Symbolic Logic, 3 hrs.

Student Learning Outcome (SLO) 5. Students will practice one or more creative art forms, such as music, theatre, creative writing, visual art, and the design arts.

In the arts, students explore the meaning of aesthetics and actively examine the nature of art. Students engage in a personal journey of inspiration, through the mechanics of artistic creation, to production of a finished work. Artistic critique then involves communication about the discovery process and learning from the experiences of others. This practice of the arts cultivates the skills “to observe acutely, to think spatially and kinesthetically, to identify the essential components of a complex whole, to recognize and invent patterns, to gain empathy with the objects of study and to synthesize and communicate the results of one’s thinking visually, verbally, or mathematically.” (From For the Sake of Science, The Arts Deserve Support by Robert S. Root Bernstein, The Chronicle of Higher Education, July 11, 1997) While the creative process drives discovery in many human endeavors, nowhere is this discovery made more tangible than in the practice of the arts. The arts are essential in teaching students how to think, invent, and create.

ART 223	Intro to Photography, 3 hrs.	MUS 111	Guitar Ensemble, 1 hr.
ART 227	Sculpture I, 3 hrs.	MUS 116	Class Piano Foundations I, 1 hr.
ART 228	Ceramics I, 3 hrs.	MUS 117	Class Piano Foundations II, 1 hr.
ART 229	Intro to Graphic Design, 3 hrs.	MUS 118	Class Piano Foundations III, 1 hr.
ART 237	Creative Crafts I, 3 hrs.	MUS 124	Women’s Vocal Ensemble, 1 hr.
ART 321a	Glass I (a glass blowing), 3 hrs.	MUS 125	Men’s Vocal Ensemble, 1 hr.
ART 322	Graphic Design I, 3 hrs.	MUS 216	Guitar Class, 1 hr.
ART 343	Digital Photography, 3 hrs.	MUS 230	Voice Class for Non-majors, 1 hr.
CA 144	Oral Interpretation & Perform Studies, 3 hrs.	MUS 269	Drumming, 1 hr.
ENG 249a	Creative Writing: Nonfiction Prose, 3 hrs.	MUS 302	Wind Symphony, 1 hr.
ENG 249b	Creative Writing: Fiction, 3 hrs.	MUS 303	Concert Choir, 1 hr.
ENG 249c	Creative Writing: Poetry, 3 hrs.	MUS 304	Vocal Jazz Ensemble, 1 hr.
ENG 349	Advanced Writing Workshop, 3 hrs.	MUS 305	Jazz Band, 1 hr.
MS 331	Exhibit Design, 3 hrs.	MUS 308	Brass Ensemble, 1 hr.
MUS 016	Chadron State Community Chorus, 1 hr.	MUS 311	Guitar Ensemble, 1 hr.
MUS 018	Chadron State Comm. Symphonic Band, 1 hr.	MUS 324	Women’s Vocal Ensemble, 1 hr.
MUS 102	Wind Symphony, 1 hr.	MUS 325	Men’s Vocal Ensemble, 1 hr.
MUS 103	Concert Choir, 1 hr.	TH 134	Principles of Acting, 3 hrs.
MUS 104	Vocal Jazz Ensemble, 1 hr.	TH 237	Beginning Directing, 3 hrs.
MUS 105	Jazz Band, 1 hr.	TH 243 & 243L	Intro to Set/Light Design & Lab, 3 hrs.
MUS 108	Brass Ensemble, 1 hr.		

Modes of Inquiry (3 credit hours)

Students will build understanding of the human condition within its social and natural contexts.

Student Learning Outcome (SLO) 6. Students will employ scientific methodology to analyze and explain how the natural world functions and how humans interact with it.

Scientifically literate citizens possess the ability to formulate a logical hypothesis based on data, to process data, and apply and refine hypotheses. Understanding the discoveries of science and methods by which those discoveries are made also gives us perspectives into human history because advances in science and technology are at the heart of social change. Understanding the interactions that take place among physical systems, living systems, and technology will help build an appreciation for and development of problem solving skills, critical thinking skills and social consciousness.

Biology

For *All* Students BIOL 121/121L Human Biology and Lab, 3 hrs.
 BIOL 136/136L Biological Science and Lab, 3 hrs.
 BIOL 337 Environmental Management, 3 hrs.
 BIOL 448/448L Ethnobotany and Lab, 3 hrs.

For Science Majors BIOL 138/138L General Botany and Lab, 3 hrs.
 BIOL 139/139L General Zoology and Lab, 3 hrs.
 BIOL 225 Cellular Biology, 3 hrs.

Physical Science

For *All* Students CHEM 121 Fundamental Chemistry, 3 hrs.
 CHEM 140/140L General Chemistry and Lab, 4 hrs.
 FCS 136/136L Food Science and Lab, 3 hrs.
 GEOS 130 Earth Science, 3 hrs.
 GEOS 137 Environmental Geology, 3 hrs.
 GEOS 230 Natural Hazards & Disasters, 3 hrs.
 PHYS 135 Physical Science, 3 hrs.
 PHYS 151/151L College Physics I and Lab, 5 hrs.
 PHYS 330 Phys Sci for the Elem & Middle Grades Teach, 3 hrs.
 PHYS 333/333L Astronomy and Lab, 3 hrs.
 PHYS 334 Meteorology, 3 hrs.

For Science Majors CHEM 131/131L College Chemistry I and Lab, 4 hrs.
 GEOS 231/231L Physical Geology and Lab, 4 hrs.
 GEOS 234/234L History of the Earth System and Lab, 4 hrs.
 PHYS 241/241L University Physics and Lab, 5 hrs.

Student Learning Outcome (SLO) 7. Students will examine the human condition by exploring cultural and aesthetic achievements illustrated in at least one of the disciplines in the humanities: visual and performing arts, literature, history, philosophy, or religion.

The humanities focus on the study of value in human life. They explore the way that human beings create and share meaning as individuals, communities, cultures, and across cultures through time. Through humanistic study, students are expected to learn how different methods of inquiry can be used to convey perspectives on the human condition. Students will also learn to apply the humanistic perspective to values, experiences, and meanings in their own lives.

ART 239	Elements of Art, 3 hrs.	HUM 234	The Humanistic Tradition III, 3 hrs.
B A 431	Professional Ethics, 3 hrs.	HUM 235	The Humanistic Tradition IV, 3 hrs.
ENG 233	Elements of Literature, 3 hrs.	HUM 301	Beat Culture: Film, Phil., Lit. 3hrs.
ENG 340	Contemporary Literature, 3 hrs.	HUM 302	Film & Philosophy, 3 hrs.
ENG 341	Literature of the Great Plains, 3 hrs.	HUM 303	Modernism & Manifestos, 3 hrs.
ENG 342	Literature Across Borders, 3 hrs.	HUM 401	Cuba Libre', 1-3 hrs.
ENG 343	Literature & Philosophy, 3 hrs.	MS 340	Museum Education, 3 hrs.
ENG 344	Literature & the Environment, 3 hrs.	MUS 235	Elements of Music, 3 hrs.
ENG 345	Gender & Literature, 3 hrs.	MUS 435	History of Jazz, 3 hrs.
ENG 435	Native American Literature, 3 hrs.	PHIL 231	Introduction to Philosophy, 3 hrs.
ENG 441	English & American Novel, 3 hrs.	PHIL 432	Ethics, 3 hrs.
HIST 171	World History to 1500, 3 hrs.	PHIL 433	Biomedical Ethics, 3 hrs.
HIST 351	Ancient West, 3 hrs.	PHIL 435	Environmental Ethics, 3 hrs.
HIST 371	Ancient East, 3 hrs.	PS 431	History of Political Thought, 3 hrs.
HUM 231	Humanistic Perspectives, 3 hrs.	TH 235	Elements of Theatre, 3 hrs.
HUM 232	The Humanistic Tradition I, 3 hrs.	TH 336	Theatre History I, 3 hrs.
HUM 233	The Humanistic Tradition II, 3 hrs.		

Student Learning Outcome (SLO) 8. Students will study human behavior and social interactions integrating knowledge, theories, methods, or historical perspectives appropriate to the social sciences.

The social sciences explore patterns of human behavior and social organization across time and space in order to better understand the human condition in all its dimensions. These dimensions include the communicative, cultural, social, economic, psychological, and political aspects of human behavior. Spatially, these dimensions are studied across groups, communities, countries, and civilizations, often identified with geographical boundaries. Temporally, these same dimensions of human activity are studied from “primitive” societies to “post-modern” ones.

HIST 151	U.S. History to 1877, 3 hrs.	HIST 366	History of Mexico, 3 hrs.
HIST 152	U.S. History since 1877, 3 hrs.	HIST 372	Modern China, 3 hrs.
HIST 172	World History Since 1500 3 hrs.	HIST 373	History of the Pacific Rim, 3 hrs.
HIST 234	Western Civilization II, 3 hrs.	HIST 374	History of the Middle East, 3 hrs.
HIST 352	Europe: Ren. to World War, 3 hrs.	HIST 375	History of Africa, 3 hrs.
HIST 353	Europe Since 1914, 3 hrs.	HIST 376	Latin American History, 3 hrs.
HIST 354	US Colonial & Early Republic, 3 hrs.	HIST 401	Cuba Libre´, 1-3 hrs.
HIST 355	US in the Nineteenth Century, 3 hrs.	MATH 236	History of Mathematics, 3 hrs.
HIST 356	America in the Twentieth Century, 3 hrs.	MUS 327	Survey of Music History, 3 hrs.
HIST 361	North American West, 3 hrs.	PS 101	Intro. to Political Science, 3 hrs.
HIST 362	Nebraska History, 3 hrs.	PS 321	Politics & Govt. in Hist. Pers., 3 hrs.
HIST 363	American Indian History, 3 hrs.	PS 341	Comparative Politics, 3 hrs.
HIST 364	American Environmental History, 3 hrs.	TH 337	Theatre History II, 3 hrs
HIST 365	History of Canada, 3 hrs.		

PERSONAL AND SOCIAL RESPONSIBILITY (3 CREDIT HOURS)

Students will demonstrate individual and social responsibility through the critical examination of wellness; study of ethical principles and reasoning; application of civic knowledge; interaction with diverse cultures; and engagement with global issues.

Student Learning Outcome (SLO) 9. Students will apply theories and principles of ethics and citizenship through the study of or participation in civic affairs.

A college education prepares students for their roles as citizens. Courses meeting this outcome focus specifically on this goal. In doing so, students learn and apply different perspectives of ethical behavior, focusing on their roles as members of various local, national, and global communities. Students also learn about civic participation and begin to participate in their responsibilities and opportunities as citizens. Ideally these outcomes are best met through experiential learning.

CA 239	Event Planning and Leadership, 3 hrs.
FCS 427	Worksite Wellness, 3 hrs.
HIST 369	Subject and Citizen, 3 hrs.
HUM 369	Philosophy and Documentary Film: the Polemics of Representation, 3 hrs.
MSL 101/101L	Leadership & Personal Development & Lab, 3 hrs.
MUS 369	Music and Civic Engagement, 3 hrs.
PHIL 369	Social and Personal Ethics, 3 hrs.
PHYS 435	World Environmental Issues, 3 hrs.
PS 369	Civic Engagement: Theory and Practice, 3 hrs.
SOC 369	Civic Engagement: Theory and Practice, 3 hrs.

Student Learning Outcome (SLO) 10. Students will demonstrate knowledge of human diversity and interconnectedness and will analyze the implications of diversity in its various economic, cultural, social or political forms.

Humans seek well-being, self-expression and identity in multiple ways through differing customs, cultural artifacts, and practices. These patterns of behavior are identified with different forms of belonging, which are associated with various types of economic, political, cultural, and social groupings and patterns of interaction. It is important to understand the scope of diversity, and also the potential for conflict and cooperation that are inherent among and between diverse groups. Ideally these outcomes are best met through experiential learning.

AGRI 431	International Food Policy, 3 hrs.	FCS 436	Global Food Systems, 3 hrs.
ANTH 231	Intro to Cultural Anthropology, 3 hrs.	HIST 370	The Post-Colonial Condition, 3 hrs.
BIOL 448/448L	Ethnobotany & Lab, 3 hrs.	HUM 335	Comparative Religion, 3 hrs.
CA 346	Intercultural Communication, 3 hrs.	HUM 432	World Mythology, 3 hrs.
CA 442	Globalization, Culture and Media, 3 hrs.	LS 323	Law and the American Society, 3 hrs.
CJ 446	Cross Cultural/Justice Studies, 3 hrs.	MUS 328	World Music and Globalization, 3 hrs.
ECON 130	Survey of Economics, 3 hrs.	MUS 330	African-American Popular Music, 3 hrs.
EDUC 460	Comparative Education, 3 hrs.	PS 332	International Politics, 3 hrs.
ENG 300	The Graphic Novel: Studies in Diversity and Differences, 3 hrs.	PS 424	Global Politics & Religion, 3 hrs.
ENG 346	Literature of the Bible, 3 hrs.	PS 425	Global Power, Prosperity & Poverty, 3 hrs.
ENG 436	World Literature, 3 hrs.	PHIL 235	Classical Chinese Philosophy, 3 hrs.
FIN 239	Personal Finance, 3 hrs.	PSYC 421	Culture and Psychology, 3 hrs.
FIN 333	International Fin & Economics, 3 hrs.	SOC 230	Society: Global Comparison, 3 hrs.
FCS 320	Aging and Death, 3 hrs.	SW 371	International Social Welfare, 3 hrs.
FCS 335	Families in Society, 3 hrs.	WLAN 100	Conversational Foreign Language, 3 hrs.

Student Learning Outcome (SLO) 11. Students will discuss current health issues and incorporate wellness practices that lead to positive personal changes in health and wellness lifestyle. (3 credit hours)

Wellness is an active process which impacts the health and well-being of individuals, communities, and nations. The interrelationships of individual health and societal consequences are immense – from obesity epidemics to job performance to health care costs. Personal responsibility in wellness involves self-assessment of lifestyle behaviors and the application of knowledge and practices leading to positive change. In these courses the six dimensions of health (physical, emotional, social, spiritual, intellectual, and occupational) provide a framework for analyzing personal wellness, and incorporating wellness choices into daily lives. Positive life choices enhance individual and social responsibility.

FCS 247	Nutrition, 3 hrs.	HPER 120	Outdoor Activity, 3 hrs.
FCS 417	Lifespan Wellness, 3 hrs.	HPER 207	Team Sport Activities, 3 hrs.
HPER 100, 103, 112,	(each 1 credit hour)	HPER 209	Advanced Fitness Activities, 3 hrs.
HPER 107	Individual Sport Activities, 3 hrs.	HPER 223	Aquatic and Water Safety, 3 hrs.
HPER 108	Fitness Activities, 3 hrs.	HPER 233	Health/Wellness, 3 hrs.
HPER 111	Social Dance, 3 hrs.	MSL 109	Military Fitness, 3 hrs.

CAPSTONE INTEGRATION (6 CREDIT HOURS)

Students will integrate essential studies skills, knowledge and abilities, adapting them to new settings, questions, and responsibilities.

Student Learning Outcome (SLO) 12. Students will produce a creative or scholarly work requiring broad knowledge, appropriate technical proficiency, information collection, interpretation, synthesis, presentation, and reflection that grows out of interdisciplinary, collaborative engagement of a specific issue or theme.

Central to the Essential Studies Program is the development of students' abilities to employ diverse skills and perspectives for engaging in critical inquiry and creative problem solving across disciplinary lines. In interdisciplinary courses, students will refine these abilities by creating a product that demonstrates collaborative investigation of an issue or theme.

CAP 469A	How to Save the Rain Forest, 6 hrs.
CAP 469B	Cuba Libré, 6 hrs.
CAP 469C	Great Plains, 6 hrs.
CAP 469D	Weight of the Nation, 6 hrs.
CAP 469F	Talking Heads, 6 hrs.
CAP 469G	Social Media and Democratization, 6 hrs.

PROGRAMS OF STUDY

Accounting

See Business

Agriculture

Majors

Rangeland Management Comprehensive Major with options in:

- Rangeland Ecology
- Rangeland Fire Management
- Rangeland Livestock Management
- Rangeland Wildlife Management

Business Administration Comprehensive Major with option in:
Agribusiness

Minors

- Agricultural Plant Science
- Animal Science
- Equine Management
- Rangeland Management
- Veterinary Science
- Wildlife Management

Transfer Programs

- Agricultural Education
- Grassland Ecology and Management

American Indian Studies

Minor

- American Indian Studies

Certificates

- American Indian Studies

Art

Majors

Art Comprehensive Major with options in:

- Art Studio
- Gallery/Museum
- Graphic Design

Teaching Endorsement

- Art Education Field Endorsement (K-12)
- Art Middle Grades Content Area of Specialization (4-9)

Minor

- Art

Elementary Area of Concentration

- Art

Biology

Major

- Biology Comprehensive Major with options in:
 - Environmental Resource Management
 - General Biology
 - Human Biology
 - Molecular Biology
 - Wildlife Biology

Teaching Endorsement

- Biology Education Subject Endorsement (7-12)

Biology cont.

Minors

- Biology
- Human Biology
- Plant Sciences
- Wildlife Biology

Health Sciences Majors

Health Sciences Comprehensive Major with options in:

- General Health Care
- Pre-Chiropractic Medicine
- Pre-Pharmacy
- Pre-Veterinary Medicine
- Radiologic Technology

Health Professions Rural Health Opportunities Programs (RHOP)

- Clinical Laboratory Science
- Dental Hygiene
- Dentistry
- Medicine
- Nursing
- Pharmacy
- Physical Therapy
- Physician Assistant
- Public Health
- Radiography

Business

Majors

Business Administration Comprehensive Major with options in:

- Accounting (including CPA Path & CPA Path with MBA)
- Agribusiness
- Business Information Systems
- Finance
- Management
- Marketing/Entrepreneurship

General Business Subject Major

Teaching Endorsements

- Business Education Field Endorsement (6-12)
- Basic Business Education Subject Endorsements (6-12)
- Business Education Middle Grades Content Area of specialization (4-9)

Minors

- Agribusiness – Business
- Business
- Business Information Systems
- Finance
- Marketing/Entrepreneurship

Business Information Systems

See Business

Career and Technical Education

Teaching Endorsement

- Cooperative Education-Diversified Occupations Supplemental Endorsement (9-12)

Chemistry

See Physical Science

Coaching

See Health, Physical Education and Recreation

Communication Arts**Majors**

Communication Arts Comprehensive with options in:
 Interpersonal Communication
 Journalism
 Public Relations

Minors

Interpersonal Communication
 Journalism
 Public Relations

Computer Science

See Business Information Systems

Criminal Justice

See Justice Studies: Criminal Justice

Early Childhood

See Family and Consumer Sciences
 See Elementary Education

Earth Science

See Physical Science, Geoscience option

Economics

See Business

Education**Teaching Endorsements**

Elementary Education Field Endorsement (K-8)
 Middle Grades Field Endorsement (4-9)
 Secondary Education (7-12)
 Early Childhood Education Subject Endorsement (Birth - Grade 3)

Elementary Area of Concentration

Art
 Early Childhood
 English
 Mathematics
 Music
 Physical Education
 Science
 Social Science
 Special Education

English**Major**

Literature Subject Major

Teaching Endorsements

Language Arts Education Field Endorsement (6-12)

English cont.

Language Arts Education Middle Grades Content Area of Specialization (4-9)

Minors

Comparative Philosophy
 English
 Writing

Elementary Area of Concentration

English

Family and Consumer Sciences**Majors**

Family and Consumer Sciences Comprehensive Major with options in:
 Child and Family Studies
 Design and Merchandising
 Health and Human Services
 Nutrition and Wellness

Teaching Endorsements

Family and Consumer Sciences Education Field Endorsement (6-12)
 Family and Consumer Sciences Middle Grades Content Area of Specialization (4-9)
 Early Childhood Education Unified Field Endorsement (Birth – Grade 3)

Minors

Child and Family
 Gerontology
 Hospitality
 Nutrition and Wellness
 Textiles and Design

Certificates

Family Life
 Parenting
 Wellness

Certification Preparation

Child Development Associate (CDA) Certification Preparation

Finance

See Business

Geology and Geoscience

See Physical Science

Health, Physical Education, Recreation**Majors**

Sports and Recreation Management Comprehensive Major with options in:
 Exercise Science
 Outdoor Adventure
 Sport Leadership

Teaching Endorsements

Health and Physical Education Field Endorsement (K-12)
 Physical Education Subject Endorsement (K-6 or 7-12)
 Health Education Subject Endorsement (7-12)
 Health and Physical Education Middle Grades Content Area of Specialization (4-9)
 Coaching Supplement Endorsement (7-12)

Health, Physical Education, Recreation cont.**Minors**

Exercise Science
 Outdoor Adventure
 Sports Leadership

Elementary Area of Concentration

Physical Education

Health Sciences

See Biology

History**Majors**

History Subject Major

Teaching Endorsements

History Subject Endorsement (7-12)

Minor

History

Information Science and Technology

See Business

Interdisciplinary Studies**Major**

Interdisciplinary Studies Comprehensive Major

Journalism

See Communication Arts

Justice Studies**Majors**

Justice Studies-Criminal Justice Comprehensive Major
 with focus areas in:

Law Enforcement
 Law
 Corrections
 Forensic Studies
 Juvenile Justice

Justice Studies-Legal Studies Comprehensive Major
 with focus areas in:

Commercial
 Litigation
 Public Law

Minors

Criminal Justice
 Legal Studies

Certificates

Paralegal

Language and Literature

See English

Legal Studies

See Justice Studies: Legal Studies

Life Sciences

See Biology

Management

See Business

Management Information Systems

See Business

Marketing/ Entrepreneurship

See Business

Mathematics**Major**

Mathematics Subject Major

Teaching Endorsements

Mathematics Field Endorsement (6-12)
 Mathematics Middle Grades Content Area of
 Specialization (4-9)

Minors

Applied Statistics
 Mathematics

Elementary Area of Concentration

Mathematics Education

Military Science Leadership**Program**

ROTC

Minor

Military Science

Museum Studies**Minor**

Museum Studies

Music**Majors**

Music Comprehensive Major with options in:
 Applied Music
 Music Industry

Subject Major in Music Studies

Teaching Endorsements

Music Field Endorsement (K-12)
 Vocal Music Subject Endorsement (K-8)

Minors

Music

Elementary Area of Concentration

Music

Physical Education and Recreation

See Health, Physical Education and Recreation

Physical Sciences**Majors**

Physical Science Comprehensive Major with options
 in:

Chemistry
 Geoscience
 Physics

Physical Sciences cont.**Teaching Endorsements**

Chemistry Subject Endorsement (7-12)
 Earth and Space Science Subject Endorsement (7-12)
 Science Field Endorsement (7-12) with concentrations in:
 Biology
 Chemistry
 Earth and Space Science
 Physics
 Physics Subject Endorsement (7-12)
 Sciences Middle Grades Content Area of Specialization (4-9)

Minors

Chemistry
 Geoscience
 Physics
 Water Resources Management

Elementary Area of Concentration

Science Education

Certificate

Water Resources Management

Physics

See Physical Sciences

Pre-Engineering

See Mathematics

Pre-Law

See Justice Studies

Psychology**Major**

Psychology Subject Major

Minors

Psychology
 Organizational Psychology
 Social and Personality
 Psychology and the Legal System

Public Relations

See Communication Arts

Rangeland Management

See Agriculture

Recreation

See Health, Physical Education and Recreation

ROTC

See Military Science Leadership

Sciences

See Biology or Physical Science

Social Science**Teaching Endorsements**

Social Science Field Endorsement (7-12)
 Social Science Middle Grades Content Area of Specialization (4-9)

Elementary Area of Concentration

Social Science Education

Social Work**Major**

Social Work Comprehensive Major

Special Education**Teaching Endorsements**

Special Education Field Endorsement (K-12)
 Early Childhood Education Unified Field Endorsement (Birth-Grade 3)

Elementary Area of Concentration

Special Education

Speech Communication

See Communication Arts

Teacher Education

See Education

Technical Occupations**Major**

Technical Occupations Comprehensive Major

Theatre**Major**

Theatre Comprehensive Major with options in:
 Performance/Directing
 Technical/Design

Teaching Endorsements

Theatre Subject Endorsement (7-12)

Minor

Theatre

Vocational Education

See Career and Technical Education

Wildlife Management

See Agriculture and Biology

AGRICULTURE

Mission

The mission of the agriculture program is to address the educational needs of individuals interested in rangeland management, domestic livestock and/or wildlife management, soil and plant sciences, and production processes and techniques.

Student Learning Outcomes

Students in this program will develop the knowledge, skills, competencies, and attitudes so they will be able to:

- Attain a career in an agriculture or rangeland management related field.
- Develop and defend a management plan which describes and assesses the rangeland resources of soil, vegetation, livestock and wildlife.
- Describe and compare range ecosystems throughout North America and the principles used to manage the resources within them.
- Synthesize and communicate, both written and orally, acquired knowledge from scholarly research on rangeland, livestock and wildlife management using appropriate peer-reviewed literature.

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN RANGELAND MANAGEMENT: A student must complete the following Core Requirements in addition to an option and the Essential Studies requirements. All students are recommended to take one of the following BIOL 136/136L, or 138/138L or 139/139L which will satisfy the Essential Studies Learning Outcome #6 requirement.

Core Requirements

AGRI 110 Agriculture Seminar I .....1	AGRI 334 Vegetation Manipulation Practices .....3
AGRI 132 Introduction to Animal Science.....3	AGRI 337 Applied Animal Nutrition .....3
AGRI 141 Introduction to Plant Science .....3	AGRI 339 & 339L Rangeland Plant ID & Lab .....3
AGRI 151 Foundations of Nutrition & Metabolism...3	AGRI 350 Rangeland Ungulate Production.....3
AGRI 242 Prin of Rangeland & Forage Mgmt.....3	AGRI 410 Agriculture Seminar II .....1
AGRI 245 & 245L Prin of Soil Science & Lab .....4	AGRI 428 & 428L Habitat Invent & Analysis & Lab.3
AGRI 310 Careers in Agriculture .....1	AGRI 438 Land Resource Management Planning..... 3
	Total 37

Rangeland Ecology Option

A student must complete the following program in addition to the Core and the Essential Studies requirements.

Core Requirements .....37	AGRON 477 Great Plains Pedology* .....4
AGRI 235 Introduction to Wildlife Management .....3	OR
AGRI 259 Agricultural Economics & Agribusiness...3	GEOS 322 Introduction to GIS .....3
AGRI 436 Rangeland and Fire Ecology .....3	BIOL 238 & 238L Plant Morphology & Lab.....3
AGRI 444 Grass Systematics	OR
OR	BIOL 439 & 439L Plant Physiology & Lab .....3
BIOL 438 & 438L Taxonomy of Plants & Lab .....3	BIOL 336 & 336L General Ecology & Lab .....3
	Total 58-59

Recommended Electives: In order to enhance employment opportunities, the following elective courses are recommended: AGRI 331, 333/333L, 336, 338, 420, 451; BIOL 337; GEOS 321, 322 or at the University of Nebraska - Lincoln courses in Natural Resource Policy, Watershed Management, Principles of Forestry, Disturbed Land Reclamation, and Remote Sensing/GIS.

*Course offered by the University of Nebraska-Lincoln and accepted for credit by CSC as part of the 3 + 1 agreement.

Rangeland Fire Management Option

This program is designed for students who will complete two years at Casper College, or other two year schools with a similar curriculum, and who will then transfer to Chadron State College to complete a Bachelor of Science degree in Rangeland Management. A student must complete the following program in addition to the Core and the CSC Essential Studies Requirements. See an agriculture advisor on the Chadron State College campus for the courses to be taken at Chadron State College.

Core Requirements	37	FIRE 1830	Intermediate Wildland Fire Behavior.....	3	
FIRE 1500	Introduction to Fire Science	3	FIRE 1840	Single Resource Boss/Crew	3
FIRE 1510	Fire Fighting Strategy & Tactics I.....	3	FIRE 1991	Wildland Leadership	3
FIRE 1520	Fire Fighting Strategy & Tactics II	3	Total	58	
FIRE 1810	Introduction to Wildland Fire Fighting ...	3			

Classes with the FIRE prefix here are only available at Casper College. See Essential Studies transfers for electives to take at Casper College to meet the Essential Studies required by CSC. See Applied Sciences transfers for courses at Casper College that would meet some of the core requirements. A maximum total of 66 transfer hours will be applied towards the CSC Bachelor of Science degree. For further information see the Additional Information for Transfer Students section of the CSC Undergraduate Catalog.

- <http://www.csc.edu/admission/transfer/guides/casper.csc>
- http://www.csc.edu/admission/transfer/guides/casper_applied.csc
- <http://www.csc.edu/admission/transfer/guides/transfercredit.csc>

CSC requires 40 hours of upper division classes for degree completion. Potential upper division classes: GPS, GIS, Range and Fire Ecology, General Ecology, Rangeland Wildlife, Taxonomy of Plants, Agricultural Economics and Agribusiness, Mammalogy, Limnology, Environmental Management, and others.

Rangeland Livestock Management Option

A student must complete the following program in addition to the Core and the Essential Studies requirements.

Core Requirements	37	Animal Science Electives from list below	9	
AGRI 234& 234L	Prin of Animal Nutrition & Lab	3	Business Electives from list below	6
AGRI 331	Farm and Ranch Management.....	3	Total	58

Animal Science Electives: Select at least nine (9) hours from the following: AGRI 324, 333/333L, 336, 338, 427/427L, 447.

Business Electives: Select six (6) hours from the following: ACTG 241; AGRI 259, 329; ECON 231, 232; FIN 330.

Recommended Electives: In order to enhance employment opportunities, the following elective courses are recommended: AGRI 335, 420, 431, 436, 451; GEOS 321, 322

Rangeland Wildlife Management Option

A student must complete the following program in addition to the Core and the Essential Studies requirements.

Core Requirements	37	AGRI 435	Wildlife Management Practicum.....	3	
AGRI 235	Introduction to Wildlife Management.....	3	AGRI 445 & 445L	Mammalogy & Lab	3
AGRI 325	Rangeland Wildlife Management.....	3	AGRI 451	Human Dimensions of Wildlife Mgmt.....	3
AGRI 426	Wildlife Research and Mgmt Tech	3	BIOL 401	Ornithology	3
			Total	58	

To enhance employment potential, students are recommended to take courses from the following: AGRI 234/234L, 324, 427/427L, 436; GEOS 321, 322; MATH 138, 232. Recommended Biology electives are BIOL 139/139L, 239/239L, 337, 343/343L, 427, 431/431L, 444/444L, or the Wildlife Biology Minor.

Bachelor of Science in Natural Resources WITH A MAJOR IN GRASSLAND ECOLOGY AND

MANAGEMENT: This program is designed for students who will complete two years at Chadron State College and who will then transfer to the University of Nebraska-Lincoln to complete a Bachelor of Science degree from the University of Nebraska-Lincoln. Please see an agriculture advisor on the Chadron State College campus for the courses to be taken at Chadron State College.

Bachelor of Science in Agriculture Sciences WITH A MAJOR IN AGRICULTURAL EDUCATION: This program is designed for students who will complete 3 years at Chadron State College and who will then transfer to the University of Nebraska-Lincoln to complete a Bachelor of Science degree from the University of Nebraska-Lincoln. Please see an agriculture advisor on the Chadron State College campus for the courses to be taken at Chadron State College.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN BUSINESS ADMINISTRATION with AGRIBUSINESS OPTION: See Business Department.

MINORS in Agriculture

Agricultural Plant Science: This minor is recommended for the student interested in the plant sciences and enrolled in a major other than rangeland management. Rangeland management majors are advised to complete the Minor in Plant Sciences offered by Biology

AGRI 141	Introduction to Plant Science	3	BIOL 439 & 439L	Plant Physiology & Lab	3	
AGRI 245 & 245L	Prin of Soil Science & Lab	4	BIOL 438 & 438L	Taxonomy of Plants & Lab		
AGRI 339 & 339L	Rangeland Plant ID & Lab	3	OR			
AGRI 428 & 428L	Habitat Invent & Analysis & Lab.3		AGRI 444	Grass Systematics.....	3	
BIOL 238 & 238L	Plant Morphology & Lab		GEOS 322	Introduction to GPS.....	1	
OR			Total			20

Animal Science: This minor is recommended for the student interested in the animal sciences and enrolled in a major other than rangeland management.

AGRI 110	Agriculture Seminar I	1	Animal Production	electives to be selected from	list	
AGRI 132	Introduction to Animal Science.....	3	below.....	.....	6
AGRI 242	Prin of Rangeland & Forage Mgmt	3	Animal Anatomy/Physiology	to be selected from	list	
AGRI 310	Careers in Agriculture	1	below.....	.....	3
AGRI 337	Applied Animal Nutrition	3	Total			20

Animal Production: Select at least six (6) hours from the following: AGRI 324, 333/333L, 336, 350.

Animal Anatomy/Physiology: Select at least three (3) hours from the following: AGRI 427/427L, 447.

Equine Management: This minor is recommended for the students who want a basic understanding of Equine Management and enrolled in a major other than rangeland management.

AGRI 110	Agriculture Seminar I	1	AGRI 346	Equine Communications I.....	3	
AGRI 132	Introduction to Animal Science.....	3	AGRI 347	Equine Communications II.....	3	
AGRI 242	Prin of Rangeland & Forage Mgmt	3	AGRI 429	Equine Industry Applied Field Studies	2	
AGRI 331	Farm & Ranch Management	3	Total			21
AGRI 335	Horse Production.....	3				

Rangeland Management: This minor is recommended for the student that wants a basic understanding of rangeland management that will complement a major other than rangeland management.

AGRI 110	Agriculture Seminar I	1	AGRI 428 & 428L	Habitat Invent & Analysis & Lab....	3	
AGRI 141	Introduction to Plant Science	3	Choose 7 hrs of electives from below.....	.....	7	
AGRI 242	Prin of Rangeland & Forage Mgmt.....	3	Total			20
AGRI 339 & 339L	Rangeland Plant ID & Lab	3				

Electives: AGRI 132, 235, 333/333L, 334, 337, 350, 436, GEOS 321, 322

Veterinary Science: This minor is recommended for the student that is interested in veterinary science and enrolled in a major other than rangeland management.

AGRI 132	Introduction to Animal Science.....	3	AGRI 445 & 445L	Mammalogy & Lab	3	
AGRI 234 & 234L	Prin of Animal Nutrition & Lab	3	AGRI 447	Animal Breeding & Reproduction	3	
AGRI 337	Applied Animal Nutrition	3	Electives .....	.....	3
AGRI 410	Ag Seminar	1	Total			23
AGRI 427 & 427L	Animal Anat & Phys & Lab	4				

Electives: AGRI 324, 333/333L, 335, 336, 337, 338 451; BIOL 324, 341/341L, 343/343L, 430, 431, 432/432L.

Wildlife Management: This minor is recommended for the student interested in wildlife management. Rangeland management majors are advised to complete the Minor in Wildlife Management offered by Biology.

AGRI 235	Introduction to Wildlife Management.....3	AGRI 445 & 445L	Mammalogy & Lab 3
AGRI 325	Rangeland Wildlife Management.....3	BIOL 401	Ornithology 3
AGRI 426	Wildlife Research and Mgmt Tech .....3	Electives	..... 3
AGRI 435	Wildlife Management Practicum.....3		Total 21

To satisfy wildlife electives and to enhance employment potential, students are recommended to take courses from the following: AGRI 245/245L, 324, 339/339L, 428/428L, 436, 451; BIOL 343/343L, 427, 431/431L, 444/444L, GEOS 321, 322, MATH 232.

AMERICAN INDIAN STUDIES

Student Learning Outcomes

- Students will compare and contrast American Indian societies and cultures.
- Students will define and describe Lakota society and culture, and assess its effect upon the High Plains.
- Students will trace the development of American Indians’ contemporary circumstances and situations.

MINOR in American Indian Studies

A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline:

ANTH 337	People & Cultures of North America..... 3	Electives from list below	..... 12
ENG 435	Native American Literature..... 3		Total 21
HIST 363	American Indian History..... 3		

Electives to be selected from following: AIS 131, 132, 334, 430, 436; ANTH 430, 435; BIOL 448/448L; HIST 361.

Academic Certificate Program

A student may be awarded a Certificate in American Indian Studies upon successful completion of the American Indian Studies minor program listed above.

ART

Mission Statement

The Chadron State College Art Department provides a comprehensive course of study in the visual arts while preparing students for careers in Art Education, Studio Art, Graphic Design and Gallery/Museum operations. The program encourages personal and artistic growth in a student-centered learning environment and is dedicated to creating a classroom experience strong in the production of art, the knowledge of historical context, the use of critical thinking, and the understanding of aesthetics. The department enriches life in the Western High Plains region by providing educational opportunities, research, service, and visual arts programs that contribute to the vitality and diversity of the region.

Student Learning Outcomes

The outcomes of the Art discipline are as follows:

- Art History: Students will be exposed to artists, artwork and art historical movements in order to identify and discuss art history and its cultural impact.
- Production: Students will learn about and demonstrate their ability to use a variety of media and techniques.
- Aesthetic: Students will learn the basic principles and concepts related to art and will demonstrate their understanding of those principles and concepts in the viewing and discussion of, writing about and production of arts.
- Criticism: Each student will gain a base knowledge of art and will be able to make informed assessments about historical images, work by fellow students, and their own work.

Requirements

1. All art majors are required to complete Art 131, 133, 136, and 230 prior to or by permission of the instructor before enrolling in any other studio courses.
2. All incoming freshman art majors with the assistance of the art faculty must complete an entry level survey of their previous art experience for assessment purposes.
3. To complete the requirements for a degree in Art each senior art major must participate in one Senior Thesis Exhibit during his/her final year. All seniors must come to the instructor to obtain permission prior to enrolling for Art 412.
4. B.S.E. candidates must enroll in Senior Thesis the semester prior to enrolling in student teaching. (Note: The Secondary Methods course in art is offered only during the fall semester.)
5. The senior exhibit must reflect the student’s ability to create Art in at least two media, including works from their option area. All works must have been completed on the college level and within the past two years. The students, as a requirement of their senior thesis, must be involved in the setting up of art gallery exhibits, and supply the department a senior thesis portfolio.
6. Art students will not be permitted to enroll in Advanced Art Studio, Topics, Seminar, or Independent Study courses until they have completed the beginning and advanced required courses in the media or topic selected for advanced study.
7. **NOTE:** ART 400, 430, 500, 530 are all three credit hour courses and may only be taken for a combined total of nine hours in any studio area.
8. Materials fee will be assessed for most Art courses.
9. All art majors must earn a letter grade of C (2.0) or above in all required ART/MS courses to graduate.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN ART: A student must complete the following core and one option area in addition to the Essential Studies requirements and the graduation literacy requirement. All art majors are required to complete ART 131, 133, 136 and 230 prior to or by permission of instructor before enrolling in any other studio courses.

Core Requirements

ART 131	Drawing I	3	ART 229	Introduction to Graphic Design.....	3
ART 133	Design Fundamentals I.....	3	ART 230	Design Fundamentals II	2
ART 136	Drawing II.....	3	ART 232	Painting I.....	3
ART 223	Introduction to Photography OR		ART 321	Glass I (a) or (b)	3
ART 323	Creative Photography.....	3	ART 338	Art History Survey I.....	3
ART 225	Printmaking I.....	3	ART 339	Art History Survey II	3
ART 227	Sculpture I.....	3	ART 412	Senior Thesis.....	<u>1</u>
ART 228	Ceramics I.....	3		Total	39

Art Studio Option

Core requirements.....	39	*Electives selected from list below	<u>12</u>
ART 320	Figure Drawing		Total
ART 340	20th Century Art Survey		57

*Electives may be selected from

ART 325	Printmaking II	ART 343	Digital Photography
ART 331	Watercolor	ART 421A or B	Glass II
ART 332	Painting II	ART 428	Ceramics II
ART 337	Sculpture II	ART 237 or 437	Creative Crafts I or II

The following courses are suggested to enhance employment opportunities: BA 331; MKTG 231, 334, 335, 336, 338, 435, 439.

The following minors are suggested to enhance employment opportunities: Business, Marketing/Entrepreneurship, and Museum Studies.

Gallery/Museum Option

Core requirements	39	MS 333	Museum Administration.....	3	
MS 231	Intro to Museum Studies	3	MS 340	Museum Education.....	3
MS 330	Mgmt & Care of Collections.....	3	MS/Art 390	Internship in Gallery Practice.....	3
MS 331	Exhibit Design.....	3		Total	57

The following courses are suggested to enhance employment opportunities: ART 322, 329, 340; BA 331; BIS 230; CA 233, 250, 335, 350, 443; FCS 341; MKTG 231, 334, 335; MS 235.

The following minors are suggested to enhance employment opportunities: Business, Marketing/Entrepreneurship, and Communication Arts.

Graphic Design Option

Core requirements.....	39	ART 343	Digital Photography	3	
ART 322	Graphic Design I.....	3	ART 411	Graphic Design III.....	3
ART 329	Graphic Design II.....	3	ART 422	Graphic Design Practicum	3
ART 340	Twentieth Century Art Survey	3		Total	57

The following courses are suggested to enhance employment opportunities: CA 225, 233, 250, 335, 346, 350, 431, 434, 442, 443; BA 331; MKTG 231, 334, 335, 336, 338, 435, 439; MS 231, 331, 390.

The following minors are suggested to enhance employment opportunities: Communication Arts, Business, Marketing/Entrepreneurship, and Museum Studies.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN ART (K-12): All art majors are required to complete ART 131, 133, 136 and 230 prior to enrolling in any other studio courses. A student must complete the following requirements, the Essential Studies requirements, the graduation literacy requirement and Professional Education requirements

ART 131	Drawing I.....	3	ART 230	Design Fundamentals II	2
ART 133	Design Fundamentals I.....	3	ART 232	Painting I.....	3
ART 136	Drawing II.....	3	ART 321	Glass I (a) or (b)	3
ART 223	Introduction to Photography		ART 334	Art for the Elem/MS Teacher.....	3
	OR		ART 338	Art History Survey I.....	3
ART 323	Creative Photography.....	3	ART 339	Art History Survey II	3
ART 225	Printmaking I.....	3	ART 340	Twentieth Century Art Survey	3
ART 227	Sculpture I.....	3	ART 412	Senior Thesis.....	1
ART 228	Ceramics I.....	3	*Electives selected from list below	9	
ART 229	Introduction to Graphic Design.....	3		Total	54

*Electives may be selected from

ART 322	Graphic Design I	ART 343	Digital Photography
ART 325	Printmaking II	ART 421A or B	Glass II
ART 331	Watercolor	ART 428	Ceramics II
ART 332	Painting II	ART 237 or 437	Creative Crafts I or II
ART 337	Sculpture II		

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN ART (4-9): A student must complete the following program in addition to the Essential Studies, the graduation literacy requirement, Professional Education Middle Grades requirements and one other Content Area of Specialization for Middle Grades.

ART 131	Drawing I	3	ART 338	Art History Survey I	
ART 133	Design Fundamentals I.....	3		OR	
ART 228	Ceramics I	3	ART 339	Art History Survey II	
ART 229	Introduction to Graphic Design.....	3		OR	
ART 232	Painting I.....	3	ART 340	20th Century Art Survey	3
ART 334	Art for the Elem/MS Teacher	3			Total 21

MINOR in Art

Art: A student must complete the following program, a major in another area, and the Essential Studies requirements.

ART 131	Drawing I	3	ART 225, 227, 228, 229, 232, 237, 321(a or b).....	6
ART 133	Design Fundamentals I.....	3	Electives in Art.....	9
Select two from the following:				Total 21

AREA OF CONCENTRATION – Elementary Education

Art: A student must complete the following program in addition to the Essential Studies and Professional Education, Elementary Education requirements.

ART 131	Drawing I	3
ART 133	Design Fundamentals I.....	3
ART 228	Ceramics I	3
		Total 9

BIOLOGY

Biology Mission Statement

The Chadron State College biology program cultivates an understanding of scientific inquiry and its limitations, the differences and interconnectedness among various scales of focus, and the components and emergent properties inherent between different levels of living systems.

Student Learning Outcomes

1. Students will exhibit a strong knowledge base and the skills to be lifelong learners.
 - Students will exhibit a strong foundational knowledge to be able to acquire new information and apply scientific reasoning to critically evaluate information.
 - Students will apply logical reasoning and organizational skills to integrate new information into their functional knowledge base.
 - Students will integrate information from different scales of view and demonstrate understanding of components and emergent properties among different levels of living systems.
2. Students will be prepared for their profession in the science discipline.
 - Students will articulate the interrelatedness of science, technology, and society, and effectively communicate scientific knowledge to a diverse audience.
 - Students will embody the professional characteristics appropriate for their chosen career.
 - Students will effectively utilize scientific inquiry and reasoning to address issues within their profession.

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN BIOLOGY: A student must complete the core requirements, an option, and the Essential Studies requirements. Students pursuing a comprehensive major in biology should take MATH 138 or 232 as their Essential Studies Math requirement. **NOTE:** Students may earn only one option within the Biology Major, although they are encouraged to take additional courses to expand their scientific knowledge and abilities.

Some courses require successful completion of Pre-requisite courses prior to enrollment, as articulated in the catalog course descriptions. Successful completion means earning a “C” or better in the Pre-requisite course(s).

Core Requirements

BIOL 138 & 138L General Botany & Lab	3	
BIOL 139 & 139L General Zoology & Lab	3	
BIOL 225 Cellular Biology	3	
BIOL 311 Biology Seminar I	1	
BIOL 332 Genetics.....	3	
BIOL341 & 341L Microbiology & Lab	4	
BIOL 410 Biology Seminar II.....	1	
CHEM 131 & 131L College Chem & Lab		
		OR
		*CHEM 140 & 140L Survey of Chemistry & Lab..... 4
		**CHEM 335 & 335L Biochemistry I & Lab
		OR
		CHEM 433 & 433L Envirn Chem & Lab..... 4
		BIOL 458 Evolution..... 3
		Total 29

*CHEM 131/131L may be substituted. Students should look at option requirements and career expectations/graduate program entrance requirements and discuss with faculty advisor whether CHEM 140/140L or CHEM 131/131L and CHEM 132/132L is appropriate.

**Students should discuss appropriate course selection with faculty advisor; generally, students pursuing a human biology or molecular biology option will take Biochemistry I; those focusing in environmental biology will generally take Environmental Chemistry.

Environmental Resource Management Option

Core Requirements	29	BIOL 444 & 444L Limnology & Lab.....	3
BIOL 336 & 336L General Ecology & Lab.....	3	CHEM 132 & 132L College Chem II & Lab	4
BIOL 337 Environmental Management.....	3	Electives to be selected from	
BIOL 431 & 431L Entomology & Lab	3	BIOL 238, 238L, 239, 239L, 401, 401L, or 427	
BIOL 435 & 435L Mammology & Lab		or CHEM 342/342L	6
		OR	
BIOL 438 & 438L Taxonomy of Plants & Lab	3	BIOL 439 & 439L Plant Physiology & Lab	3
			Total 57

Students entering the Environmental Resource Management field are encouraged to pursue a minor in Applied Statistics, Environmental Chemistry, Geoscience, Water Resource Management, or Rangeland Wildlife Management.

General Biology Option

Core Requirements	29	BIOL 449 Molecular Biology	3
BIOL 231 & 231L Anatomy & Physiology & Lab.....	4	CHEM 132 & 132L College Chemistry	
BIOL 238 & 238L Plant Morphology & Lab.....	4	OR	
BIOL 239 & 239L Animal Classification & Lab.....	4	CHEM 231 & 231L Survey of Organic Chem & Lab .	4
BIOL 336 & 336L General Ecology & Lab.....	3	Upper Division Biology Electives	3
BIOL 432 & 432L Developmental Biology & Lab.....	3		Total 57

Human Biology Option

Core Requirements	29	BIOL 430 Immunology	
BIOL 340 & 340L Human Anatomy & Lab	4	OR	
BIOL 342 & 342L Human Physiology & Lab	4	BIOL 433 & 433L Human Biomechanics & Lab	3
BIOL 343 & 343L Parasitology & Lab		BIOL 432 & 432L Developmental Biol & Lab	3
		OR	
BIOL 456 & 456L Pathogenic Micro & Lab	3	BIOL 449 Molecular Biology	3
		CHEM 231 & 231L Survey of Org Chem & Lab	4
		PSYC 131 General Psychology	3
			Total 56

*Student should look at career/professional program entrance requirements and discuss with faculty advisor whether CHEM 231/231L or CHEM 333/333L and 334/334L is appropriate.

Molecular Biology Option

Core Requirements	29	BIOL 432 & 432L Developmental Biol & Lab	3
BIOL 314 Biotechnology	3	BIOL 436B Intro to Scientific Research	2
BIOL 390 Biological Internship		BIOL 449 Molecular Biology	3
OR		CHEM 231 & 231L Survey of Org Chem & Lab.....	4
BIOL 409 Senior Biology Research.....	3	PHYS 241 & 241L University Physics I & Lab	5
BIOL 430 Immunology		Biology Electives	<u>5</u>
OR		Total	57

Wildlife Biology Option

Core Requirements	29	BIOL 337 Environmental Management	3
AGRI 427 & 427L Animal Anatomy and Physiology..	4	BIOL 343 & 343L Parasitology	3
BIOL 239 & 239L Animal Classification.....	4	OR	
BIOL 238 & 238L Plant Morphology	4	BIOL 431 & 431L Entomology.....	3
OR		BIOL 438 & 438L Taxonomy of Plants	3
BIOL 439 & 439L Plant Physiology	3	GEOS 322 Introduction to GIS	<u>3</u>
BIOL 336 & 336L General Ecology.....	3	Total	55-56

To enhance employment potential it is recommended that the student complement this degree with a minor in Rangeland Wildlife Management.

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN BIOLOGY (7-12): A student must complete the following program in addition to the Professional Education, and Essential Studies Program requirements. Students pursuing this endorsement must complete MATH 138 as the Essential Studies Outcome #4 requirement and PHYS 435 as one of the Essential Studies Outcome #9 requirements. A final grade of “C” or better must be attained in all endorsement area courses

BIOL 138 & 138L General Botany & Lab.....	3	BIOL 336 & 336L General Ecology & Lab.....	3
BIOL 139 & 139L General Zoology & Lab.....	3	BIOL 341 & 341L Microbiology & Lab.....	4
BIOL 225 Cellular Biology	3	#CHEM 140 & 140L Survey of Chemistry & Lab.....	4
BIOL 231 & 231L Anat. & Physiology & Lab.....	4	##CHEM 231 & 231L Survey of Org Chem & Lab....	4
BIOL 311 Biology Seminar I	1	GEOS 231 & 231L Physical Geology & Lab	4
BIOL 314 Biotechnology	3	PHYS 241 & 241L University Physics I & Lab	<u>5</u>
BIOL 332 Genetics	3	Total	44

#CHEM 131/131L and CHEM 132/132L may be substituted. See Biology advisor.

##CHEM 333/333L and CHEM 334/334L may be substituted. See Biology advisor.

MINORS in Life Sciences

Biology: A student must complete the program listed below in addition to the Essential Studies Requirements and a major in another discipline.

BIOL 225 Cellular Biology	3	BIOL 332 Genetics.....	3
BIOL 138 & 138L General Botany & Lab	3	Upper Division Biology Electives*	<u>9</u>
BIOL 139 & 139L General Zoology & Lab	3	Total	21

*Students selecting this minor are strongly encouraged to seek counsel with biology faculty to determine appropriate electives

Human Biology: A student must complete the program below in addition to the Essential Studies requirements and a major outside of the Biology discipline.

BIOL 139 & 139L General Zoology & Lab	3	CHEM 140 & 140L Survey of Chemistry & Lab.....	4
BIOL 225 Cellular Biology	3	Biology Upper Division Electives	<u>3</u>
BIOL 231 & 231L Human Anat & Phys & Lab.....	4	Total	20
BIOL 332 Genetics.....	3		

Plant Sciences: A student must complete the program below in addition to the Essential Studies requirements and a major.

AGRI 245 & 245L Principles of Soil Science & Lab.. 4	BIOL 438 & 438L Taxonomy of Plants & Lab..... 3
AGRI 339 & 339L Range Plant Identification & Lab. 3	BIOL 439 & 439L Plant Physiology & Lab 3
BIOL 138 & 138L General Botany & Lab 3	Total 19
BIOL 336 & 336L General Ecology & Lab 3	

Wildlife Biology: This minor is recommended for students interested in wildlife biology and enrolled in a major other than biology. Students pursuing this minor are recommended to take BIOL 139/139L for Essential Studies.

AGRI 427 & 427L Animal Anatomy and Physiology.. 4	BIOL 431 & 431L Entomology..... 3
BIOL 336 & 336L General Ecology..... 3	BIOL 438 & 438L Taxonomy of Plants 3
BIOL 337 Environmental Management 3	Total 19
BIOL 343 & 343L Parasitology 3	

Students interested in pursuing science education should reference the natural science field endorsement, middle grades specialization, and elementary science minor under Physical Sciences.

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN HEALTH SCIENCES: This degree provides health professionals an opportunity to earn a bachelor’s degree. This degree is not intended to replace a bachelor’s degree in a specific health profession; therefore, consultation with the Registrar and the Health Professions Office at Chadron State College regarding the appropriateness of this degree for each student is important.

To be eligible for this degree, each student must have successfully completed one or more of the following in an appropriately accredited professional program:

1. An eighteen month or longer professional program in Radiography, Nuclear Medicine Technology, Diagnostic Medical Sonography, Radiation Therapy, Nursing, Occupational Therapy Assistant, Physical Therapy Assistant, Mortuary Science, or Respiratory Therapy.
2. One year of a professional program in Veterinary Medicine, Pharmacy, Chiropractic Medicine, or a professional program in another of the health sciences that requires three or more years of study.
3. A student with eighteen months or more of professional education in a field not listed above may earn this degree by requesting specific permission and approval of the Registrar and the Health Professions Office. Chadron State College will determine the appropriate application of credits for each professional program listed by each applicant.
4. The professional program(s) attended must require a high school diploma or equivalent as an entrance requirement and have at least 25% of the training program as academic work in the classroom. The remaining 75% can be clinical training. The professional program should also be at the upper division or graduate level, and not concurrently offer a baccalaureate degree. The student is responsible for proving these conditions exist.

To earn this degree the student must complete at least 30 semester hours of Chadron State College credit before or after the professional program of studies, the comprehensive major as subsequently described, 40 upper division hours, 120 semester hours of college credit, and the Essential Studies requirements as subsequently listed. Should the professional program component not total 30 semester hours the student must earn additional Chadron State College credit at the upper division level to meet the 120 total credit hour minimum.

Admission requirements to a professional program and thus graduation requirements may change between the date a catalog is published and the date a student may expect to be graduated. Therefore, each student must consult with the Health Professions Office/Advisor and the Records Office at CSCAs well as the professional school(s) of their choice at least once each calendar year for the latest requirements.

Each student must complete the core requirements, one option, and listed additional specified courses.

Core Requirements

BIOL 225 Cellular Biology	3	BIOL 410 Biology Seminar II.....	1
BIOL 231 & 231L Anatomy and Physiology & Lab OR		CHEM 131 & 131L College Chemistry I & Lab ¹	4
BIOL 340 & 340L Human Anatomy & Lab.....	4	CHEM 132 & 132L College Chemistry II & Lab ¹	4
BIOL 311 Biology Seminar I	1	CHEM 231 & 231L Survey of Org Chem & Lab ²	4
BIOL 332 Genetics.....	3	CHEM 335 & 335L Biochemistry I & Lab	<u>4</u>
		Total	22-28

1. Health Professions majors should check with their prospective profession schools to determine which course is required, as some schools recommend BIOL 340/340L and 342/342L in place of BIOL 231/231L. Additionally, students need to check within the option requirements below.
2. General health care, and radiological technology students may replace the courses listed with CHEM 140/140L. Discuss this with your academic advisor to determine if the substitution is correct for the professional program you plan to attend.
3. Pre-chiropractic medicine and pre-pharmacy must replace the courses listed with CHEM 333/333L and CHEM 334/334L. Pre-chiropractic medicine must take BIOL340/340L. Pre-veterinary medicine students should check with their prospective professional schools, as many schools (i.e. Iowa State University) require CHEM 333/333L and 334/334L in place of CHEM 231/231L. Radiologic technology students MUST substitute PHYS 241/241L for CHEM 231/231L.
4. Radiologic technology students substitute Health Physics I, Radiation Physics I, and Radiobiology from the RWMC Radiologic Technology Certificate Program or Radiation Science and Advanced Radiation Science from the Rapid City Radiologic Technology for CHEM 335 with lab. Review and Presentation from the RWMC Radiology Program or Independent Study from the Rapid City Regional Hospital Radiography Program are substituted for BIOL 410.

General Health Care Option

The General Health Care Option of the Health Sciences Degree is available only to students pursuing a career choice for which an option is not described. The selected professional program must meet the standards as listed in the beginning information for the Health Sciences Degree. The elective courses for this option will be selected by the student and the student's advisor at Chadron State College, reviewed by the Health Professions Director and the Department Chair of the Physical and Life Sciences Department, and approved by the Dean of Curriculum and Graduate Studies. The Program courses selected for this option must total 27-30 semester credit hours. The courses selected will typically be in the science and mathematics areas but can be from other disciplines if it best serves the needs of the student. The program form is available from the Health Professions Office. The completed degree plan must be filed with the Record's Office, the Health Professions Office, and the student's advisor.

Core Requirements	24-28
Program Electives (See above paragraph)	<u>27-30</u>
Total	54

Other Pre-requisite Courses*

BIOL 139 & 139L General Zoology & Lab	3	ENG 136 Composition II	3
CA Communication Arts Course	3	MATH 232 Applied Statistics	3
ENG 135 Composition I.....	3	PSYC 131 General Psychology	<u>3</u>
		Total	18

In addition, students MUST take a course from each of the following Essential Studies components: #1, 2, 3, 4, 5, 6, 7, 8, and select one course from either component 10 OR 11. The Pre-requisite courses above can be used to satisfy Essential Studies components 2, 3, 4, and 6; therefore, no additional courses are needed to satisfy these requirements

*Pre-requisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

Minimum hours through CSC	90	Upper Division/Graduate Hours	<u>30</u>
Minimum hours from professional program –		Minimum total	120

Pre-Chiropractic Medicine Option

Students must complete the core requirements as well as the courses listed below; and one year of an appropriately accredited professional program in Chiropractic Medicine.

Core Requirements	28	MGMT 230 Principles of Management	
BIOL 342 & 342L Human Physiology & Lab.....	4	OR	
BIOL 433 & 433L Human Biomechanics	3	MGMT 231 Principles of Marketing	
ECON 130 Survey of Economics		OR	
OR		ACTG 241 Accounting Principles	3
ECON 232 Microeconomics.....	3	PHYS 241 & 241L University Physics I & Lab	<u>5</u>
		Total	46

Other Pre-requisite Courses*

BIOL 139 & 139 L General Zoology & Lab	3	MATH 138 Applied Calculus.....	3
CA Communication Arts Course.....	3	PSYC 131 General Psychology	3
ENG 135 Composition I.....	3	Electives	<u>5</u>
ENG 136 Composition II	3	Total	26
FCS 247 Nutrition.....	3		

In addition, students MUST take a course from each of the following Essential Studies components: #1, 2, 3, 4, 5, 6, 7, 8, and select one course from either component 10 OR 11. Pre-requisite courses above can be used to satisfy Essential Studies components 2, 3, 4, 6, and 11; therefore, no additional courses are needed to satisfy these requirements

* Pre-requisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

Minimum hours through CSC	90
One year of a professional program in Chiropractic Medicine - Upper Division/Graduate Hours.....	<u>30</u>
Minimum total.....	120

Pre-Pharmacy Option

Students must complete the core requirements as well as the courses listed below; and one year of an appropriately accredited professional Doctor of Pharmacy program.

Core Requirements	32	CHEM 341& 341L Quantitative Analysis & Lab	4
BIOL 341 & 341L Microbiology & Lab	4	ECON 232 Microeconomics	3
OR		MATH 151 Calculus I	5
BIOL 449 Molecular Biology.....	3	PHYS 241 & 241L University Physics I & Lab	<u>5</u>
BIOL 342 & 342L Human Physiology & Lab.....	4	Total	56-57

Program electives must be carefully selected with advisor consultation.

Other Pre-requisite Courses*

BIOL 139 & 139L General Zoology & Lab	3	ENG 136 Composition II	3
CA Communication Arts Course	3	MATH 232 Applied Statistics	3
ENG 135 Composition I.....	3	PSYC 131 General Psychology	<u>3</u>
		Total	18

In addition, students MUST take a course from each of the following Essential Studies components: #1, 2, 3, 4, 5, 6, 7, 8, and select one course from either component 10 OR 11. Pre-requisite courses above can be used to satisfy Essential Studies components 2, 3, 4, and 6; therefore, no additional courses are needed to satisfy these requirements

*Pre-requisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

Minimum hours through CSC92
 One year of a professional program in Pharmacy -

Upper Division Hours.....30
 Minimum total 122

Pre-Veterinary Medicine Option

Students interested in earning this degree from Chadron State College must complete the core requirements; the courses listed below and one year of an accredited professional program in veterinary medicine. Students interested in earning this degree should consult with their advisor as soon as possible as Pre-requisite courses vary widely between professional programs.

Core Requirements	28 ¹	BIOL 139/139L General Zoology & Lab.....	3
AGRI 132 Animal Science	3	BIOL 341/341L Microbiology & Lab.....	4
AGRI 234 & 234L Prin of Animal Nutrition & Lab	3	BIOL 432/432L Developmental Biology & Lab.....	3
AGRI 427 & 427L Animal Physiology & Lab.....	4	PHYS 241/241L Physics I ²	5
AGRI 447 Animal Breeding and Reproduction.....	3		Total 56

Other Pre-requisite Courses

AGRI 337 Applied Animal Nutrition.....	3	ENG 135 Composition I.....	3
BIOL 138 & 138L General Botany & Lab	3	ENG 136 Composition II	3
BIOL 431 & 431L Applied Animal Nutrition	3	MATH 138 Applied Calculus ³	3
CA Communication Arts Course.....	3		Total 21

In addition, students MUST take a course from each of the following Essential Studies components: #1, 2, 3, 4, 5, 6, 7, 8*, and select one course from either component 10 OR 11. Pre-requisite courses above can be used to satisfy Essential Studies components 2, 3, 4, and 6; therefore, no additional courses are needed to satisfy these requirements

* Pre-requisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

** Some professional programs require 2 History/Government courses instead of one; check with your advisor.

¹ Pre-vet majors should check with their prospective profession schools to determine which course is required, as some schools recommend BIOL 340/340L and 342/342L in place of BIOL 231/231L. In addition, many schools (i.e. Iowa State University) require CHEM 333/333L and 334/334L in place of CHEM 231/231L.

²Students should check with their prospective professional schools, as many schools require PHYS 242/242L in addition to PHYS 241/241L.

³Students should check with their prospective professional schools, as many schools require MATH 232 in addition to MATH 138.

Minimum hours through CSC95
 One year at an accredited Veterinary School.....30
 Minimum total..... 125

Radiologic Technology Option

This program is specific to the Regional West Medical Center (RWMC) and Rapid City Regional Hospital Radiologic Technology Certificate Program. Students must complete the core requirements as well as the courses listed below, and all Pre-requisites and required courses in the Radiologic Technology Certificate Program. *Degree requirements may be different for other accredited Radiologic Technology programs. Please see your advisor.*

Core Requirements*		24
(Additional core requirements completed in professional program: see note #4 under core requirements)		
BIOL 132 Medical Terminology		2
MATH 138 Applied Calculus		3
PSYC 131 General Psychology		3
Program Specific Requirements:		
	Rapid City	BIOL 342/342L Human Physiology & Lab .....3
		PHYS 242/242L University Physics II & Lab..... 5
	Regional West	ENG 136 Composition II 3
		SOC 231 Introduction to Sociology
		OR
		SOC 230 Sociology or Global Comp..... <u>3</u>
		Total 46

Other Pre-requisite Courses*

BIOL 139 & 139L General Zoology & Lab	3
CA Communication Arts Course	3
ENG 135 Composition I	3
MATH 232 Applied Statistics	<u>3</u>
Total	12

In addition, students MUST take a course from each of the following Essential Studies components: #1, 2, 3, 4, 6, 7, and 8. Pre-requisite courses above can be used to satisfy Essential Studies components 2, 3, 4, and 6; therefore, no additional courses are needed to satisfy these requirements

* Pre-requisite courses vary between professional programs; please see your advisor.

Minimum hours through CSC	59
Radiologic Technology Courses	<u>71</u>
Total	130

NOTE: forty-three (43) hours of the RWMC Radiologic Technology Certificate Program may be applied to the CSC upper division requirement.

RURAL HEALTH OPPORTUNITIES PROGRAM

The Rural Health Opportunities Program (RHOP) is a cooperative program between Chadron State College (CSC) and the University of Nebraska Medical Center (UNMC). The purpose of the program is to recruit and educate traditional and non-traditional students from rural Nebraska who will return to practice in the rural areas of the state. This program represents a commitment and dedication to the education of Nebraskans and to provide quality health care to the citizens of the state. RHOP currently has options in medicine, dentistry, dental hygiene, pharmacy, clinical laboratory science, physical therapy, nursing, physician assistant, and radiography. Admission into each option of the program is competitive. Participants and alternates in this program will be selected by a committee of faculty members from CSC and UNMC. Participants in this program must maintain a specified minimum GPA to be “in good standing” and remain in the program. For information, application forms, admissions criteria, criteria for evaluation of progress in the program, and programs of study please contact the Health Professions Office at CSC.

Options

Clinical Laboratory Science participants in “good standing” will be automatically admitted to UNMC’s School of Allied Health Professions when they have completed 95 hours of study at CSC. The student will receive a Bachelor of Science degree in Clinical Laboratory Science from UNMC upon successful completion of the four year program.

Dental Hygiene participants in “good standing” will be automatically admitted to UNMC’s School of Dentistry, West Division in Gering, NE when they have completed 63 hours of study at CSC. The student will receive a Bachelor of Science degree in Dental Hygiene upon successful completion of the four year program.

Dentistry participants in “good standing” will be automatically admitted to UNMC’s School of Dentistry when they earn a Bachelor of Science degree at CSC. The D.D.S. degree will be awarded by UNMC upon successful completion of the professional program.

Medicine participants in “good standing” will be automatically admitted to UNMC’s School of Medicine when they earn a Bachelor of Science degree at CSC. The M.D. degree will be awarded by UNMC upon successful completion of the professional program.

Nursing participants in “good standing” will be automatically admitted to UNMC’s School of Nursing, West Division in Scottsbluff, NE when they complete the required two year program at CSC. The student will earn a Bachelor of Science degree in Nursing from UNMC upon successful completion of the four year program.

Pharmacy participants in “good standing” will be automatically admitted to UNMC’s School of Pharmacy when they have completed 95 hours of study at CSC. Pharmacy participants may earn a B.S. in Health Sciences through the 3+1 program at CSC. The Doctor of Pharmacy (PharmD) degree will be awarded by UNMC upon successful completion of the professional program.

Physical Therapy participants in “good standing” will be automatically admitted to UNMC’s School of Allied Health Professions when they earn a Bachelor of Science degree at CSC. The Doctor of Physical Therapy will be awarded from UNMC upon successful completion of the professional program.

Physician Assistant participants in “good standing” will be automatically admitted to UNMC’s School of Allied Health Professions when they earn a Bachelor of Science degree at CSC. The Master of Physician Assistant degree will be awarded from UNMC upon successful completion of the professional program.

Radiography participants in “good standing” will be automatically admitted to UNMC’s School of Allied Health Professions when they complete the required two year program at CSC. The student will receive a Bachelor of Science degree in Radiation Science Technology from UNMC upon successful completion of the four year program.

Public Health Early Admission Student Track (PHEAST)

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

Nebraska residents in the second semester of their sophomore year at Chadron State College

- A minimum undergraduate grade point average of 3.30
- Recommended scores of 24 or higher on the ACT, or 1680 or higher on the SAT

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

- Visit the UNMC campus and mentors in the fall of their junior and senior years.
- Successfully complete the three semester-credit hour UNMC CoPH “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, regardless of concentration
- Obtain a recommended score of 1,000 or higher on the GRE
- Complete a Bachelor’s degree from CSC

BUSINESS

The Accreditation Council for Business Schools and Programs (ACBSP), a professional accreditation agency recognized by the Council of Higher Education Accreditation (CHEA), has awarded accreditation status to the following degree programs offered by the Department of Business:

- 1) Comprehensive Major in Business Administration
Options: Accounting, Agribusiness, Finance, Management, Business Information Systems, Marketing/ Entrepreneurship
- 2) Subject Major in General Business
- 3) Master of Business Administration

Vision

The Business department at Chadron State College provides nationally competitive professional preparation in Business Administration.

Mission

The faculty of the Business department is committed to preparing students for challenging careers in the rapidly changing, highly technological and culturally diverse world. The fundamental purpose of the Business department is to be the premier provider of professional business programs in our service region. We strive to combine excellence in teaching with appropriate coursework and classroom environments that emphasize critical thinking, human relation/communication skills, theoretical and professional skills, and lifelong learning environment designed for creative problem solving and decision making.

Student Learning Outcomes of Bachelor of Arts Program Business graduates will:

1. Be prepared to effectively practice their profession upon graduation by demonstrating competency in the core business functions.
2. Demonstrate an understanding of business by integrating the core business functions.
3. Attain a career or entrance into a graduate program in business or a related field.

Measurement Instruments:

The Business department will use a combination of instruments to measure the effectiveness of the learning outcomes. These instruments include but are not limited to: stakeholder surveys, internship data, course and option level evaluations and an exit exam to be completed in the capstone course.

The Degree of Bachelor of Arts with a SUBJECT MAJOR IN GENERAL BUSINESS: A student must complete the following program in addition to the Essential Studies requirements and a major or minor in another discipline. Transfer students from a two (2) year institution must complete 50% of the required courses for the major from Chadron State College. All Business Majors must complete MATH 138 Applied Calculus, MATH 142 College Algebra or MATH 151 Calculus I (or equivalent) prior to taking advanced (300-400) Finance, Economics and Management courses and BA 331 Business Communications (or equivalent). These two requirements may also fulfill the Essential Studies requirements in Mathematics and Communication.

ACTG 241	Accounting Principles I.....	3	ECON 232	Microeconomics	3
ACTG 242	Accounting Principles II.....	3	FIN 330	Principles of Finance	3
BA 336	Business & Economic Statistics	3	MGMT 230	Principles of Management.....	3
BA 337	Business Law	3	MGMT 434	Strategic Management.....	3
BIS 231	Principles of Information Systems	3	MKTG 231	Principles of Marketing.....	3
BIS 332	Decision Support for Managers.....	3			
ECON 231	Macroeconomics	3			
					Total 36

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN BUSINESS ADMINISTRATION: A student must complete the following core requirements in addition to a selected option and the Essential Studies Program requirements. Transfer students from a two (2) year institution must complete 50% of the required business administration degree courses from Chadron State College. All Business Majors must complete MATH 138 Applied Calculus, MATH 142 College Algebra or MATH 151 Calculus I (or equivalent) prior to taking advanced (300-400) Finance, Economics and Management courses and BA 331 Business Communications (or equivalent). These two requirements may also fulfill the Essential Studies requirements in Mathematics and Communication.

Core Requirements

ACTG 241	Accounting Principles I.....	3	ECON 231	Macroeconomics	3	
ACTG 242	Accounting Principles II.....	3	ECON 232	Microeconomics	3	
BA 336	Business and Economic Statistics	3	FIN 330	Principles of Finance.....	3	
BA 337	Business Law	3	MGMT 230	Principles of Management.....	3	
BIS 231	Principles of Information Systems	3	MGMT 434	Strategic Management.....	3	
BIS 332	Decision Support for Managers.....	3	MKTG 231	Principles of Marketing.....	3	
					Total	36

Students pursuing a degree in business are encouraged to complete an internship in business during their junior and senior year.

Accounting Option

Core Requirements	36	ACTG 430	Personal Income Tax.....	3	
ACTG 332	Accounting Information Systems.....	3	ACTG 431	Corporate/Fiduciary Tax	3
ACTG 337	Cost Management Accounting.....	3	ACTG 438	Auditing	3
ACTG 341	Intermediate Accounting I.....	3	Total		57
ACTG 342	Intermediate Accounting II	3			

Students completing the accounting option will have met the educational requirements to take professional examinations required to become a Certified Management Accountant (CMA), Certified Internal Auditor (CIA) and Certified Fraud Examiner (CFE).

Accounting Option: Certified Public Accountant Path

BA Degree: Accounting Option Requirements	57	BA 431	Professional Ethics	3	
ACTG 433	Government/Not-for-Profit Actg.....	3	BA 432	Legal Aspects of Business Ownership	3
ACTG 437	Advanced Cost Management Actg.....	3	Essential Studies	42	
ACTG 443	Advanced Financial Accounting	3	Electives	33	
BA 241	Quantitative Methods	3	Total		150

Accounting Option: Certified Public Accountant Path (with MBA)

BA Degree: Accounting Option Requirements	57	MBA Degree Requirements:		
1 of ACTG 433, 437 or 443.....	3	MBA Required Courses	27	
BA 241	Quantitative Methods	MBA Professional Courses:		
BA 431	Professional Ethics	2 of ACTG 533, 537 or 543	6	
BA 432	Legal Aspects of Business Ownership	MBA Professional Course (elective).....	3	
Essential Studies	42	Total		156
Undergraduate Electives.....	9			

Students completing a CPA Path will have met the educational requirements to take the professional examination required to become a CPA in the State of Nebraska.

Agribusiness Option

Core Requirements	36	BA 432	Legal Aspects of Business.....	3	
ACTG 337	Cost Management Accounting	3	FIN 338	Real Estate Investments & Insurance.....	3
AGRI 259	Agricultural Econ & Agribusiness	3	FIN 432	Financial Management	3
AGRI 331	Farm and Ranch Management.....	3	MGMT 432	Production & Operations Mgmt.....	3
OR			Total		57
AGRI 431	International Food Policy.....	3			

Business Information Systems Option

Core Requirements	36	BIS 337	E-Commerce	3	
BIS 200	Intro to Computer Applications.....	3	BIS 430	Project Management.....	3
BIS 230	Web Page Development	3	BIS 431	Systems Analysis and Design	3
BIS 235	Business Programming.....	3	Total		57
BIS 331	Database Management	3			

Finance Option

Core Requirements	36
BA 241 Quantitative Methods	3
Or	
ACT 337 Cost Management Accounting.....	3
FIN 239 Personal Finance	3
FIN 331 Financial Markets & Institutions.....	3

FIN 333 International Finance and Economics	3
FIN 338 Real Estate Investments & Insurance.....	3
FIN 432 Financial Management	3
FIN 439 Investment Analysis	3
Total	57

Management Option

Core Requirements	36
ACTG 337 Cost Management Accounting	
OR	
BA 241 Quantitative Methods	3
BA 432 Legal Aspects of Business Ownership	3
FIN 432 Financial Management	3

MGMT 330 Organizational Theory & Behavior	3
MGMT 430 Human Resource Management	3
MGMT 432 Production & Operations Management.....	3
MKTG 335 Entrepreneurship/Business Start-Up	3
Total	57

Marketing/Entrepreneurship Option

Core Requirements	36
MKTG 331 Sales Techniques.....	3
MKTG 334 Entre – Imagination & Opportunity	3
MKTG 335 Entre – Business Start-Up	3
MKTG 336 Entre – Promotions & Advertising.....	3

MKTG 338 Buyer Behavior	3
MKTG 435 Business and Marketing Strategy	3
MKTG 439 Business and Marketing Research.....	3
Total	57

Student Learning Outcomes for Bachelor of Science in Education Programs

The student learning outcomes for students pursuing a business education degree are:

- To meet the needs of students who desire to teach business in secondary schools.
- To provide graduate programs for students wishing to pursue advanced work in the areas of business education and economics education

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN BUSINESS,

MARKETING, AND INFORMATION TECHNOLOGY EDUCATION (6-12)*: A student must complete the following program in addition to the Essential Studies Program and Professional Education requirements. Transfer students from a two (2) year institution must complete 50% of the required courses for the major from Chadron State College. All Business Majors must complete MATH 138 Applied Calculus, MATH 142 College Algebra or MATH 151 Calculus I (or equivalent) prior to taking advanced (300-400) Finance, Economics and Management courses and BA 331 Business Communications (or equivalent). These two requirements may also fulfill the Essential Studies requirements in Mathematics and Communication.

ACTG 241 Accounting Principles I.....	3
ACTG 242 Accounting Principles II.....	3
BA 336 Business and Economic Statistics	3
BA 337 Business Law	3
BIS 200 Introduction to Computer Applications.....	3
BIS 231 Principles of Information Systems	3
BIS 230 Web Page Development	3
BIS 332 Decision Support for Managers.....	3
CTE 434 Prin. & Philosophy of CTE.	3

CTE 438 Coord. Tech: Work-Based Learning	3
ECON 231 Macroeconomics	3
ECON 232 Microeconomics	3
FIN 330 Principles of Finance.....	3
MGMT 230 Principles of Management.....	3
MGMT 434 Strategic Management.....	3
MKTG 231 Principles of Marketing	3
MKTG 336 Entre - Promotions & Advertising.....	3
MKTG 338 Buyer Behavior	3
Total	54

Students pursuing a degree in business are recommended to complete an internship in business during their junior and senior year.

*This Career and Technical Education Endorsement requires work experience. The endorsement is available only to those who have either (A) 1000 verified hours of volunteer, internship, or paid work experience; or (B) at least 300 hours of supervised work experience under the direction of the college recommending the endorsement (BA 390).

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN BASIC BUSINESS

EDUCATION (6-12): A student must complete the following program in addition to the Essential Studies, the graduation literacy requirement and Professional Education requirements. Transfer students from a two (2) year institution must complete 50% of the required courses for the major from Chadron State College. All Business Majors must complete MATH 138 Applied Calculus, MATH 142 College Algebra or MATH 151 Calculus I (or equivalent) prior to taking advanced (300-400) Finance, Economics and Management courses and BA 331 Business Communications (or equivalent). These two requirements may also fulfill the Essential Studies requirements in Mathematics and Communication.

ACTG 241	Accounting Principles I.....	3	ECON 232	Microeconomics	3
ACTG 242	Accounting Principles II.....	3	FIN 330	Principles of Finance	3
BA 336	Business & Economics Statistics	3	MGMT 230	Principles of Management.....	3
BA 337	Business Law	3	MGMT 434	Strategic Management.....	3
BIS 200	Introduction to Computer Applications.....	3	MKTG 231	Principles of Marketing.....	3
BIS 332	Decision Support for Managers.....	3			
ECON 231	Macroeconomics	3			Total 36

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN BUSINESS EDUCATION (GRADES 4-9):

A student must complete the following program in addition to the Essential Studies, graduation literacy, Professional Education and Middle Grades requirements, and in addition one other Content Area of Specialization in Middle Grades. Transfer students from a two (2) year institution must complete 50% of the required courses for the major from Chadron State College.

ACTG 241	Accounting Principles I.....	3	ECON 130	Survey of Economics	3
BA 331	Business Communications	3	FIN 239	Personal Finance	3
BA 337	Business Law	3			Total 18
BIS 200	Introduction to Computer Applications.....	3			

MINORS in Business

Agribusiness – Business:

ACTG 241	Accounting Principles I.....	3	BA 337	Business Law	3
AGRI 331	Farm and Ranch Management.....	3	BIS 332	Decision Support for Managers.....	3
AGRI 329	Agricultural Marketing.....	3	ECON 130	Survey of Economics	3
Or			FIN 333	International Finance & Econ	3
AGRI 431	International Food Policy.....	3			Total 21

Business:

ACTG 241	Accounting Principles I.....	3	ECON 232	Microeconomics	3
ACTG 242	Accounting Principles II.....	3	MGMT 230	Principles of Management.....	3
BA 337	Business Law	3	MKTG 231	Principles of Marketing.....	3
BIS 332	Decision Support for Managers.....	3			Total 21

Business Information Systems:

BIS 231	Principles of Information Systems	3	BIS 332	Decision Support for Managers.....	3
BIS 230	Web Page Development	3	BIS 337	E-Commerce	3
BIS 235	Business Programming.....	3	BIS 431	Systems Analysis & Design	3
BIS 331	Database Management	3			Total 21

Finance:

ACTG 241	Accounting Principles I.....	3	FIN 331	Financial Markets & Institutions.....	3
BA 336	Business and Economic Statistics	3	FIN 239	Personal Finance	3
ECON 130	Survey of Economics	3	FIN 432	Financial Management	3
FIN 330	Principles of Finance.....	3			Total 21

Recommended Courses: In order to enhance employment and graduate school opportunities, the following electives are recommended: BA 241; ECON 338; FIN 338, 430, 439.

Marketing/Entrepreneurship:

BA 336	Business & Economic Statistics	3	MKTG 335	Entre – Business Start-Up	3
MKTG 231	Principles of Marketing	3	MKTG 336	Entre – Promotions & Advertising.....	3
MKTG 331	Sales Techniques		MKTG 338	Buyer Behavior	3
	OR		MKTG 439	Business & Marketing Research	3
MKTG 334	Entre – Imagination & Opportunity	3		Total	21

CAREER AND TECHNICAL EDUCATION

Learning Outcomes

The State Board of Nebraska has established certain criteria to be met by teachers planning to teach career and technical education courses in Nebraska schools. The learning outcomes of Career and Technical Education are:

- Identify and explain the philosophy of career and technical education.
- Develop coordination plans for school and work-site learning which include a variety of opportunities experiencing the connection and transition from school to work.
- Identify and explain child labor laws and the application to work based learning.

SUPPLEMENTAL ENDORSEMENT to Teach COOPERATIVE EDUCATION-DIVERSIFIED

OCCUPATIONS (9-12): Students must complete the following program in addition to either having, or earning concurrently, a secondary endorsement in another field or subject.

CTE 431/531	Intro to Spec Needs Prog in CTE		1000 hours verified hours of volunteer, internship, or paid work experience
	OR		OR
CTE 434/534	Prin & Phil of CTE.....	3	
CTE 438/538	Coord Tech: Work-Based Learn	3	CTE 390 or 690 Internship (300 hrs. of supervised work experience.....)
			6
			Total
			6-12

COMMUNICATION

Mission

The Communication Arts comprehensive curriculum prepares students for professional careers or graduate school in one of the three major areas of student interest: Human Communication, Journalism, and Public Relations.

Student Learning Outcomes

1. Learn to gather, evaluate, and synthesize materials in the following contexts:
 - Interpersonal Communication
 - Public Address
 - Group/Team Communication
 - Mass Communication
2. Learn to create and evaluate messages designed for target groups related to:
 - Interpersonal Communication
 - Public Address
 - Group/Team Communication
 - Mass Communication

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN COMMUNICATION ARTS: A student must complete the Core requirements and one of the Options listed in addition to the Essential Studies and graduation literacy requirements. Students pursuing this comprehensive major are strongly recommended to enroll in MATH 232, Applied Statistics, to fulfill the Essential Studies requirements for Mathematics.

Core Requirements

CA 233	Presentational Speaking	3	CA 442	Globalization, Culture & Media	3
CA 234	Photojournalism	3	CA 351	Organizational Communication	3
CA 238	Introduction to Mass Media	3	CA 390	Internship in Communication	
CA 260	Intro to Communication Theory	3		OR	
CA 333	News Journalism	3	CA 391	Internship in Journalism	3
CA 334	Theories & Practices of Persuasion	3	CA 430	Research Methods	3
CA 346	Intercultural Communication				
	OR				
				Total	30

Interpersonal Communication Option

Core Requirements	30	CA 420	Relational & Family Communication	3	
CA 130	Interpersonal Communication	3	CA 440	Gendered Communication	3
CA 225	Communicating in Group & Teams	3	CA 450	Communication Campaigns	3
CA 330	Conflict Resolution & Mediation	3			
CA 353	Health Communication	3		Total	51

Journalism Option

Core Requirements	30	CA 430	Research Methods	3	
ART 229	Intro to Graphic Design	3	CA 431	Media Projects	6
CA 133	Media Writing	3	CA 434	Editing and Design	3
CA 231	Intro to Digital Publishing	3	CA 443	Media Law	3
CA 335	Media Advertising	3		Total	57

Public Relations Option

Core Requirements	30	CA 350	Applied Public Relations	3	
CA 133	Media Writing	3	CA 434	Editing and Design	3
CA 231	Intro to Digital Publishing	3	CA 443	Media Law	3
CA 250	Intro to Public Relations	3	CA 450	Communications Campaigns	3
CA 335	Media Advertising	3		Total	54

MINORS in Communication Arts

Interpersonal Communication: A student must complete the following program in addition to the Essential Studies Requirements and a major in another area.

CA 130	Interpersonal Communication	3	CA 353	Health Communication	3
CA 225	Communicating in Group & Terms	3	CA 420	Relational & Family Communication	3
CA 330	Conflict Resolution & Mediation	3	CA 440	Gendered Communication	3
CA 260	Introduction to Comm Theory	3		Total	21

Journalism: A student must complete the following program in addition to the Essential Studies Requirements and a major in another area.

CA 231	Intro to Digital Publishing	3	CA 431	Media Projects	3
CA 234	Photojournalism	3	CA 434	Editing and Design	3
CA 238	Intro to Mass Media	3	CA 443	Media Law	3
CA 333	News Journalism	3		Total	21

Public Relations: A student must complete the following program in addition to the Essential Studies Requirements and a major in another area.

CA 133	Media Writing	3	CA 430	Research Methods	3
CA 231	Intro to Digital Publishing	3	CA 434	Editing and Design	3
CA 250	Intro to Public Relations	3	CA 450	Communications Campaign	3
CA 350	Applied Public Relations	3		Total	21

EDUCATION

Mission

The mission of the Chadron State College Teacher Education program, founded on educating Visionary Leaders, prepares candidates to teach and facilitate student learning in candidate's respective content area of study. Candidates will gain applicable knowledge and skills in the area of assessment, curriculum, guidance, multicultural education, classroom management, professional issues, special education, psychology, children's literature and instructional technology as part of this program.

Philosophy

Education in a democracy is accepted as the most important human activity for the maintenance, perpetuation, and advancement of the society. With this in mind, the Education Unit of Chadron State College is dedicated to the development of visionary leaders. The program recognizes the institutional responsibility of developing leadership which facilitates proactive behaviors in educators, for educational services to the public and non-public as well as the rural, frontier, and urban sectors. The campus reflects a sensitivity to the need of being a social model, both flexible and adaptable, to the pluralistic and multicultural nature of the dominant society.

Students within the Education Unit are valued as unique individual learners, each wanting to learn and also capable of making good learning decisions. Each student is a client to be served by the staff of CSC and in turn the student (Teacher Candidate) will serve others after graduation in their role as an educator.

We believe the educator's role is to facilitate learning. The facilitation of learning is accomplished by creating opportunities for all learners to actively participate in the learning environment and process knowledge through methods appropriate to their individual learning styles. Our model is based, to a great extent, on the constructivist theory of learning.

The faculty within the Education Unit act upon a set of common beliefs that reflect the importance placed upon the preparation of qualified professional educators, who will assume leadership roles within the local education community and the education profession at large.

In so doing, various methods of instruction are planned to be consistent with sound theory and current research findings. The individual faculty member is free to use varied approaches and personalized techniques in instruction. In creating a non-threatening learning climate, allowances for the learning styles are encouraged and responded to through appropriate teaching styles and open communication among all participants. Learning is believed to be inherently joyful and efforts toward developing and maintaining this end are supported. The demands of the content of the subject are not diminished in the teaching effort which will produce the greatest positive change.

The Visionary Leader Model

Chadron State College's Teacher Education Program is designed to produce Visionary Leaders. Visionary Leaders inherit our profession's quintessential traditions and tools, and are made aware of the best contemporary educational research and developments. We bequeath a vital educational vision - one that honors both tradition and innovation - to our students.

The Visionary Leader model is depicted by three interlocking circles, each representing an interrelated area of the curriculum: Essential Studies, Specialty Studies, and Professional Studies. One circle, professional studies, consists of seven components that make up the conceptual framework for the Education Unit. These components are:



- Communication
- Thinking Skills
- Methodology/Technology
- Leadership
- Assessment
- Human Relations and Diversity
- Professionalism

These seven areas constitute the conceptual framework for the professional preparation programs at Chadron State College. All seven components are interwoven throughout the professional preparation programs.

Student Learning Outcomes

The Teacher Education Unit has identified seven (7) broad student learning outcomes that are expected of all program completers. Each student learning outcome is a reflection of one of the following seven components of the Unit's conceptual framework "Developing Visionary Leaders".

Each of the seven broad student learning outcomes are assessed at various intervals (gateways) throughout the teacher education program. (These seven components are also used to organize and define the Unit's dispositions, as described in our conceptual framework document. The seven expected student learning outcomes are as follows:

Upon completion of the CSC teacher education program, candidates will be able to

- promote activities that elicit critical thought, beyond recall and comprehension. (Thinking Skills)
- develop and maintain a physically inclusive and emotionally safe classroom environment conducive to effective learning that encourages student concerns, embraces elements of diversity, and exhibits an understanding of child growth and development. (Human Relations/Diversity)
- design and assess learning activities (with sequential goals and outcomes), utilizing assessment measures to make instructional and/or curricular decisions. (Assessment)
- utilize the knowledge, skills, and disposition developed through assessment, communication, human relations/diversity, methodology/technology, professionalism, and thinking skills to provide to a school system the leadership necessary to utilize assessment to improve learning, develop new and better methods and technologies to enhance learning, display human behaviors supportive of all learners, communicate effectively with stakeholders, demonstrate an ability to think methodically at a higher order thinking level, and model professional behaviors appropriate for leaders within a school system. (Leadership)
- demonstrate and promote effective communication skills (with students and adults), while respecting diversity and engaging students in the learning enterprise through motivation and constructive learning applications. (Communications)
- plan and deliver teaching-learning activities that are consistent with identified learning outcomes and ability level of students while using a variety of instructional methodologies/strategies to prescribe for individual differences. (Methodology-Technology)
- demonstrate conduct befitting a professional educator to include the following dispositions: regular self-reflection, positive ethical behavior, respectful and attentive attitude, effective classroom management skills, appropriate knowledge of subject matter, and professional leadership. (Professionalism)

Moral Character and Safety Concerns

Teaching is a profession that requires its potential candidates to be individuals of integrity. Prospective teachers must be able to demonstrate that they are individuals of strong moral character who can make mature decisions for themselves and for their students. Teachers are responsible for the education, safety and well-being for anyone in their charge. Therefore, the Chadron State College Department of Education is interested in training future teachers who show a high degree of moral character and the ability to act responsibly. These individuals must be able to serve as representatives of our College and our program.

With this in mind, should the College discover behavior which, in its reasonable judgment, establishes on the part of the candidate a lack of integrity, questionable moral/ethical character, or otherwise indicates a potential of risk to young persons and others in the educational community, the Department of Education reserves the right to deny entry to, or dismiss anyone from, any program which leads to certification. More specifically, these kinds of behavior shall be adequate foundation to deny any candidate or potential candidate from participation in any practicum, pre-practicum, teacher internship or similar field experience, since the interests and safety of the children and young people present in the classroom, schools and other venues where these field experiences take place are paramount.

Problematic behaviors, which the Department of Education reasonably determines renders the candidate a risk to the educational community, or demonstrates a likelihood of illegal activity, may be established by any credible means, including the facts surrounding a record of arrests and/or convictions.

Similarly, behaviors which result in a finding by a court or other governmental body that the individual is:

- A mentally ill and dangerous person;
- Mentally incompetent to stand trial;
- Acquitted of criminal charges because of insanity;
- An incapacitated person;
- A person in need of a guardian or conservator, or
- A person unable to manage his or her property/affairs due to mental illness, mental deficiency, or chronic use of drugs or chronic intoxication are the kind of behaviors which are likely to disqualify a candidate from participation in practicum experiences and other Department of Education programs.

Nebraska State Department of Education Policy Pertaining to Students with Felony or Misdemeanor Convictions

The Nebraska Department of Education policy requires that a person with felony convictions or misdemeanor convictions involving abuse, neglect, or sexual misconduct shall not be allowed to participate in pre-teacher internship, laboratory and/or classroom field experiences or intern experiences without approval by the Board of Education. To comply with this policy, the Chadron State College Department of Education will require each student to affirm under oath that he/she does not have any convictions in the above-named areas prior to each field experience placement. If a student does have any felony or misdemeanor conviction(s), he/she is required to meet with the Chadron State College Certification Officer, as soon as possible. Students with questions pertaining to convictions should also contact this office.

Acceptance into the Teacher Education Program

Chadron State College recognizes its obligation to prospective candidates for teaching, to the public schools, and to the state, by giving careful consideration to each applicant for admission into the Teacher Education Program. Qualities believed essential to good teaching are considered through professional judgment in determining the applicant's qualifications for entering the program. These include:

1. Academic scholarship
2. Command of oral and written English
3. Social, emotional and personal maturity
4. Affirmation under oath that the student has no felony conviction or misdemeanor conviction involving abuse, neglect, or sexual misconduct (Nebraska Department of Education, Rule 20: Regulations for the Approval of Teacher Education Program Section 005.07).
5. Affirmation under oath that the student does not have an order or determination currently in effect by a court or any other government body which finds the student to be any of the following: mentally incompetent to stand trial, acquitted of criminal charges because of insanity, an incapacitated person in need of a guardian, or unable to manage his/her property due to mental illness, mental deficiency, chronic use of drugs or chronic intoxication; or is currently an inpatient or resident in a mental health facility due to a determination by a qualified mental health professional (Nebraska Department of Education, Rule 21, Section 003.10).

Students interested in becoming candidates for teacher education must enroll in the class Introduction to Teaching the semester they wish to apply for admittance (normally in the freshman year, and/or before the end of the junior year). This course enables students to study the field of teaching and to evaluate their knowledge, skills, and dispositions as potential teachers.

1. Applications are initiated under the direction and advice of the Director of Field Experiences, and submitted to the Director of Field Experiences for further processing.
2. Completed applications are referred to the Screening Committee for formal action after the student has completed at least one semester of college. Enrollment in PSYC 231 will be restricted to those students who have earned a "C" or better in EDUC 131.
3. Students who are denied admittance to the teacher education curriculum will be helped by the college guidance staff to find a more appropriate career.

Admission Requirements

To be fully accepted into the Teacher Education Program, candidates must meet the following requirements:

1. Every student must have been admitted to the Teacher Education Program before they may enroll in Observation and Participation (EDUC 300, EDUC 320), or before they may participate in any field experience pertaining to these courses.

2. Intelligence and scholarship; as evidenced by the following:
 - a) attainment of a satisfactory score on a basic skills test (PPST (Praxis I) or computerized PPST: Reading 170, Math 171, Writing 172);
 - b) completion of 30 semester hours of college course work;
 - c) an overall minimum cumulative GPA of at least 2.75 is required. The GPA will be calculated by using **all** accepted previous college/university course work as well as course work from CSC;
 - d) completion of ENG 135, ENG 361 and one of the following communication courses (CA 125-or CS 233) with no grade lower than a “C”; and
 - e) completion of EDUC 131, Introduction to Teaching, with a grade of “C” or above.
3. Character and personality, as evidenced by the following:
 - a) affirmation under oath that the student has no felony nor misdemeanor convictions involving abuse, neglect, or injury to any person, nor any other convictions involving moral turpitude (Nebraska Department of Education, Rule 20: Regulations for the Approval of Teacher Education Program, Section 005.07); and
 - b) affirmation under oath that the student does not have an order or determination currently in effect by a court or any other government body which finds the student to be any of the following: mentally incompetent to stand trial, acquitted of criminal charges because of insanity, an incapacitated person in need of a guardian, or unable to manage his/her property due to mental illness, mental deficiency, chronic use of drugs or chronic intoxication; or is currently an inpatient or resident in a mental health facility due to a determination by a qualified mental health professional (Nebraska Department of Education, Rule 21, Section 003.10).
4. Health and physical fitness, as evidenced by the following:
 - a) emotional stability;
 - b) absence of defects that would impair successful teaching; and
 - c) absence of predisposition toward poor health as determined by a physical and medical examination at the request of the college Screening Committee.

Students who fail to meet all the above requirements will be denied admission until such time as the criteria are met.

Application for Professional Year

The Professional Year is comprised of the following two semesters of study: Professional Semester (Block) and the Teacher Internship Semester (Student Teaching).

The student, in cooperation of his/her advisor, must make application for the Professional Year by March 1 for fall semester enrollment, and November 1 for spring semester enrollment; this must be done during the applicant’s Junior Year of study. The student and the advisor must be sure that all Pre-requisites for entrance into the Professional Year are properly met before making application. These Pre-requisites include admission to candidacy, appropriate grade point averages as stated, and satisfactory references indicated. Failure to meet these requirements will result in the application being returned to the student’s advisor until such time as they are met. The application will be presented to the chairperson of the department who will take the application for evaluation by the department faculty to be voted upon. If supported by a “yes” vote, the Chairperson endorses the application, and then forwards the application to the Director of Field Experiences. Each application submitted to the Director of Field Experiences must be approved by the department or departments in which the applicant is pursuing an area or areas of endorsement specialization. Academic department approval or disapproval must be indicated on each application. If the department does not approve the application, the student is not eligible for admission to the Professional Year. The Director of Field Experiences will present all applications to the Screening Committee for final consideration.

To qualify for admission into the Professional Year, the candidate must have completed the following criteria:

1. The candidate must have earned at least 90 semester hours by the time of enrollment in the Professional Year. At least 12 semester hours must have been earned in residence at Chadron State College.
2. Achievement of an overall minimum cumulative 2.75 GPA in all college work (GPA will be calculated using grades from all previous college/university course work, as well as from CSC course work), and a 2.75 minimum cumulative GPA (GPA will be calculated using accepted grades from all previous college/university course work as well as course work from CSC) in areas of specialization, minor, and in professional education for endorsement and certification purposes.

3. A secondary candidate must have completed 50% of the course work required for all endorsements with a minimum cumulative GPA of 2.75 (GPA will be calculated using accepted grades from all previous college/university course work as well as course work from CSC), in addition to all of the core Professional Education courses.
4. An elementary candidate must have completed 75% of the area of concentration or second endorsement area with a minimum cumulative GPA of 2.75 (GPA will be calculated using accepted grades from all previous college/university course work as well as course work from CSC), in addition to all of the core Professional Education courses.
5. A candidate pursuing two endorsements must take one of his/her Special Methods classes (EDUC 431) prior to the Professional Year but not before the candidate's junior year. The candidate must attain a minimum cumulative 2.75 GPA in her/his EDUC 431: Special Methods course(s).
6. Those preparing to enter teaching must have no grade less than a "C" and a minimum cumulative GPA of 2.75 or better in the Pre-requisite Professional Education courses (EDUC 131, PSYC 231, EDUC 224 EDUC 434, SPED 230, 334, EDUC 300/320).
7. Completion of a Visionary Leader dossier verified by the candidate's advisor or methods instructor's assessment, which is sent to the Director of Field Experience Office. The dossier will be submitted to the candidate's advisor by November 1 or March 1 of the semester prior to the Professional Year.
8. Demonstration of social, emotional, personal maturity as well as the physical capabilities essential to handle the vast responsibilities required in the teaching profession. If at any time a candidate's emotional, mental, or physical capabilities are determined to be impaired seriously so that as a result of professional judgment the candidate is unable to demonstrate the qualities required for the teaching profession, the college reserves the right to remove him/her from the program.
9. The candidate should come to the Field Experience Office to check on her/his progress toward meeting the qualifications to be admitted to the Professional Year. If a secondary education candidate has additional questions about the Teacher Education Program the candidate should seek out an Education faculty member as a supporting advisor.

The specific step-by-step process required for being admitted into the Professional Year is as follows:

1. The candidate will obtain the Application Packet from the Field Experience Office.
 - a. Fill out application form and return it to Field Experience Office by due date (March 1st for fall semester Block, November 1st for Spring Semester Block).
2. The recommendation forms are then taken to the candidate's advisor and
 - a. Three forms are given to members of the candidate's departmental faculty
 - b. One recommendation form is given to a faculty member outside the candidate's department
 - c. The advisor keeps one recommendation form and the "Department Recommendations for Admission to Professional Year" sheet to fill out.
3. After all of the recommendation forms are returned to the advisor, he/she presents the candidate's Departmental Recommendations to the candidate's Department for Departmental approval to be admitted to the Professional Year.
4. The candidate should check in with the advisor to make sure that the recommendations have been returned and have been acted upon by the Department.
5. The Department has three (3) possible choices:
 - a. Recommend candidate be admitted to the Professional Year
 - b. Recommend with reservations
 1. Department recommends the candidate, but has concerns. The candidate and the Education Department will be notified by letter of these concerns
 - c. Does not recommend
 1. The candidate is not admitted into the Professional Year and would need to change majors or work out the issues with the candidate's Department. Formal notification will be in letter format.
6. If the Department approves the Departmental Recommendations, the forms are sent to the Field Experience Office. The form is sent to the appropriate administrator for review and approval and then filed in the Office of the Field Coordinator.

7. The candidate's advisor must receive the candidate's dossier by November 1st for Spring Block or by March 1st for Fall Block. After checking the dossier the advisor will ask the candidate to make any changes that are needed or approve the dossier as presented. When the advisor approves the candidate's dossier, the evaluation form is signed and a copy of the form is sent to the Field Experience Office. The Field Experience Office must receive the evaluation form before the application is presented to the Screening Committee.
8. Following completion of the above, the application is presented to the Screening Committee for final approval.
9. If the Department or the Screening Committee does not approve the application, the candidate will not be allowed to enter the Professional Year. Formal notification to candidate will be in letter format.

If a student in the program for teacher education is suspended from the college, he/she automatically is removed from the Teacher Education program. If the student should later be accepted for re-admission to the college, it will be necessary for him/her to reapply for admission to the teacher education program should he/she desire to re-enter the program.

A student who is denied admission to teacher education or who is administratively withdrawn from his/her teaching internship, may appeal the denial or administrative withdrawal by contacting the Director of Field Experiences for due process procedures.

Admission To Teaching Internship Semester (Student Teaching)

To be eligible to enter the teaching internship semester the candidate must meet the following requirements:

1. maintain all GPA requirements listed for admission to the Professional Year;
2. make a sworn statement that the student has not been convicted of a felony or certain misdemeanor crimes;
3. make a sworn statement that the student is mentally competent;
4. have a faculty approval on his/her dossier; and
5. secondary students must have completed Special Methods classes (EDUC 431).

Teaching Internship

Chadron State College requires teacher interning full-days for one semester or a minimum of ten (10) weeks full-days for each Field endorsement taught during a given semester. Interning is a full-time position. Therefore, students **will not** be allowed to take additional course work during their internship semester. In addition, it is strongly suggested that teacher interns not engage in additional employment during their placement.

Eligibility for Initial Certification or Added Endorsement

To be recommended for Teacher Licensure or certification, the student must have (1) completed teaching internship with a minimum cumulative GPA of 2.75 or above in each area of endorsement, (2) met all course and credit requirements for endorsement in his/her specialization fields, (3) received departmental approval and recommendation, (4) met all graduation requirements for the appropriate degree, (5) passed the Praxis II exam if an elementary, middle school and/or special education major, and (6) filed an application with the Certification Officer, including a notarized statement that he/she has not been convicted of a felony or misdemeanor involving abuse, neglect, or sexual misconduct, and an oath of Mental Capacity.

A student seeking an additional endorsement after completing his/her degree program must complete the appropriate course work and officially notify the Teacher Certification Officer upon completion of the endorsement program/course work. Then proceed as outlined in (5) above.

Graduation Without Certification

In rare cases, permission may be granted for a student to graduate without a recommendation for certification. This provision is for the student who does not qualify for, or is removed from his/her teacher internship. However, there are times when, because of illness or other extreme situations, a student will decide not to complete all professional requirements. In this situation, the student should contact his or her advisor, and then complete a formal request to the Chadron State College Vice President for Academic Affairs to be allowed to graduate without completing all certification requirements. If permission is granted, an appropriate amended plan of study will be determined.

Any student who graduates without a recommendation for certification will not be recommended for teacher certification in any state. If, at some future time, the student wishes to complete certification requirements, (s) he must first reapply for readmission to the teacher education program. At least one semester must pass after graduation before the application can be made. Upon readmission to the Teacher Education program, the student will complete all requirements in effect at the time of reentry, including passing grades in all methods courses.

Program Changes

Chadron State College is a member of the Nebraska Council on Teacher Education, a teacher education governance and recommending body to the Nebraska Department of Education; therefore, all students majoring in early childhood, elementary, middle grades, or secondary education programs are subject to any program rule changes that may occur while a student is enrolled. If a student has not completed his/her program of study within three years following the program change, he/she will be required to adjust his/her program to reflect the change.

CERTIFICATE REQUIREMENTS

BACHELOR OF SCIENCE IN EDUCATION - Secondary (6-12/7-12) Professional Educational Program

The degree of Bachelor of Science in Education (6-12/7-12): A student must complete the following program in addition to the Essential Studies and either one field endorsement or one subject endorsement program. Education majors must take ENG 135, ENG 361 and CA 125 or CA 233

Professional Education Courses

The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required and no grade may be below a “C”):

EDUC 131	Intro to Teaching	3	SPED 230	Intro Exceptional Learner.....	3
EDUC 224	Multi Media Support Instr/Learning	2	SPED 334	Differ Instr for Diverse Classroom.....	3
EDUC 300	Secondary Obs. Participation	1-3	At least one subject or field endorsement		<u>30-66</u>
EDUC 434	Technology in Instructional Strategies	3	Total		48-86
PSYC 231	Educ Psychology	3			

Admission to Candidacy must be completed before the end of the junior year.

Professional Year (two semesters) - Comprised of the “Block” Professional Semester and the Teacher Internship Experience semester (Student Teaching). The following courses can be taken only as part of the Professional Year (2.75 minimum cumulative GPA required): refer to Application for Professional Year requirements.

Semester #1 – “Block”

EDUC 411s	Reading/Writing in the Content Areas	1	*EDUC 435(a-c)	Learning Methods.....	1-2
EDUC 412s	Curriculum & Standards, Secondary/MS ..	1	SPED 412	SPED Practices & Strategies.....	1
EDUC 414s	Secondary/MS Classroom Mgmt	1	**Specialization Instruction (see course below).....		<u>1-6</u>
EDUC 415	Human Relations/Multicultural.....	1	Total		8-14
EDUC 418s	Secondary/MS Assessment	1			

- *EDUC 435a Learning Methods for Social Sciences, History, Math, and Library Media (2 cr.)
- *EDUC 435b Learning Methods for Business, Art, Science, Family & Consumer Sci. (2 cr.)
- *EDUC 435c Learning Methods for Music, Physical Education, Health, Theatre, Language Art/English (1 cr.)
- **EDUC 431a Art endorsement (1 cr.)
- **EDUC 431c Physical Education and Health endorsements (2 cr.)
- **EDUC 431f Math endorsement (1 cr.)
- **EDUC 431g Science endorsements (1 cr.)
- **EDUC 431i Business endorsements (1 cr.)
- **EDUC 431j Family and Consumer Sciences endorsement (1 cr.)
- **EDUC 431l Social Science and History endorsements (1 cr.)
- **EDUC 431m Interdisciplinary Methods (3 cr.) (for students in the non-traditional learning teacher education prog.)

- **ENG 461 Specialized Methods in English Language Arts (3 cr.)
- **MUS 431A Elementary Music endorsement (3 cr.)

Students pursuing two Subject Endorsements must complete specialization instruction (i.e., EDUC 431) in both subject areas. One course should be taken prior to the Professional Year. The second specialized instruction course must be taken the first semester of the Professional Year (Block), if offered. The student must have a minimum cumulative GPA of 2.75 or better in the Professional Semester.

Course requirements for secondary level endorsements programs in the following subjects or fields are listed in each departmental section of this catalog (2.75 minimum cumulative GPA required):

Field Endorsement Programs

- Art
- Business Marketing and Information Technology
- Family and Consumer Sciences
- Health and Physical Education
- English Language Arts
- Mathematics
- Middle Grades
- Music
- Science
- Social Science
- Special Education

Subject Endorsement Programs

- Basic Business
- Biology
- Chemistry
- Earth and Space Science
- Health Education
- History
- Physical Education
- Physics
- Vocal Music

Supplemental Endorsements (Require either a field or subject as well as the supplemental)

- Coaching
- Cooperative Education – Diversified Occupation
- Theatre

All Students in CSC Secondary Education Teaching programs must complete the Praxis II - Content Area Assessment exam in their specific endorsement content area to fulfill CSC graduation requirements.

Semester #2 – Teacher Interning

EDUC 480K, Teacher Interning K-12, or EDUC 490S, Secondary Teacher Interning, courses can be taken only upon the successful completion of the above Semester #1 – “Block” courses (minimum cumulative GPA of 2.75 required).

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN MIDDLE GRADES (4-9):

A student must complete the following program in addition to the Essential Studies and Middle Grades “Content Area Specialization” requirements. Education majors must take ENG 135, ENG 361 and CA 125 or CA 233

Professional Education: The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required and no grade may be below a “C”):

EDUC 131	Intro to Teaching	3	SPED 230	Intro Exceptional Learner.....	3
EDUC 224	Multi Media Support Instr./Learning	2	SPED 334	Diff Instr for Diverse Classrooms	3
EDUC 320	Elementary/MS Obs. & Participation....	1-3	*One (1) Elementary Methods course, from below.....3		
EDUC 433	The Middle School.....	3	Specialization Instruction course in content areas (i.e.		
EDUC 434	Technology in Instructional Strategies.....	3	EDUC 431	.....	1-3
PSYC 231	Ed Psychology.....	3	EDUC 435 (a-c) Learning Methods.....	1-2	
PSYC 334	Developmental Psychology		Content Area of Specialization from below.....	36	
	OR		Total	65-70	
FCS 139	Human Development	3			

Admission to the Teacher Education Program must be completed before the end of the junior year.

One EDUC 435A-C Learning Methods course required as well as two specialization instruction courses (i.e., EDUC 431) in the content areas. One specialization instruction course may be taken prior to the first professional semester.

During the professional semester, one EDUC 435 Learning Methods and one specialization instruction course will be taken. The appropriate learning methods courses are outlined in the Secondary section above.

Elementary Methods Courses: Choose one related to the special content area.

ART 334	Art for Elem/MS Teacher.....	3
EDUC 321	Teach Elem/MS Mathematics	2
EDUC 322	Teach Elem/MS Language Arts	2
EDUC 323	Teach Elem/MS Social Studies	2
HPER 339	Theory of Physical Education K-8	3
MUS 333	Music for the Classroom Teacher	3

Content Area of Specialization Requirements: The applicant must complete a minimum of two 18 credit hour Content Areas of Specializations. Course requirements for each of the offered Content Areas of Specialization are outlined within the appropriate departmental sections of this catalog/bulletin

- Art
- Business Education
- Family and Consumer Sciences
- Health & Phys. Educ. (K-12 only)
- Language Arts
- Mathematics
- Sciences
- Social Science
- Special Education (K-12 only)

Professional Year (two semesters) - Comprised of the “Block” Professional Semester and the Teacher Internship Experience semester (Student Teaching)

Students pursuing the Middle Grades Endorsement program may select to complete their Professional Year course work requirements by enrolling in either the Elementary Professional Year (Elementary Block route) or the Secondary Professional Year (Secondary Block route). Options are outlined below.

The following courses can be taken only as part of the Professional Year (2.75 minimum cumulative GPA required): refer to Application for Professional Year requirements.

Semester #1/Option 1 – Elementary Block Route: Refer to Application for Professional Semester

EDUC 413	Elem/MS Curric. & Counseling	1	EDUC 422	Teach Elem/MS Science & Health.....	2
EDUC 414e	Elem/MS Classroom Mgmt.....	1	EDUC 423	Teach Primary Reading & Writing	2
EDUC 415	Human Relations/Multicultural.....	1	EDUC 424	Teach Intern. Reading & Writing	2
EDUC 416	Elem/MS Assessment.....	1	SPED 412e	SPED Practices & Strategies.....	1
EDUC 417	Teach Reading & Writing Diagnosis	1		Total	12

Semester #1/Option 2 – Secondary Block Route: Refer to Application for Professional Semester

EDUC 411s	Reading/Writing in the Content Areas	1	EDUC 435	Learning Methods Sec/MS.....	1-2
EDUC 412s	Curr. & Standards: Secondary/MS.....	1-2	SPED 412s	SPED Practices & Strategies.....	1
EDUC 414s	Secondary/MS Classroom Mgmt	1		Specialization Instruction course (i.e., EDUC 431).....	1-3
EDUC 415	Human Relations/Multicultural.....	1		*An approved READ course (i.e., READ 430)	
EDUC 418s	Secondary/MS Assessment	1		must also be completed prior to the Teacher	
				Internship (Student Teaching) semester	3
				Total	11-15

*An approved READ course (i.e., READ 430) must also be completed prior to the Teacher Internship (Student Teaching) semester.

Semester #2 – Teacher Interning

EDUC 480I, Teacher Internship Intermediate, and/or EDUC 480M, Teacher Internship Middle School, can be taken only after the successful completion of the Professional Semester (Block) courses (minimum cumulative GPA of 2.75 required).

NOTE: The Praxis II: Middle Grades Content Exam as well as the EECIA Exam (as required by the Nebraska Department of Education) must be taken as a requisite for graduation for all Middle Grade Endorsement students (Only need to choose one of the two content areas for testing).

BACHELOR OF SCIENCE IN EDUCATION - Elementary School Professional Education Program

This program covers special instructional methods in science, health, reading, student and program assessment (tests and measurements), curriculum, guidance, multicultural and human relations, classroom management, special education, and other pertinent professional topics and issues. The student registers for EDUC 413, 414, 415, 416, 417, 422, 423, 424, and SPED 412e in their senior year (the Professional Semester – “Block”). Upon successful completion of the above courses (minimum cumulative 2.75 GPA required), the student is then eligible to enroll in the Teacher Internship Experience the following semester.

Elementary majors will intern at a primary level (K-3) and an intermediate level (4-6). Students who have K-12 endorsements in addition to their elementary major/endorsement will intern in their elementary area for part of the Internship semester and in the 7-12 area the other portion of the Internship semester.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN ELEMENTARY

EDUCATION (K-8): A student must complete the following program requirements in addition to the Essential Studies program, and one Area of Concentration OR an additional endorsement program. Education majors must take ENG 135, ENG 361 and CA 125 or CA 233

Professional Education: The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required no grade may be below a “C”):

EDUC 131	Intro to Teaching	3	PSYC 334	Developmental Psychology	3
EDUC 224	Multi Media Support Instr/Learning	2	OR		
EDUC 320	Elem/MS Obs & Participation.....	1-3	FCS 139	Human Development.....	3
EDUC 434	Technology in Instructional Strategies.....	3	SPED 230	Intro to the Exceptional Learner.....	3
PSYC 231	Educ Psychology	3	SPED 334	Diff Instr for Diverse Classrooms	3
					Total 21-23

Elementary Education Endorsement Courses:

ART 334	Art for the Elem/MS Teacher.....	3	EDUC 361	Integrated Elem/MS Core Methods.....	6
EDUC 321	Teach Elem/MS Mathematics	2	ENG 235	Children’s Literature	3
AND					
EDUC 322	Teach Elem/MS Language Arts	2	HPER 339	Theory of Physical Educ K-8.....	3
AND					
EDUC 323	Teach Elem/MS Social Studies	2	MATH 235	Math for the Elem Teacher I	3
			*MATH 238	Math for the Elem Teacher II.....	3
			MUS 333	Music for the Elementary Teacher	3
					Total 24

Admission to the Teacher Education Program must be completed before the end of the junior year.

*Can be taken before or during the Professional Year.

Supplemental Endorsements (Requires the Field Endorsement in Elementary Education: Early Childhood Education)

Elementary Area of Concentration OR Second Endorsement: Course requirements for the following areas of concentration and/or endorsements programs are listed in each departmental section of this catalog/bulletin. One 9 credit hour Area of Concentration OR a second endorsement program is required (minimum cumulative 2.75 GPA required). All 9 credit hours of the chosen Area of Concentration must be completed prior to entry into the “Block” (first semester) of the Professional Year. Or, if the student candidate has opted to complete a second endorsement (instead of an Area of Concentration), then the candidate must have Half (50%) of the second endorsement program course work completed prior to entry into the “Block” (first semester) of the professional year.

Potential Elementary Areas of Concentration include:

Art
 **Early Childhood
 English
 Mathematics
 Music

*Physical Education
 Science
 Social Science
 *Special Education

*These areas may also be taken as a second endorsement instead of the Area of Concentration
 **This area may also be taken as a supplemental endorsement instead of the Area of Concentration

Professional Year: Comprised of the “Block” Professional Semester and the Teacher Internship Experience semester (Student Teaching)

The following courses can be taken only as part of the Professional Year (minimum cumulative 2.75 GPA required): Refer to the Professional Year Application Requirements.

Semester #1 – “Block”:

EDUC 413e Elem/MS Curr & Counseling	1	EDUC 422 Teach Elem/MS Science & Health.....	2
EDUC 414e Elem/MS Classroom Mgmt.....	1	EDUC 423 Teach Primary Reading & Writing	2
EDUC 415e Human Relations/Multicultural.....	1	EDUC 424 Teach Intern. Reading & Writing.....	2
EDUC 416 Elem/MS Assessment.....	1	SPED 412e SPED Practices & Strategies.....	<u>1</u>
EDUC 417 Teach Reading & Writing Diagnosis	1	Total	12

Semester #2 – Teacher Interning:

*The following courses may be taken only upon the successful completion of the above (Semester #1 “Block”) courses (minimum cumulative GPA of 2.75 required):

EDUC 480I Teacher Internship/Intermediate	EDUC 480P Teach Internship Primary
EDUC 480K Teacher Internship K-12	EDUC 480R Teacher Internship ECE Inclusive
EDUC 480L Teacher Internship K-8	EDUC 480V Teacher Internship Spec. Ed K-12

NOTE: The Praxis II: Elementary Education Curriculum, Instruction and Assessment Exam (as required by the Nebraska Department of Education) must be taken as a requisite for graduation for all Elementary Education students.

SUPPLEMENTAL ENDORSEMENT IN EARLY CHILDHOOD EDUCATION (Age 3 through Grade 3)

Persons with this endorsement are prepared to teach children from Pre-kindergarten (age 3) through grade 3/age 8. Candidates for this endorsement must hold, or earn concurrently, an Elementary Education (K-6) endorsement. (No grade may be below a “C”)

EDUC 231 Play, Art & Music	3	FCS 321A Curr Dev in Early Childhood Education ...	2
FCS 139 Human Development	3	FCS 423 Program Development & Mgmt	3
FCS 237 Guid. Tech. in Human Relations	3	FCS 448/448L Early Childhood Practicum & Lab.....	3
**FCS 238 Prenatal and Infant Develop.....	3	FCS 448L Early Childhood Practicum Lab.....	<u>1</u>
FCS 239 Partners in Early Childhood Educ.....	3	Total	24

**Candidates must complete 45 clock-hours per practicum working with preschool (pre-kindergarten) children.

AREA OF CONCENTRATION

Early Childhood Education These courses must be completed along with the Elementary Education Field Endorsement curriculum.

EDUC 231 Play, Art & Music for Early Childhood	3	FCS 237 Guid. Tech. in Human Relations	<u>3</u>
FCS 139 Human Development	3	Total	9

PROGRAM FOR ADDING AN ENDORSEMENT

To add another endorsement to an existing teaching/administrative certificate, the student must complete the appropriate departmental and endorsement area coursework. To determine coursework requirements, the student should complete an Evaluation for an Added Endorsement Form in cooperation with his/her teacher educator (Advisor) in the department offering the endorsement. The student must then notify the Teacher Certification Officer when the program coursework is complete and request that the subsequent Endorsement be posted (or added) to the student's official transcript. The student must then submit a Nebraska Application for Teacher Certification to the CSC Certification Office, in order for the State Department of Education to add this new endorsement to the student's teaching certificate. The CSC Certification Office is unable to process requests to add endorsements/programs to a teaching certificate until this procedure is completed.

ENGLISH

Mission

It is the mission of the English program to provide students with a scholarly environment of the highest caliber in which to pursue an education in the riches of the English language. The program seeks to educate students in an array of subjects within the broad domain of English studies, including English grammar, critical and creative writing, American, English and World literature, traditional literary genres, literary theory and criticism, and teacher training. The program's curriculum encourages students to explore literature's interdisciplinary relationship to the other humanistic disciplines, such as cultural studies, philosophy, religion, history, and art. While learning to evaluate, understand and enjoy complex and important works of literature, students in the English program will refine their critical and creative writing skills so that they can better appreciate the power of language and make use of it in both their personal and public lives. Finally, the program prepares students for graduate study or to enter a wide variety of vocations (such as teaching, law, the ministry, business, government and the public sector) that depend upon reading and writing effectively.

Student Learning Outcomes

Students graduating with an English major or an educational endorsement in English Language Arts will:

- Demonstrate a proficiency in critical thinking and writing.
- Demonstrate an understanding of the elements of traditional literary genres.
- Know and identify the representative works and authors in major periods of American, British and World literature.
- Show evidence of familiarity with major theories of literary criticism.

The Degree of Bachelor of Arts with a SUBJECT MAJOR IN LITERATURE: A student must complete the following program in addition to the Essential Studies requirements and a major or minor in another area.

ENG 232	Hist. of Amer. Lit. (a) & (b).....	6	ENG 440	Theory & Practice of Literary Criticism ...	3
ENG 233	Elements of Literature	3	ENG 441	English & American Novels	3
ENG 236	Hist. of Eng. Lit. (a) & (b).....	6		*English Electives	9
ENG 432	Shakespeare.....	3		Total	36
ENG 436	World Literature.....	3			

*Six hours must be upper-division

English majors considering a graduate program are encouraged to complete a Thesis & Capstone Project (ENG 400.)

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN ENGLISH LANGUAGE ARTS (6-12): A student must complete the following program in addition to the Essential Studies and Professional Education requirements. Students seeking the degree of Bachelor of Science in Education in English must hold a 3.0 GPA in their English courses and receive a grade of "C" or above in all English classes.

*Three hours of Communication Arts selected from the following:

CA 225	Communicating in Groups and Teams	ENG 320	Grammar & Linguistics	3
CA 230	Conflict Resolution and Mediation	ENG 331	Theory and Practice of Teaching Writing	3
CA 233	Multimedia & Presentational Speaking		Literacy in the Digital Age	3
CA 334	Theories and Practices of Persuasion	ENG 361	Shakespeare	3
CA 346	Intercultural Communications	ENG 432	World Literature	3
CA 440	Gendered Communication	ENG 436	Adolescent Literature	3
CA 442	Globalization, Culture and Media	ENG 438	Theory & Pract. of Literary Criticism ..	3
ENG 232	Hist. of Amer. Lit. (a) & (b)	ENG 440	English & American Novels	3
ENG 233	Elements of Literature	ENG 441	Upper Division English Electives	6
ENG 236	Hist. of Eng. Lit. (a) & (b)	Elective:		
ENG 249	Creative Writing: (a) or (b) or (c)			3
			Total	51

*Candidates who anticipate teaching journalism or theater should consider taking additional courses in these areas: CA 333 News Journalism, TH 134 Principles of Acting and/or TH 237 Beginning Directing.

NOTE: English Education Majors are required to take ENG 461 Specialized Methods in English Language Arts as part of their Certificate Requirements within the Bachelor of Science in Education. See the "specialized Instruction" section of the Education Program for details.

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN ENGLISH LANGUAGE ARTS (GRADES 4-9):

A student must complete the following program in addition to the Essential Studies, Professional Education Middle Grades requirements and one other Content Area of Specialization for Middle Grades. Students seeking the degree of Bachelor of Science in Education in English must hold a 3.0 GPA in their English courses and receive a grade of "C" or above in all English classes.

ENG 233	Elements of Literature	3	ENG 432	Shakespeare	3
ENG 235	Children's Literature	3	ENG 438	Adolescent Literature	3
ENG 320	Grammar & Linguistics	3			
ENG 331	Theory & Practice of Teaching Writing ...	3			
				Total	18

Teacher candidates are encouraged to take ENG 249, Creative Writing: (a) Nonfiction Prose or (b) Fiction or (c) Poetry in addition to the above requirements.

MINORS

Comparative Philosophy: A student must complete the following program in addition to a major in another area and the Essential Studies requirements.

PHIL 231	Introduction to Philosophy	3	*Electives	12
PHIL 235	Chinese Philosophy	3		
PHIL 333	Symbolic Logic	3		
			Total	21

*Chosen from the following courses: CA 260; ENG 343, 440; HUM 332, 335; MATH 237; PHIL 400, 432, 433, 435; PS 431. NINE of these hours must be upper-division.

English: A student must complete the following program in addition to a major in another area and the Essential Studies requirements.

ENG 232	History of Amer. Lit. (a) or (b)	3	ENG 436	World Literature	3
ENG 233	Elements of Literature	3		Upper Division English Electives	9
ENG 236	History of Eng. Lit. (a) or (b)	3			
				Total	21

Writing: A student must complete the following program in addition to a major in another area and the Essential Studies requirements.

ENG 249	Creative Writing: (a) or (b) or (c)	6	*Electives	9
ENG 320	Grammar and Linguistics	3		
ENG 400	Independent Study	3		
			Total	21

*Chosen from the following courses: CA 133, 333; ENG 249 a, b, or c, 331, 349, 361, 440; HIST 356; LS 238. SIX of these hours must be upper-division.

AREA OF CONCENTRATION

English: A student must complete the following program in addition to the Essential Studies and Professional Education, Elementary Education requirements.

ENG 233	Elements of Lit.....	3
ENG 320	Grammar & Linguistics.....	3
ENG 331	Theory & Practice of Teaching Writing..	3
	Total	9

FAMILY AND CONSUMER SCIENCES

Mission

The mission of the Family and Consumer Sciences academic program is to engage students in learning the theories and practicing the professional skills needed to empower individuals and families throughout the lifespan to manage the challenges of living and working in a complex world.

Student Learning Outcomes

Students in this program will develop knowledge, skills, competencies, and attitudes so they will be able to:

1. Analyze factors which contribute to the development of healthy individuals throughout the lifespan (conception through old age).
2. Analyze nutrition and life course choices which influence lifespan wellness.
3. Assess the relationship between managing resources (time, energy, money) and achieving personal or family goals.
4. Apply critical and creative thinking skills in addressing individual and family problems and issues in diverse environments.
5. Describe the physical, emotional, mental and social development of children.
6. Illustrate the role food, clothing, and shelter play in individual and family consumerism and resource management.
7. Summarize the history of the FCS profession as well as the multiple career paths available to FCS graduates.
8. Demonstrate the ability to use knowledge, skills, competencies, and attitudes in a professional work experience.

Family and Consumer Sciences program offers students an opportunity to select one of five Bachelor’s degrees for academic and career presentation:

- Bachelor of Sciences in Family Consumer Science Teacher Education
- Bachelor of Arts in Family Consumer Science with options in:
 - Child and Family Studies
 - Design and Merchandising
 - Health and Human Services
 - Nutrition and Wellness

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN FAMILY AND CONSUMER

SCIENCES: A student must complete the Essential Studies requirements, the following core requirements, and one of the options listed below. Consultation with an advisor is recommended to help plan the sequencing of classes.

FCS Core Requirements

FCS 122	Perspectives in Family & Con. Sci.....	2	FCS 331	Resource Management	3
FCS 139	Human Development	3	FCS 422	Professional Career Development	2
FCS 247	Nutrition	3	FCS 435	Consumer Science	3
FCS 314	Future Focus.....	1		Total	20
FCS 320	Aging and Death	3			

Child and Family Studies Option

Essential Studies Requirements 42
FCS Core Requirements20
FCS 136 Food Science2
FCS 136L Food Science Lab1
(FCS 136 & FCS 136L MUST be taken together)

OR

FCS 236 Food & Meals Across the Lifespan3

FCS 237 Guidance Tech in Human Relations3
FCS 238 Prenatal & Infant Practicum3
FCS 239 Partners in Early Childhood Education ..3
Total 77

Plus select one of the following two focus areas 21-24
Total 98-101

Focus Area: A student must choose one of the following focus areas listed below:

Child Studies

Essential Studies requirements 42
FCS Core Requirements 20
Major Requirements for Child & Family Option ... 12
CA 420 Relational & Family Communication . 3
EDUC 231 Play, Art, Music for Early Childhood ..3
EDUC 232 Sci, Math, and Soc Sci for Early Child 3
EDUC 233 Lit & Lang Arts for Early Childhood...3

FCS 321A Curriculum Development in Early
Childhood Education.....2
FCS 423 Program Development & Management...3
FCS 448/448LEarly Childhood Practicum & Lab.....4
SPED 230 Introduction to the Exceptional Learner..3
Total 98

Plus Elective credits..... 22
Total credits for major 120

OR

Family Studies

Essential Studies Requirements42
FCS Core Requirements20
Major Requirements for Child & Family Option12
CA 420 Relational & Family Communication . 3

CA 440 Gendered Communication..... 3
CTE 431 Introduction to Special Needs3
FCS 335 Families in Society3

*Recommended elective options:

EDUC 224, EDUC 434, HPER 226, HPER 429, MKTG 231, SPED 331, SPED 334, BNA WNCC 1190/FCS 149

FCS 390 Internship3
FCS 437 Family Strengths3
FCS 457 Nutrition for Community Wellness3

LS 236 Family Law3
Total 98

*Elective credits 22
Total credits for major 120

Design & Merchandising Option

Core Requirements20
FCS 135 Alteration & Construction Tech3
FCS 224 Housing and Interior Design3
FCS 340 Current Trends in Design3
FCS 341 Textiles.....3

FCS 341L Textiles Lab..... 1
FCS 390 Internship3

*Choose 12 hours of electives from below.....12
Total 47

*Recommended Electives: CA 230; BIS 230, 337; HPER 226, MKTG 160

Select a minimum of 12 credit hours from the following courses:

ART 229 Introduction to Graphic Design..... 3
ART 233 Introductory Photography3
ART 323 Creative Photography3
ART 331 Watercolor.....3
ART 338 Art History Survey I
OR
ART 339 Art History Survey II
OR
ART 340 Twentieth Century Art Survey3
BA 337 Business Law3

BA 432 Business Ownership 3
MGMT 230 Principles of Management.....3
MKTG 231 Principles of Marketing3
MKTG 331 Sales Techniques3
MKTG 338 Buyer Behavior3
MKTG 334 Entrepreneurship – Imagination/Opp...3
MKTG 335 Entrepreneurship – Business Start Up..3
MKTG 336 Entrepreneurship – Promotions & Adv 3
MS 330 Management and Care of Collections ..3

Health and Human Services Option

FCS Core Requirements	20
Major Requirements for Health & Human Services Option:	
FCS 234 Intro to Health & Human Services	3
FCS 390 Internship in FCS	3
FCS 420 Loss Across the Lifespan	3
FCS 434 Issues in Health & Human Ser	3
CTE 430 Intro to Special Needs Prog. In CTE... 3	

LS 235 Administrative Law	
OR	
LS 236 Family Law	3
MATH 232 Applied Statistics	
OR	
PSYC 238 Intro to Behavioral Statistics	3
Total	
41	

*Select one of the following two focus areas

Focus Area: A student must choose one of the following focus areas listed below:

Health Services

FCS 427 Worksite Wellness	3	FCS 457 Epidemiology & Global Health.....	3
FCS 436 Global Food Systems	3	CA 353 Health Communications	3

OR

Gerontology

FCS 437 Family Strengths	3	LS 431 Intro to Estates & Trusts.....	3
SW 332 Services to Elderly & Differently Abled	3	CA 420 Relational & Family Communications.	3

Note: Students pursuing this option MUST take FCS 335 as one of their Global Social Awareness Essential Studies Requirements; CA 230 as their Communication Arts Essential Studies Requirement. Recommended electives include PSYC 131 & PSYC 421, MGMT 420.

***RHOP: This option is part of the Rural Health Opportunities Program, Option: Master of Public Health.**

Nutrition and Wellness Option

FCS Core Requirements	20	FCS 390 Internship in FCS	3
CA 353 Health Communications	3	FCS 417 Lifespan Wellness	3
FCS 151 Foundations of Nutrition & Metab.....	3	FCS 427 Worksite Wellness	3
FCS 136 Food Science	2	FCS 447 Nutrition for Sport & Wellness	3
FCS 136L Food Science Lab.....	1	FCS 457 Nutrition for Community Wellness.....	3
(FCS 136 and FCS 136L MUST be taken together)		FCS 467 Epidemiology & Global Health.....	3
OR		HPER 336 Fitness Evaluation & Prescription.....	3
FCS 236 Food & Meals Across the Lifespan.....	3	Total	
		53	

Note: Check with the department regarding changes to the above HPER courses information.

*Statistics course recommended: MATH 232 or PSYC 242.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN FAMILY AND CONSUMER SCIENCES (6-12): A student must complete the Essential Studies, graduation literacy and Professional Education requirements in addition to the following field endorsement courses:

CTE 434	Prin & Philosophy of CTE	3	FCS 320	Aging and Death	3	
CTE 438	Coord. Tech & Work Based Learning..	3	FCS 331	Resource Management	3	
FCS 122	Perspectives in Family & Con. Sci.....	2	FCS 335	Families in Society.....	3	
FCS 135	Alteration & Construction Tech		FCS 340	Current Trends in Design	1	
OR						
FCS 224	Housing and Interior Design	3	FCS 341	Textiles.....	4	
FCS 139	Human Development	3	FCS 417	Lifespan Wellness	3	
FCS 136	Food Science	2	FCS 421	Organization, Admin & Curr of FCS ...	2	
FCS 136L	Food Science Lab.....	1	FCS 422	Professional Career Development.....	2	
(FCS 136 and FCS 136L MUST be taken together)						
OR						
FCS 236	Food & Meals Across the Lifespan.....	3	FCS 435	Consumer Science.....	3	
FCS 247	Nutrition.....	3	FCS 437	Family Strengths	3	
FCS 314	Future Focus.....	1	FCS 447	Nutrition for Sport & Wellness		
OR						
			FCS 457	Nutrition for Community Wellness.....	3	
					Total	51

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN FAMILY & CONSUMER SCIENCES (Grade 4-9): A student must complete the following program in addition to the Essential Studies, graduation literacy, Professional Education, Middle Grades requirements and another Content Area of Specialization in Middle Grades.

FCS 139	Human Development	3	FCS 247	Nutrition	3	
FCS 136	Food Science	2	FCS 331	Resource Management	3	
FCS 136L	Food Science Lab.....	1	FCS 435	Consumer Science.....	3	
(FCS 136 and FCS 136L MUST be taken together)						
OR						
FCS 236	Food & Meals Across the Lifespan.....	3				
					Total	18

The Degree of Bachelor of Science in Education with an EARLY CHILDHOOD INCLUSIVE FIELD ENDORSEMENT (BIRTH THROUGH GRADE 3): This endorsement qualifies teachers to teach and provide services to infants, toddler, and children from birth through grade 3, including those with special developmental and/or learning needs as defined in Section 79-1118.08R.S, and to support families and other personnel with responsibilities for their care and education. A student must complete the following program requirements in addition to the Essential Studies and Professional Education Program course requirements. Within Essential Studies education majors must take ENG 135, ENG 361 and CA 125 or CA 233

Professional Education: The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required; no grade may be below a “C”):

EDUC 131	Intro to Teaching	3	SPED 230	Intro Except Learner	3
EDUC 224	Multi Media Support Instr./Learning.....	3	SPED 334	Diff Instr for Diverse Classrooms	3
EDUC 320	Elem/MS Obs & Participation.....	1-3	Total		
EDUC 434	Technology In Instructional Strategies.....	3			
PSYC 231	Educational Psychology.....	3			

Early Childhood Inclusive Endorsement: The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required and no grade below a “C”):

EDUC 231	Play, Art & Music for Early Childhood ....3		
EDUC 232	Sci, Math & Soc Stu for Early Child.....3	FCS 448/448L	Early Childhood Practicum & Lab (Age 3 through Grade 3).....4
EDUC 233	Lit & Language Arts for Early Child .....3	SPED 216	Clinical Experience in Pre-referral..... 1
EDUC 321	Teach Elem/MS Math .....2	SPED 316e	Micro Teaching in Preschool .....1
FCS 139	Human Development .....3	SPED 331	Behavior Interventions 3
FCS 237	Guidance Tech in Human Relations.....3	SPED 433	Program Dev, Implem, & Mgmt .....3
FCS 238	Prenatal & Infant Practicum (Birth through age 3).....3	SPED 435	Assessment Indiv Mild/Mod Dis.....3
FCS 239	Partners in Early Child Educ .....3	SPED 438	Consultation/Collaboration .....3
FCS 321A	Curriculum Development in Early Childhood Education .....2	SPED 439	Language & Learning Disorders .....3
FCS 423	Program Development Mgmt.....3		Total 49

Professional Year Courses: (two semesters) comprised of the “Block” Professional Semester and the Teacher Internship Experience Semester (Student Teaching): The following courses can be taken only as part of the Professional Year (2.75 minimum cumulative GPA required): Refer to Admission Requirements for the Professional Year.

Semester #1 – Block:

EDUC 413	Elem/MS Curr & Counseling 1	EDUC 422	Teach Elem/MS Science & Health .....2
EDUC 414	Classroom Mgmt 1	EDUC 423	Teach Primary Reading & Writing .....2
EDUC 415	Human Relations/Multicultural 1	EDUC 424	Teach Interm. Reading & Writing .....2
EDUC 416	Elem/MS Assessment..... 1	SPED 412e	SPED Practices & Strategies.....1
EDUC 417	Teach Reading & Writing Diagnosis 1		Total 12

Semester #2 – Teacher Internship:

EDUC 480P, Teacher Internship Primary and EDUC 480R, Teacher Internship Early Childhood Education Inclusive can be taken only upon successful completion of the above (Semester #1 – “Block”) courses (minimum cumulative GPA of 2.75 required).

NOTE: The Praxis II: Test #5024, Education of Young Children must be taken as a requisite for graduation.

SUPPLEMENTAL ENDORSEMENT IN EARLY CHILDHOOD EDUCATION (Age 3 through Grade 3)

Persons with this endorsement are prepared to teach children from Pre-kindergarten (age 3) through grade 3/age 8. Candidates for this endorsement must hold, or earn concurrently, an Elementary Education (K-6) endorsement. (No grade may be below a “C”)

EDUC 231	Play, Art & Music 3	FCS 321A	Curr Dev in Early Childhood Education....2
FCS 139	Human Development 3	FCS 423	Program Development & Mgmt .....3
FCS 237	Guid. Tech. in Human Relations..... 3	FCS 448/448L	Early Childhood Practicum & Lab.....3
**FCS 238	Prenatal and Infant Practicum. 3	FCS 448L	Early Childhood Practicum Lab.....1
FCS 239	Partners in Early Childhood Educ 3		Total 24

Note: **Candidates must complete 45 clock-hours per practicum working with preschool (pre-kindergarten) children.

AREA OF CONCENTRATION

Early Childhood Education These courses must be completed along with the Elementary Education Field Endorsement curriculum.

EDUC 231	Play, Art & Music for Early Childhood 3
FCS 139	Human Development 3
FCS 237	Guid. Tech. in Human Relations 3
	Total 9

MINORS in Family and Consumer Sciences

The Family and Consumer Sciences program offers minors in the following areas:

Child and Family Studies
 Nutrition and Wellness
 Textiles and Fashion

Child and Family:

FCS 139	Human Development	3	FCS 331	Resource Management	3
FCS 237	Guidance Tech in Human Relations.....	3	FCS 437	Family Strengths	<u>3</u>
FCS 238	Prenatal & Infant Practicum.....	3		Total	18
FCS 320	Aging and Death	3			

Nutrition and Wellness:

FCS 136	Food Science	2	FCS 417	Lifespan Wellness	3
FCS 136L	Food Science Lab.....	1	FCS 427	Worksite Wellness	3
(FCS 136 and FCS 136L MUST be taken together)			FCS 447	Nutrition for Sport & Wellness	3
OR					
FCS 236	Food & Meals Across the Lifespan.....	3	FCS 457	Nutrition for Community Wellness.....	<u>3</u>
FCS 247	Nutrition	3		Total	18

Textiles and Fashion:

FCS 135	Alteration & Construction Tech.....	3	FCS 341	Textiles.....	3
FCS 224	Housing & Interior Design.....	3	FCS 3341L	Textiles Lab.....	1
FCS 331	Resource Management	3	MKTG 231	Principles of Marketing.....	<u>3</u>
FCS 340	Current Trends in Design	3		Total	19

ACADEMIC CERTIFICATES in Family and Consumer Sciences

Family Life: A student may be awarded a certificate in Family Life upon successful completion of the following requirements:

FCS 320	Aging & Death	3	FCS 437	Family Strengths	<u>3</u>
FCS 331	Resource Management	3		Total	12
FCS 335	Families in Society.....	3			

Parenting: A student may be awarded a certificate in Parenting upon successful completion of the following requirements:

FCS 139	Human Development	3	FCS 239	Partners in Early Childhood Ed.....	<u>3</u>
FCS 237	Guidance Tech in Human Relations.....	3		Total	12
FCS 238	Prenatal & Infant Practicum.....	3			

Wellness: A student may be awarded a certificate in Wellness upon successful completion of the following requirements:

FCS 136	Food Science	2	FCS 247	Nutrition	3
FCS 136L	Food Science Lab.....	1	FCS 417	Lifespan Wellness	3
(FCS 136 and FCS 136L MUST be taken together)			FCS 447	Nutrition for Sport & Wellness	3
OR					
FCS 236	Food & Meals Across the Lifespan.....	3	FCS 457	Nutrition for Community Wellness.....	<u>3</u>
				Total	15

HEALTH, PHYSICAL EDUCATION, AND RECREATION

Mission - Recreation

The mission of the Chadron State College Recreation program is to meet the educational needs of individuals interested in the broad field of Recreation which includes the disciplines of Sport and Leisure Services, Outdoor Adventure Education, and Fitness and Exercise. The students in Recreation will develop the philosophies, knowledge and skills to become leaders in these disciplines. The program is designed to foster a commitment to providing lifelong recreational opportunities for the general public.

Student Learning Outcomes - Recreation

- Participate in scholarly activities and services that promote student development by encouraging professional involvement, community service, certification, and lifelong learning.
- Understand and develop effective leadership styles to successfully enter management positions in the field of recreation.
- Demonstrate competency in skills needed to design, implement, and administer a variety of programs and activities in the field of Exercise and Fitness, Sports, Outdoor Adventure, Recreation, and Leisure Services.
- Develop a knowledge base and the skills necessary to participate in lifelong recreational activities.
- Understand and be able to contribute to the enhancement in the overall quality of life for participants in the field of recreation.
- Design and outline outcomes for the development of a recreation program for their specific field.
- Gain a basic knowledge regarding legal liability which is necessary to provide a safe and productive environment for participants in the field of recreation.
- Understand the importance and general principles of proper fiscal management in recreational programs.

Mission – Physical Education

The mission of the Physical Education Teaching Endorsements, within the Health, Physical Education Department is twofold:

1. To provide high quality education and training, leading to teacher certification in teaching Physical Education.
2. To provide professional, managerial, and analytical skill development for potential HPER educators.

To meet the mission of the Physical Education Teacher Education program the following National Standards for Initial Physical Education Teacher Education will be utilized.

1. Physical Education teacher candidates will know and apply discipline-specific scientific and theoretical concepts critical to the development of physically educated individuals.
2. Physical Education teacher candidates will be physically educated individuals with the knowledge and skills necessary to demonstrate competent movement performance and health-enhancing fitness as delineated in the NASPE K – 12 standards.
3. Physical Education teacher candidates will be able to plan and implement developmentally appropriate learning experiences aligned with local, state, and national standards to address the diverse needs of all students.
4. Physical Education teacher candidates will use effective communication and pedagogical skills and strategies to enhance student engagement and learning.
5. Physical Education teacher candidates will use assessments and reflection to foster student learning and inform decisions about instruction.
6. Physical Education teacher candidates will demonstrate disposition essential to becoming effective professionals.

Student Learning Outcomes - Physical Education

- Define Physical Education.
- List the four components of physical fitness.
- Identify what constitutes a quality physical education program.
- Align curriculum and lesson plans to the National Association of Sport and Physical Education standards.
- Recognize processes of motor movement and assess student progress.
- Construct a quality physical education lesson plan.
 - Components of the lesson plan

- Safety precautions
- Equipment
- Goals and outcomes
- Extensions and adaptations
- Adapt the physical education environment for all learners.
- Administer physical education and fitness tests that evaluate and assess the psychomotor, affective, and cognitive domains.
- Promote the value of physical education in the community.
- Integrate other content areas such as math, geography, reading, history, and science into the physical education curriculum.

Mission – Health Education

The main focus of the Chadron State College Health Education Program is to provide an endorsement in Health Education. It is the goal of the department to develop leaders in education who support the academic mission of department of Health, Physical Education and Recreation. Graduates with a health endorsement will have the knowledge to instruct students and community members to actively practice and promote good health and well-being through education, prevention, and intervention programs designed to enhance one’s ability to participate in, and benefit from acquired knowledge and experience gained in regard to living a healthy lifestyle.

To meet the mission of the Health Education Teacher Education Program the following NCATE Health Education Teacher Preparation Standards will be utilized.

1. Health Education Teacher Education candidates will demonstrate the knowledge and skills of a health literate educator.
2. Health Education Teacher Education candidates will assess needs to determine priorities for school health education.
3. Health Education Teacher Education candidates will plan effective comprehensive school health education curricula and programs.
4. Health Education Teacher Education candidates will implement health education instruction.
5. Health Education Teacher Education candidates will assess student learning.
6. Health Education Teacher Education candidates will plan and coordinate a school health education program.
7. Health Education Teacher Education candidates will serve as a resource person in health education.
8. Health Education Teacher Education candidates will communicate and advocate for health and school health education.

Learning Outcomes – Health Education

- Demonstrate knowledge in the field of health by being able to comprehend concepts related to the promotion of health and the prevention of disease.
- Demonstrate the knowledge to promote health-enhancing behaviors and reduce health risks.
- Analyze and describe the influence of culture, media, technology and other factors on health.
- Demonstrate the ability to use interpersonal communication skills to enhance health.
- Demonstrate the ability to promote goal-setting and decision-making skills to enhance health.
- Demonstrate the knowledge to promote personal, family and community health.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN SPORTS AND RECREATION

MANAGEMENT: A student must complete the Essential Studies requirements, the graduation literacy requirement, the following core requirements, and one of the options listed below. Consultation with an advisor is recommended to help plan the sequencing of classes.

Core Requirements

HPER 226	Safety and First Aid	2	HPER 449	Event and Facility Mgmt	3
HPER 234	Introduction to Recreation.....	3	HPER 490	Internship	3
*HPER 333	Leadership in Recreation.....	3	MGMT 230	Principles of Management.....	3
HPER 335	Org & Admin of HPER.....	3	MKTG 231	Principles of Marketing.....	3
HPER 437	Legal Aspects of Sports & Rec.	3		Total	29
HPER 440	Prevention & Care of Ath Injuries	3			

* Requires a Pre-requisite

Exercise Science Option

Core Requirements	29	*HPER 336 Fitness Eval & Exercise Prescription ...	3
HPER 108 Fitness Activities	3	HPER 429 Motor Movement	3
#HPER 209 Advanced Fitness Activities	3	*HPER 439 & 439L Biomechanics of Sports & Lab	3
HPER 223 Aquatics and Water Safety	3	FCS 447 Nutrition for Sport and Wellness	3
HPER 232 Anatomical & Physiological Kines	3		Total 53

* Requires a pre-requisite
Requires Medical Permission

Outdoor Adventure Option

Core Requirements	29	HPER 221 Camp Counseling	2
AGRI 235 Intro to Wildlife Management	3	HPER 223 Aquatics and Water Safety	3
GEOS 137 Environmental Geology	3	HPER 422 Introduction to Adapted PE	3
HPER 102 Shooting Activities	3	*HPER 436 Outdoor Adventure Skills	3
HPER 120 Outdoor Activities	3		Total 52

* Requires a Pre-requisite

Sport Leadership Option

Core Requirements	29	*HPER 453 Sports Officiating	3
HPER 220 Theory of Coaching	2	FCS 447 Nutrition for Sports and Wellness	3
HPER 336 Fitness Eval & Exercise Prescription	3	*Electives in Coaching (321, 322, 323, 423, 424,	
HPER 232 Anatomical & Physiological Kines	3	425,426)	6
*HPER 421 Phil & Psyc Found of Sport	2		Total 54
*HPER 439 & 439L Biomechanics of Sports & Lab ...	3		

*Requires a Pre-requisite

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN HEALTH AND

PHYSICAL EDUCATION (K-12): A student must complete the following program in addition to the Essential Studies and Professional Education Requirements for a Secondary Endorsement. Students pursuing this major must complete HPER 233 as the Personal and Social Responsibilities Essential Studies requirement.

HPER 107 Individual Sport Activities	3	HPER 339 Theory of Physical Education K-8	3
HPER 108 Fitness Activities	3	HPER 422 Intro to Adapted PE	3
HPER 122 Foundations of Health & PE	2	HPER 427 Rhythmic Movement	2
HPER 207 Team Sport Activities	3	HPER 429 Motor Movement	3
HPER 223 Aquatics and Water Safety	3	*HPER 431 Community & Environmental Health ..	3
HPER 226 Safety & First Aid	2	HPER 432 Tests & Measurements in PE	3
HPER 232 Anatomical & Physiological Kines	3	HPER 435 Curriculum Planning in PE and Health	3
HPER 236 Health Topics	3	*HPER 439 & 439L Biomechanics of Sports & Lab	3
HPER 325 Teaching Individual & Dual Sports	3	*HPER 441 Coordinated School Health	3
*HPER 336 Fitness Eval & Exercise Prescription	3		Total 54

*Requires a Pre-requisite

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN PHYSICAL

EDUCATION (K-6): A student must complete the following program in addition to the Essential Studies and Professional Education Requirements, including EDUC 431C Special Methods.

HPER 107	Individual Sport Activities	3	HPER 422	Intro to Adapted PE.....	3
HPER 108	Fitness Activities	3	HPER 427	Rhythmic Movement.....	2
HPER 122	Foundations of Health & PE	2	HPER 429	Motor Movement	3
HPER 226	Safety & First Aid	2	HPER 432	Test & Measurements in PE.....	3
HPER 232	Anatomical & Physiological Kines	3	*HPER 439 & 439L	Biomechanics of Sports & Lab	3
HPER 335	Org & Admin of HPER & Athletics	3		Total	33
HPER 339	Theory of Physical Education K-8.....	3		*Requires a Pre-requisite	

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN PHYSICAL EDUCATION (7-12): A student must complete the following program in addition to the Essential Studies and Professional Education Requirements.

HPER 107	Individual Sport Activities	3	HPER 422	Intro to Adapted PE.....	3
HPER 108	Fitness Activities	3	HPER 427	Rhythmic Movement.....	2
HPER 122	Foundations of Health & PE	2	HPER 429	Motor Movement	3
HPER 223	Aquatics and Water Safety.....	3	HPER 432	Tests & Measurements in PE	3
HPER 226	Safety & First Aid	2	HPER 435	Curriculum Planning in PE& Health....	3
HPER 232	Anatomical & Physiological Kines	3	*HPER 439 & 439L	Biomechanics of Sports & Lab	3
HPER 325	Teaching Individual & Dual Sports.....	3		Total	36

*Requires a Pre-requisite

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN HEALTH EDUCATION (7-12): A student must complete the following program in addition to the Essential Studies and Professional Education requirements.

FCS 247	Nutrition	3	HPER 335	Org & Admin of HPER & Athletics	3
HPER 108	Fitness Activities	3	HPER 336	Fitness Eval. & Exercise Prescription...	3
HPER 122	Foundations of Health & PE.....	2	*HPER 431	Community & Environmental Health ..	3
HPER 226	Safety & First Aid	2	HPER 435	Curriculum Planning in PE& Health....	3
HPER 232	Anatomical & Physiological Kines	3	*HPER 441	Coordinated School Health Programs ..	3
HPER 233	Personal Health and Wellness	3		Total	34
HPER 236	Health Topics	3		*Requires a Pre-requisite	

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN HEALTH AND PHYSICAL EDUCATION (GRADES 4-9): The student must complete the following program in addition to a Field Endorsement in middle grades 4-9, another Content Area of Specialization, and Essential Studies requirements. Students pursuing this major must complete HPER 233 as the Personal and Social Responsibility Essential Studies requirement.

HPER 232	Anatomical and Physiological Kines	3	HPER 429	Motor Movement.....	3
HPER 325	Teaching Individual and Dual Sports	3	HPER 435	Curriculum Planning in PE & Health	3
HPER 339	Theory of Physical Education K-8.....	3	HPER 432	Tests & Measurements in PE	3
HPER 422	Intro to Adapted PE.....	3		Total	21

SUPPLEMENTAL ENDORSEMENT IN COACHING (7-12): A student must complete the following program in addition to a Subject or Field Endorsement, Professional Education, and Essential Studies requirements.

HPER 220	Theory & Principles of Coaching.....	2	HPER 449	Event and Facility Mgmt	3
HPER 226	Safety & First Aid	2	*HPER 453	Sports Officiating	3
HPER 335	Org & Admin of HPER & Athletics	3	HPER 490	Internship	3
*HPER 421	Phil & Psc Foundation of Sport.....	2	*Electives in Coaching (HPER 321, 322, 323,		
HPER 437	Legal Aspects of Sports & Rec	3	423, 424, 425, 426)	6	
HPER 440	Prevention & Care of Athletic Injuries.....	3		Total	30

*Requires a Pre-requisite

MINORS in Health, Physical Education, and Recreation

Exercise Science:

HPER 108	Fitness Activities	3	*HPER 439 & 439L Biomechanics of Sports & Lab	3
HPER 122	Foundations of Health & PE	2	FCS 447 Nutrition for Sport and Wellness	3
HPER 209	Advanced Fitness Activities	3		Total 21
HPER 223	Aquatics and Water Safety	3	*Requires a Pre-requisite	
HPER 232	Anatomical & Physiological Kines	3		
*HPER 336	Fitness Eval & Exercise Prescription	1		

Outdoor Adventure:

HPER 102	Shooting Activities	3	HPER 422 Introduction to Adapted PE	3
HPER 120	Outdoor Activities	3	*HPER 436 Outdoor Adventure Skills	3
HPER 221	Camp Counseling	2		Total 22
HPER 223	Aquatics and Water Safety	3	*Requires a Pre-requisite	
HPER 226	Safety & First Aid	2		
HPER 234	Introduction to Recreation	3		

Sports Leadership:

HPER 220	Theory & Principles of Coaching	2	HPER 440 Prevention & Care of Athletic Injuries	3
HPER 226	Safety & First Aid	2	HPER 453 Sports Officiating	3
HPER 335	Org & Admin of HPER & Athletics	3	Electives in Coaching (HPER 321, 322, 323, 423, 424, 425, 426)	3
*HPER 421	Phil & Psyc Foundation of Sport	2		Total 21
*HPER 437	Legal Aspect of Sports & Rec	3		

*Requires a Pre-requisite

AREA OF CONCENTRATION – Elementary Education

Physical Education: The student must complete the following program (with a minimum GPA 2.50) in addition to the Essential Studies and Professional Education Requirements for Elementary Education:

HPER 339	Theory of Physical Education K-8	3	HPER 435 Curriculum Planning in PE	3
HPER 429	Motor Movement	3		Total 9

HISTORY

Student Learning Outcomes

1. Historical interpretation
 - 200 - Illustrate how historians make interpretations of the past
 - 300 - Distinguish broad trends in historical interpretations (historiography)
 - 400 - Synthesize multiple historical interpretations
2. Scholarly Argument
 - 200 - Identify authors' arguments
 - 300 - Distinguish between authors' main arguments and secondary points
 - 400 - Evaluate authors' arguments and evidence
3. Primary Sources
 - 200 - Learn how to analyze/question a primary source
 - 300 - Evaluate trustworthiness of sources and contrast diverse and conflicting primary sources
 - 400 - Formulate relationships among multiple primary sources
4. Thesis Statement
 - 200 - Develop thesis statement supported by evidence using appropriate standards of evidence
 - 300 - Create an argument, marshal evidence from multiple sources, and use endnotes, footnotes, and bibliography
 - 400 - Select problem of study, find appropriate resources, and use endnotes, footnotes, and bibliography

5. Social Sciences
 - 200 – Demonstrate the connections among cognate social studies areas
 - 300 - Integrate perspectives from multiple cognate social studies areas
 - 400 - Evaluate the applicability of cognate social science areas
6. Communication
 - Display clear and cogent written and oral communication

The Degree of Bachelor of Arts with a SUBJECT MAJOR IN HISTORY: A student must complete the following program, the Essential Studies requirements, and a major or minor in another discipline. Information Literacy is recommended to take during the first year of study at CSC.

<u>Survey in History:</u>		<u>Content/Context (North American West):</u>	
HIST 151 or 152 United States before 1877 or		HIST 361, 362, 363, 364, 365, or 366 (select two).....	6
United States since 1877 (select one)	3		
<u>Historical Process:</u>		<u>Content/Context (World)</u>	
HIST 171 or 172 World History before 1500 or		HIST 371, 372, 373, 374, 375, or 376 (select two).....	6
World History after 1500 (select one)	3		
<u>Historical Process:</u>		<u>Seminar in Process/Content:</u>	
HIST 210, 220, 230, 240 (select two).....	6	HIST 455, 465, or 475 (select one).....	3
<u>Content/Context (US/Europe):</u>		<u>Seminar in the Social Sciences:</u>	
HIST 351, 352, 353, 354, 355 or 356 (select two).....	6	HIST 495	3
		Total	36

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN HISTORY (7-12): A student must complete the following program in addition to the Essential Studies and Professional Education requirements. Information Literacy is recommended to take during the first year of study at CSC.

<u>Survey in History:</u>		<u>Content/Context (World)</u>	
HIST 151 or 152 United States before 1877 or		HIST 371, 372, 373, 374, 375, or 376 (select two).....	6
United States since 1877 (select one)	3		
<u>Historical Process:</u>		<u>Seminar in Process/Content:</u>	
HIST 210, 220, 230, 240 (select two).....	6	HIST 455, 465, or 475 (select one).....	3
<u>Content/Context (US/Europe):</u>		<u>Social Sciences Supporting Coursework</u>	
HIST 351, 352, 353, 354, 355 or 356 (select two).....	6	Electives from Political Science or Anthropology.....	6
<u>Content/Context (North American West):</u>		<u>Seminar in the Social Sciences:</u>	
HIST 361, 362, 363, 364, 365, or 366 (select two).....	6	HIST 495	3
		Total	39

MINOR in History

A student must complete the following program in addition to a major in another discipline and the Essential Studies requirements:

<u>Survey in History:</u>		<u>Content/Context (US/Europe):</u>	
HIST 151 or 152 United States before 1877 or		HIST 351, 352, 353, 354, 355 or 356 (select one).....	3
United States since 1877 (select one)	3	<u>Content/Context (North American West):</u>	
HIST 171 or 172 World History before 1500 or		HIST 361, 362, 363, 364, 365, or 366 (select one).....	3
World History after 1500 (select one)	3	<u>Content/Context (World)</u>	
<u>Historical Process:</u>		HIST 371, 372, 373, 374, 375, or 376 (select one).....	3
HIST 210, 220, 230, 240 (select one).....	3	Total	18

INTERDISCIPLINARY STUDIES

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN INTERDISCIPLINARY STUDIES:

The Bachelor of Arts with a Comprehensive Major in Interdisciplinary Studies is designed for the motivated student who is seeking specific degree competencies not fulfilled by traditional degree programs offered through Chadron State College. This program is intended to meet the needs of students who are self-directed, have a clear sense of educational purpose, and are able to integrate learning experiences across the academic curriculum. Following an approved curriculum, the student completes an individualized educational experience intended to provide a coherent, goal-oriented, academically sound knowledge base that is directly relevant to the intellectual development and career path of the student.

Student Learning Outcomes

Student will:

1. Describe connections between their coursework and their anticipated career
2. Discuss linkages within their coursework
3. Write logically and persuasively, using proper grammar and punctuation

Degree Requirements

Essential Studies	42
Courses selected in consultation with academic advisor (a minimum of 40 hours must be 300 or 400 level courses).....	<u>78</u>
	Minimum Total Credit Hours 120

Special Requirements

- Application for the Bachelor of Arts with a Comprehensive Major in Interdisciplinary Studies **must** be made to the Dean of Curriculum and Graduate Studies prior to completing 90 semester hours of college credit.
- At least 30 of the total semester hours must be completed through Chadron State College's traditional classroom, interactive television, or online (Internet-based) instruction. The balance may be obtained through approved prior learning credit, CLEP, or Internships. No more than 42 semester hours may be earned through a combination of experiential credit programs (CLEP, Prior Learning Credit, Internships), with not more than 18 semester credit hours earned from any one experiential credit program.
- Following acceptance into the program, students must meet with the Dean of Curriculum and Graduate Studies or designated academic advisor to complete an official plan of study.
- Hours used to fulfill an Interdisciplinary major may not be used to fulfill additional majors or minors.

JUSTICE STUDIES

The Justice Studies program provides the student with instruction in Criminal Justice and Legal Studies. The program focuses on the building of knowledge in the areas of law enforcement, criminology, law, paralegal studies, courts, juvenile justice, forensic studies, and corrections from a social science perspective. The program strives to promote basic principles of justice that enhance the criminal justice and legal professions and benefit the community at large. The program seeks to produce students who are critical and ethical thinkers, knowledgeable about issues of crime, law and justice, and appreciative and mindful of their civic and social responsibilities to provide service and leadership in their communities. The program provides students with the professional and academic preparation necessary for entry-level positions in public and private sectors. The program also provides students with the preparation necessary for successful graduate study and endeavors to provide professionals with career-enhancing educational experiences.

Student Learning Outcomes – Criminal Justice

The Criminal Justice curriculum prepares students for professional criminal justice careers; for graduate work in areas such as political science, sociology, and criminal justice; and for various professional schools including law, social work, public administration and business administration. Criminal Justice students will:

- Demonstrate effective written and oral communication skills.
- Differentiate between the principal components of the criminal justice system and examine the interrelationship within and between those components.
- Demonstrate an understanding of the role of law, both substantive and procedural, as a central feature in the criminal justice system.
- Recognize and describe the scope of the crime problem, theoretical explanations of crime and delinquency, and how our understanding of these concepts affects system processes.
- Value the importance of ethics and ethical behavior in the pursuit of justice.
- Recognize issues related to effective policing in American society.
- Demonstrate foundational knowledge in the principles of scientific investigation of crime.
- Contrast the differing arrays of people and cultures as they relate to the justice system.
- Possess an awareness of the goals, successes, and challenges of institutional and community corrections.
- Evaluate issues that have traditionally confronted the justice system and identify prevailing trends, attitudes, advances and policies that will have an impact on the principal institutions of the criminal justice system.

Student Learning Outcomes – Legal Studies

The Legal Studies Program prepares non-lawyer personnel to perform support services for professionals in law firms, government offices, trust departments, real estate offices, accounting firms and other law related activities. Under a lawyer’s supervision, Legal Assistants or Paralegals are expected to perform a wide variety of functions. These include interviewing clients and witnesses, researching legal authority, analyzing factual and legal situations, preparing documents and forms, and managing offices. The curriculum also prepares students for graduate work in Legal Studies or law. Legal Studies students will:

- Possess and demonstrate a comprehensive understanding of selected areas of substantive and procedural law.
- Acquire organizational, computer literacy, writing, oral communication, and interpersonal skills.
- Demonstrate an ability to analyze problems, to formulate and evaluate logical alternative solutions, and to construct and evaluate logical arguments in support of specific positions.
- Value and employ the ethical dimensions of the paralegal profession.
- Demonstrate appropriate and effective legal research and writing skills.
- Recognize and explain the fundamentals of law office organization, and the role performed by lawyers and non-lawyers.

Honors Seminars

The Justice Studies Department offers Honors Seminars within the major. Students with a 3.25 grade point average or above are eligible to take part in the Honors Seminars. Students completing all 6 hours of the program will receive special graduation recognition.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN JUSTICE STUDIES-CRIMINAL JUSTICE: A student must complete the following program in addition to the Essential Studies requirements:

Core Requirements

CJ 231	Introduction to Criminal Justice	3	CJ 441	Ethical Issues in CJ	3
CJ 232	Introduction to Law Enforcement	3	Law Enforcement Focus*	.....	6
CJ 236	Introduction to Corrections	3	Law Focus*	.....	6
CJ 336	Multicultural Issues in CJ.....	3	Juvenile Justice Focus*	.....	6
CJ 337	Introduction to Law	3	Corrections Focus*	.....	6
CJ 339	Criminology	3	Forensic Studies Focus*	.....	6
CJ 434	Senior Seminar in CJ.....	3			
CJ 436	Seminar: Comparative CJ.....	3			
				Total	57

***Focus Areas:** A student must complete six (6) hours in each of the following five areas:

Law Enforcement: CJ 233, 238, 321, 435, 437

Law: CJ 331, 333, 334, 433, 438

Forensic Studies: CJ 235, 323, 444, 445, 450

Juvenile Justice: CJ 322, 332, 432, 439, 440

Corrections: CJ 234, 338, 430, 431, 443

Students who wish to complete an emphasis area in the program (Criminal Justice with an emphasis in Law Enforcement; Criminal Justice with an emphasis in Law; Criminal Justice with an emphasis in Corrections; Criminal Justice with an emphasis in Juvenile Justice; Criminal Justice with an emphasis in Forensic Studies) must complete four courses listed in the focus area.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN JUSTICE STUDIES-LEGAL

STUDIES: A student must complete the following in addition to the Essential Studies requirements:

Core Requirements

ACTG 241	Accounting Principles I	LS 338	Legal Research & Writing II.....	3
	OR	LS 436	Ethics/Professional Responsibility.....	3
CA 230	Conflict Resolution and Mediation		Commercial Focus*	9
LS 231	Introduction to Legal Studies		Litigation Focus*	9
LS 232	Litigation/Civil Procedures		Public Law Focus*	9
LS 238	Legal Research & Writing I			
LS 337	Introduction to Law.....			3
			Total	48

***Focus Areas:** A student must complete nine (9) hours in each of the following three areas:

Commercial: LS 332, 343, 434, 435, 444

Public Law: LS 235, 236, 333, 431, 438

Litigation: LS 233, 331, 334, 432, 433

MINORS in Justice Studies

Criminal Justice: A student must complete the following program in addition to the Essential Studies requirements and a major in another area.

CJ 231	Introduction to Criminal Justice	3	CJ 236	Introduction to Corrections	3
CJ 232	Introduction to Law Enforcement	3	CJ 337	Introduction to Law.....	3

Plus three upper division hours from three of the focus areas (Law Enforcement, Law, Corrections, Juvenile Justice, or Forensic Studies) as outlined in the description of the Criminal Justice major program..... 9

Total 21

Legal Studies: Students must complete the following program in addition to the Essential Studies requirements and a major in another area.

LS 231	Introduction to Legal Studies	3	LS 337	Introduction to Law	3
LS 238	Legal Research & Writing I	3	LS 436	Ethics/Professional Responsibility.....	3

Plus three upper division hours from three of the focus areas (Law Enforcement, Law, Corrections, Juvenile Justice, or Forensic Studies) as outlined in the description of the Criminal Justice major program..... 9

Total 21

ACADEMIC CERTIFICATE in Justice Studies

Paralegal: A student may be awarded a certificate in Paralegal Studies upon successful completion of the following requirements:

LS 231	Introduction to Legal Studies	3	Elective I*	.....	3
LS 238	Legal Research and Writing I.....	3	Elective II**	.....	6
LS 436	Ethics/Professional Responsibility.....	3			
			Total		18

*Elective I: Choose three (3) hours from LS 232, 233, 332, 434.

**Elective II: Choose six (6) hours from LS 235, 236, 331, 334, 343, 431, 432, 433, 435

MATHEMATICS

Student Learning Outcomes

- Develop mathematical ability and knowledge of the depth and breadth of mathematics.
- Communicate about and with mathematics.
- Use technology to support problem solving and promote understanding.
- Apply the mathematical sciences, including statistics, in other academic disciplines.

The Degree of Bachelor of Science with a SUBJECT MAJOR IN MATHEMATICS: A student must complete the following program in addition to Essential Studies Program and a major or minor in another area. Transfer students must complete at least one-half of the major at Chadron State College. An **unduplicated** course from upper division courses (excluding MATH 335) in mathematics will be taken to satisfy the Essential Studies mathematics requirement.

MATH 151 Calculus I..... 5	MATH 337 Linear Algebra 3
MATH 237 History and Foundations of Math..... 3	MATH 410 Mathematics Seminar..... 1
MATH 252 Calculus II..... 5	MATH 429 Intro. to Modern Algebra 3
MATH 330 Differential Equations 3	MATH 434 Introductory Analysis..... 3
MATH 331 Probability and Statistics 3	*Electives 4
MATH 336 Calculus III..... 3	Total 36

*Electives will be selected from upper division courses in mathematics.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN MATHEMATICS (6-12):

A student must complete the following program in addition to the Essential Studies, graduation literacy and Professional Education requirements. Transfer students must complete one-half of the program at Chadron State College. MATH 239 will be taken to satisfy the Essential Studies Mathematics requirements.

MATH 151 Calculus I..... 5	MATH 336 Calculus III..... 3
MATH 237 History and Foundations of Math..... 3	MATH 337 Linear Algebra 3
MATH 252 Calculus II..... 5	MATH 401 Adv. Math Education Perspectives 3
*MATH 330 Differential Equations 3	MATH 410 Mathematics Seminar..... 1
MATH 331 Probability and Statistics 3	MATH 429 Intro. to Modern Algebra 3
MATH 334 College Geometry 3	MATH 434 Introductory Analysis..... 3
	Total 38

*MATH 330 will serve as the course for the mathematical modeling requirement of this endorsement.

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN MATHEMATICS (GRADES 4-9):

A student must complete the following program in addition to the Essential Studies, graduation literacy, Professional Education Field Endorsement in Middle Grades requirements, and one other Content Area of Specialization for Middle Grades.

MATH 135 Pre-Calculus Mathematics..... 3	MATH 235 Math for the Elem. Teacher I 3
MATH 138 Applied Calculus..... 3	MATH 237 History & Foundations of Mathematics .. 3
MATH 232 Applied Statistics	MATH 238 Math for the Elem. Teacher II..... 3
OR	Total 18
MATH 331 Probability and Statistics..... 3	

MINORS in Mathematics

Applied Statistics: A student must complete the following program in addition to a major in another area and the Essential Studies requirements.

MATH 331	Probability & Statistics	3	MATH 433	Statistical Methods and Data Analysis....	3	
MATH 337	Linear Algebra	3	MATH 435	Sampling Techniques	3	
MATH 338	Operations Research.....	3	MATH 439	Theory of Statistics	3	
					Total	18

Mathematics: A student must complete the following program in addition to a major in another area and the Essential Studies requirements:

MATH 151	Calculus I.....	5	OR				
			EITHER	MATH 252	Calculus II.....	5-6	
MATH 237	History and Foundations of Mathematics		AND	MATH 331	Probability and Statistics	3	
				Upper Division Math Electives	7		
MATH 239	Discrete Mathematics					Total	20-21

AREA OF CONCENTRATION – Elementary Education

Mathematics Education: A student must complete 9 credit hours from the following courses in addition to the Essential Studies and Professional Education, Elementary Education requirements.

MATH 237	History and Foundations of Math.....	3
MATH 239	Discrete Mathematics.....	3
MATH 334	College Geometry	3
MATH 401	Advanced Mathematics Ed Perspectives...	3

MILITARY SCIENCE LEADERSHIP – ROTC PROGRAM

General Information

The Chadron State College Army Reserve Officers Training Corps (ROTC) War Eagle Company was established in 2005 and is affiliated with the Mount Rushmore Battalion, located on the South Dakota School of Mines and Technology campus. The CSC ROTC program, administered by commissioned and noncommissioned officers of the United States Army, is open to both men and women. Courses are offered on the CSC campus, along with field exercises and social events at Camp Rapid in Rapid City, South Dakota. Military Science Leadership courses (MSL) complement any course of study providing leadership training unavailable anywhere else on campus. Participation in the ROTC Basic Course incurs **no military obligation**. Students completing both the Basic Course and Advanced Course may be commissioned as second lieutenants in the U.S. Army or the Nebraska National Guard.

The ROTC program is designed:

- to develop leadership and managerial potential and a basic understanding of associated professional knowledge
- to develop a strong sense of personal integrity, honor, and individual responsibility
- to provide an understanding of the fundamental concepts and principles of military art and science
- to develop an appreciation of the requirements for national security.

Attainment of these outcomes will prepare students for commissioning and will establish a sound basis for future professional development and effective performance in the Army or any chosen career field.

In the traditional four-year program, the student enrolls in eight consecutive semesters of MSL courses, two (2) credit hours each semester for the first two (2) years, and four (4) credit hours for the last two (2) years. Leadership laboratories are offered concurrently with each of the classroom courses.

Non-traditional two-year programs include eligible veterans with prior military service, current members of the US Army Reserve or Army National Guard, and students who have had high school Junior ROTC or Civilian Air Patrol experience. A two year program is available for any student having four academic semesters remaining or enrollment into a Masters’ degree program after attending a summer ROTC Leadership Training Course at Fort Knox, Kentucky. Participation at the basic course does not carry any commitment to participate in ROTC but it does satisfy the Pre-requisites necessary to enter the final four semesters of ROTC.

Contact Information – for more information about the ROTC program contract:

ROTC
 Chadron State College
 Crites Hall
 308-432-6030

Curriculum

ROTC provides both leadership training and experience demanded by both Corporate America and the U.S. Army. ROTC consists of Basic and Advanced courses of instructions. The **Basic Course** consists of the first four semesters of MSL, including MSL 101, 102, 201, 202 and associated labs. It is designed to provide all college students with leadership and management skills demanded in today’s workplace. Participation in the Basic Course requires no obligation or commitment to continue in ROTC or serve in the Armed Forces.

The **Advanced Course** consists of the last four semesters of the ROTC program. The Advanced Course is offered to students possessing the potential to become Army officers and who desire to serve as commissioned officers in the Active Army, U.S. Army Reserve, or the Army National Guard. The objective of the Advanced Course is to select, train, and prepare students for military service.

Basic Courses

MSL 101	Leadership and Personal Development	2	MSL 201L	Innovative Team Leadership Lab.....	1
MSL 101L	Leadership & Personal Dev Lab	1	MSL 202	Foundations of Tactical Leadership	2
MSL 102	Introduction to Tactical Leadership	1	MSL202L	Foundations of Tactical Leadership Lab	1
MSL 102L	Introduction to Tactical Leadership Lab	1		Total	11
MSL 201	Innovative Team Leadership	2			

Advanced Courses

HIST 460	American Military History	3	MSL 394	Advanced Military Science Internship	4
MSL 301	Adaptive Team Leadership	3	MSL 401	Developing Adaptive Leaders.....	2
MSL 301L	Adaptive Team Leadership Lab	2	MSL 401L	Developing Adaptive Leaders Lab.....	1
MSL 302	Leadership in Changing Environments	3	MSL 402	Leadership in a Complex World	2
MSL 302L	Leadership in Changing Env. Lab.....	2	MSL 402L	Leadership in a Complex World Lab	1
				Total	23

Students must additionally complete a course in the following areas to satisfy commissioning requirements: 1) American Military History, 2) Communications, and 3) Computer Literacy. Consult the Professor of Military Science Leadership for more information.

Ranger Challenge

Ranger Challenge is available as an option to all cadets. These classes provide practical experience in small unit leadership development, team building, and officers’ technical/tactical skills, including rifle marksmanship, orienteering, mountaineering, weapons proficiency, physical training, and small unit leadership skills. Each course listed below may be taken twice for a maximum of four (4) credit hours each. This class culminates with a varsity level competition against other ROTC programs in the region.

MSL 290	Basic Small Unit Leadership.....	2
MSL 480	Advanced Small Unit Leadership.....	2

Electives

ROTC Electives are provided to cadets on a case by case basis to further advance their military training and prepare them to lead troops after graduation. These classes are also used to facilitate non-traditional students who desire to participate in the ROTC program. Consult the Professor of Military Science Leadership for course information and credit available.

MSL 403	Third Year Advanced Military Science	MSL 412	Developing Subordinate Leaders II
MSL 404	Third Year Advanced Military Science	MSL 491	Advanced Internship in Leadership
MSL 411	Developing Subordinate Leaders I	MSL 494	Leader Development & Assessment

Minor in Military Science

MSL 109	Military Fitness	3	MSL 401	ROTC Developing Adaptive Leadership	2
MSL 301	ROTC Adaptive Team Leadership	2	MSL 401L	ROTC Dev Adaptive Leadership	2
MSL 301L	ROTC Adaptive Team Leaders Lab	2	MSL 402	Leadership in a Complex World	2
MSL 302	LDRSHIP in Changing Environment	2	MSL 402L	Leadership in Complex World	1
MSL 302L	LDRSHIP in Changing Environs Lab.....	2	HIST 460	American Military History	3
					Total 21

Financial Information

Financial support in the form of a tax free stipend is paid to contracted cadets. The amount of this stipend is \$350 per month for freshmen, \$400 per month for sophomores, \$450 per month for juniors and \$500 per month for seniors. The stipend is paid for up to ten months per calendar year to contracted cadets who are enrolled in ROTC. Students attending the four-week ROTC Leadership Training Course or the 32 day Leaders Development and Assessment Course (LDAC) receive approximately \$800 plus room, board, and travel expenses.

Additional financial aid is available to eligible freshman, sophomore, and junior students in the form of four-year, three-year, and two-year Army ROTC scholarships. Required texts and class materials will be provided at no cost to the student. Military equipment will be issued for use to students and will have to be returned at the end of the course. MSL credit may be applied as free electives toward graduation.

Extracurricular Activities

Military-related extracurricular activities and organizations available to the ROTC student include Pershing Rifles, Scabbard and Blade, participation in the Bataan Memorial Death March, and the Ranger Challenge team. Students may also take part in voluntary hands-on training to include physical fitness, self-defense, survival, weapons, orienteering, rappelling, mountaineering, and first aid. These exercises are designed to provide the student with an opportunity to practice and improve skills learned in the classroom.

MUSEUM STUDIES

The mission of the Museum Studies program is to provide an introduction to the various aspects and a fundamental understanding of the museum profession. Through the study of museums, their practices, history, and philosophies, students are provided with a strong foundation for beginning their museum career exploration.

This course of study is designed to give the student a broad overview of the various aspects and issues that one may face in the workplace. Though classroom study, practical application, and individualized attention, the Museum Studies program is designed to allow students to personalize their course of study to their career outcomes.

Student Learning Outcomes

Upon completion of a minor in Museum Studies, students will be able to:

- Articulate principles for collections management and care.
- Demonstrate an understanding of the historical and philosophical context for the museum in modern America.
- Demonstrate a fundamental knowledge of museum administration, education, and exhibit design principles.

MINOR in Museum Studies

A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline.

MS 231	Introduction to Museums	3	MS 333	Museum Administration.....	3
MS 235	Introduction to Archival Collections	3	MS 340	Museum Education.....	3
MS 330	Management and Care of Collections ..	3	MS 390	Internship in Museum Studies.....	3
MS 331	Exhibit Design.....	3			Total 21

MUSIC

Mission

It is the mission of the Department of Music at Chadron State College to provide students a rich environment in which to pursue their musical interests and career goals. With a broad-based curriculum, the undergraduate programs offered are designed to prepare students for a variety of careers in both the public and the private sectors. The CSC Department of Music strives to set and maintain high standards of excellence in providing musical leadership to the campus and to the service region as the premier four-year institution of higher education in the Nebraska Panhandle.

Student Learning Outcomes

- Students will demonstrate acquired musical skills by performing alone and in ensembles.
- Students will notate, analyze, and describe music using a common vocabulary.
- Students will develop an appreciation for and knowledge of the history of music as it relates to form, style, performance practice, and the other arts.
- Students will be able to formulate strategies and demonstrate skills directly related to their degree program.

Admission to the music program

Incoming students are admitted to the music programs on a probationary basis. Admission is based on the following criteria:

1. Students must successfully pass Admission to Candidacy (MUS 199) in order to continue in any music program. Admission to Candidacy is comprised of an evaluation of the student's progress in their major performance area as well as their piano, theory, and aural skills. A satisfactory evaluation will qualify a student to proceed to 200-level applied lessons.
2. Students must also successfully perform a Sophomore Qualifying Exam (MUS 299) for entrance to 300-level applied lessons. A student must demonstrate, through performance of technical material and repertoire, a degree of facility and musicality deemed sufficient to undertake advanced applied study.

Proficiencies and Requirements

1. Music majors and minors are required to participate in the major performing ensemble directly related to their major performing instrument/voice throughout their entire program, excluding the professional year for education majors and during internship (music industry option).
2. Attendance at department-approved musical programs is required of all full-time music majors and minors enrolled in applied music lessons. Students enrolled in applied music major or minor lessons must also be co-enrolled in MUS 101 (Student Recital).
3. New incoming students must take the theory and piano placement exams during the first week of classes.
4. Students in all degree programs (B.S.E. and B.A.) are required to pass a Piano Proficiency Examination before attempting the Sophomore Qualifying Exam (MUS 299) on their major instrument.
5. The Department of Music requires that music majors and minors receive a grade of "C" or higher in all music coursework in order to receive departmental approval for graduation.
6. Transfer students from a two (2) year institution must complete 50% of the required courses for the music major and music minor from Chadron State College.
7. In accordance with standards set by the National Association of Schools of Music (NASM), all majors will develop an awareness of non-Western music. The following courses will satisfy the requirement: MUS 269 – Drumming, MUS 328 – World Music and Globalization, or MUS 330 – African-American Popular Music 1619-1980.

The Degree of Bachelor of Arts with a SUBJECT MAJOR IN MUSIC STUDIES: A student must complete the following program in addition to the Essential Studies requirements and a major or minor in another discipline. Recommended majors or minors include Art, Business, Communication Arts, English, History, Library Information Management, Psychology, and Theater. A liberal arts degree, such as this, prepares a student for a variety of careers in industry and service as well as for continuing on to graduate school. No grade lower than "C" in any required music course will apply toward graduation.

MUS 101	Student Recital	0
MUS 102/302	Wind Symphony	
OR		
MUS 103/303	Concert Choir	6
MUS 115	Private Instruction	2
MUS 131 & 131L	Theory I & Lab	4
MUS 132 & 132L	Theory II & Lab	4
MUS 199	Admission to Candidacy	0
MUS 215	Private Music Instruction	2
MUS 220	Functional Piano Skills	

OR		
MUS 317	Seminar in Accompanying Techniques .	2
MUS 240	Principles of Conducting	2
MUS 299	Sophomore Qualifying Examination.....	0
MUS 327	Survey of Music History	3
	Elective Chamber Ensemble.....	2
	Electives in Music History.....	2
	Upper Division Electives	6
		Total 35

Elective Chamber Ensembles may be selected from among the following (courses may be taken for repeated credit):

MUS 104/304	Vocal Jazz Ensemble	1	MUS 109/309	Percussion Ensemble	1
MUS 105/305	Jazz Band	1	MUS 110/310	Keyboard Ensemble.....	1
MUS 106/306	Jazz and Pop Combo.....	1	MUS 111/311	Guitar Ensemble	1
MUS 107/307	Woodwind Ensemble	1	MUS 124/324	Women's Vocal Ensemble	1
MUS 108/308	Brass Ensemble	1	MUS 125/325	Men's Vocal Ensemble.....	1

Electives in Music History may be selected from among the following:

MUS 312	Choral History and Literature	2	MUS 428	Music of the 20 th Century	3
MUS 423	Keyboard History and Literature.....	2	MUS 432	Topics in Music History and Lit	2-3
MUS 426	Music History I	3	MUS 435	History of Jazz	3
MUS 427	Music History II	3			

*Any 300-400 level music course

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN MUSIC: A student must complete the core requirements, an option, and Essential Studies requirements. No grade lower than "C" in any required music course will apply toward graduation. Incoming students should plan to take the theory and piano placement exams during the first week of classes.

Core Requirements

MUS 101	Student Recital	0	MUS 215	Private Music Instruction	2
MUS 102/302	Wind Symphony		MUS 231 & 231L	Theory III & Lab	4
OR					
MUS 103/303	Concert Choir	5-6*	MUS 240	Principles of Conducting.....	2
MUS 115	Private Instruction	2	MUS 299	Sophomore Qualifying Examination....	0
MUS 131 & 131L	Theory I & Lab	4	MUS 315	Private Instruction	2
MUS 132 & 132L	Theory II & Lab.....	4	MUS 327	Survey of Music History	3
MUS 199	Admission to Candidacy	0	MUS 399	Solo Half-Recital.....	0
			Elective Chamber Ensembles**	1-2	
					Total 29-31

* Six-credit requirement for the Applied Music option; Five-credit requirement for the Music Industry option

** Two-credit requirement for the Applied Music option; One-credit requirement for the Music Industry option

Elective Chamber Ensembles may be selected from among the following (courses may be taken for repeated credit):

MUS 104/304	Vocal Jazz Ensemble	1	MUS 109/309	Percussion Ensemble	1
MUS 105/305	Jazz Band	1	MUS 110/310	Keyboard Ensemble.....	1
MUS 106/306	Jazz and Pop Combo.....	1	MUS 111/311	Guitar Ensemble	1
MUS 107/307	Woodwind Ensemble	1	MUS 124/324	Women's Vocal Ensemble	1
MUS 108/308	Brass Ensemble.....	1	MUS 125/325	Men's Vocal Ensemble.....	1

Applied Music Option

This program prepares a student for a career in the private sector as a private music instructor and performer as well as for continuing on to graduate school.

Core Requirement.....	31	MUS 319b	Independent Music Studio Teaching*..	2
MUS 220	Functional Piano Skills	MUS 415	Private Music Instruction	2
OR				
MUS 317	Seminar in Accompanying Techniques	MUS 499	Solo Full Recital.....	0
MUS 232 & 232L	Theory IV and Lab	Electives in Music Pedagogy.....		2
MUS 238 & 239	Diction I and II *.....	Electives in Music History.....		2
OR				
		Upper Division Electives***		<u>3</u>
		Total		48

Electives in Music Pedagogy (students should complete the courses in their primary instrument):

MUS 111/311	Guitar Ensemble.....	2	MUS 251	Music Education Practicum, Field**	2
MUS 250 & 252	Music Education Practicum, Vocal.....	2	MUS 319a	Piano Pedagogy.....	2

Electives in Music History may be selected from among the following:

MUS 312	Choral History and Literature	2	MUS 428	Music of the 20 th Century.....	3
MUS 423	Keyboard History and Literature.....	2	MUS 432	Topics in Music History and Lit	2-3
MUS 426	Music History I	3	MUS 435	History of Jazz	3
MUS 427	Music History II	3			

*Vocal Majors must enroll in Diction I and II.

**This is a one credit hour repeatable course. Students should enroll for the semesters that include their major instrument.

***Any 300-400 level music course

Music Industry Option

This program is a broad overview of the music industry. Students may pursue careers in the entertainment and music products industry including publishing, artist relations, record industry, marketing, and sales.

Core Requirement.....	29	MUS 220	Functional Piano Skills	2	
BIS 231	Principles of Information Systems	3	MUS 335	Recording Techniques.....	2
MKTG 230	Principles of Marketing.....	3	MUS 336	Jazz Improvisation I	2**
MKTG 331	Sales Techniques.....	3	MUS 390	Internship	1***
MKTG 335	Entrepreneurial Business Start-Up		MUS 413	Jazz and Pop Arranging.....	2**
OR					
MKTG 336	Entre-Promotions and Advertising		MUS 419	Music Business	3
OR					
MKTG 338	Buyer Behavior	3	MUS 420	Music Products Seminar.....	3
			Electives in Music History.....	<u>2</u>	
		Total		58	

Electives in Music History may be selected from among the following:

MUS 312	Choral History and Literature	2	MUS 428	Music of the 20 th Century	3
MUS 423	Keyboard History and Literature.....	2	MUS 432	Topics in Music History and Lit	2-3
MUS 426	Music History I	3	MUS 435	History of Jazz	3
MUS 427	Music History II	3			

The following courses are strongly recommended as supportive electives for the Music Industry Option:

ART 229	Intro to Graphic Design.....	3	MUS 330	African-American Popular Music	3
BIS 230	Web Page Development	3	MUS 337	Jazz Improvisation II.....	2
BIS 332	Decision Support for Managers.....	3	MUS 414	Arranging II.....	1
BIS 337	E-Commerce	3			

**MUS 315x Private Improvisation may be substituted for MUS 336. MUS 315z, Private Songwriting Arranging, and MIDI I, may be substituted for MUS 413.

***A student may elect to enroll in 1-12 credit of MUS 390, or a substitution suggested by the advisor and approved by the faculty based on the student's career goals.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN MUSIC (K-12): This endorsement qualifies a person to teach instrumental and vocal music in grades K-12. A student must complete the following program in addition to the Essential Studies and Professional Education requirements, including successful completion of MUS 431a, Elementary Music Methods, MUS 431c, Secondary Vocal Methods, MUS 431d, Secondary Instrumental Methods, and EDUC 435c, Learning Methods. Incoming students should plan to take the theory and piano placement exams during the first week of classes.

MUS 101 Student Recital	0	MUS 232 & 232L Theory IV & Lab.....	4
MUS 102/302 Wind Symphony*		MUS 238 Diction I.....	1
OR			
MUS 103/303 Concert Choir*.....	6 [±]	MUS 239 Diction II.....	1
MUS 114 Introduction to Music Education.....	2	MUS 240 Principles of Conducting	2
MUS 115 Private Music Instruction	2	MUS 251 Music Education Practicum, Field*** ...	2-4
MUS 126 Showband**	0	MUS 299 Sophomore Qualifying Exam	0
MUS 131 & 131L Theory I & Lab.....	4	MUS 315 Private Instruction.....	3
MUS 132 & 132L Theory II & Lab.....	4	MUS 321 Choral Conducting.....	2
MUS 199 Admission to Candidacy	0	MUS 322 Instrumental Conducting.....	2
MUS 215 Private Music Instruction	2	MUS 327 Survey of Music History.....	3
MUS 216 Guitar Class.....	1	MUS 351 Music Education Practicum, Field***	2
MUS 220 Functional Piano Skills		MUS 352 Music Education Practicum, Field.....	1
OR			
MUS 317 Seminar in Accompanying Techniques.....	2	MUS 356 Technology for the Music Classroom.....	1
MUS 221 Keyboard Skills for the Class Teacher.....	2	MUS 399 Solo Half-Recital	0
MUS 231 & 231L Theory III & Lab	4	Elective Chamber Ensembles.....	2
		Electives in Music History	2
		Total	57-59

Elective Chamber Ensembles may be selected from among the following (courses may be taken for repeated credit):

MUS 104/304 Vocal Jazz Ensemble	1	MUS 109/309 Percussion Ensemble	1
MUS 105/305 Jazz Band	1	MUS 110/310 Keyboard Ensemble.....	1
MUS 106/306 Jazz and Pop Combo	1	MUS 111/311 Guitar Ensemble	1
MUS 107/307 Woodwind Ensemble	1	MUS 124/324 Women's Vocal Ensemble	1
MUS 108/308 Brass Ensemble.....	1	MUS 125/325 Men's Vocal Ensemble.....	1

Electives in Music History may be selected from among the following:

MUS 312 Choral History and Literature	2	MUS 428 Music of the 20 th Century	3
MUS 423 Keyboard History and Literature.....	2	MUS 432 Topics in Music History and Lit.....	2-3
MUS 426 Music History I	3	MUS 435 History of Jazz	3
MUS 427 Music History II.....	3		

*Students must complete at least one credit hour of both band and choir to meet state accreditation requirements.

**One semester of participation in the fall is required.

***This is a one credit hour repeatable course. Students may move to the next course in the sequence based on the completion of student learning outcomes. Transfer students may be asked to complete performance assessment in order to substitute coursework from other institutions. . The Music Education Practicum curriculum includes units in jazz education.

The following classes are recommended as supportive classes: MUS 315r, 334, 413, 421

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN VOCAL MUSIC (K-8 and 7-12): This endorsement qualifies a person to teach vocal music in grades K-12. A student must complete the following program in addition to the Essential Studies and Professional Education requirements, including successful completion of MUS 431a, Elementary Music Methods, MUS 431c, Secondary Vocal Methods, and EDUC 435c, Learning Methods. Incoming students should plan to take the theory and piano placement exams and complete a voice assessment with a member of the voice faculty during the first week of classes.

MUS 101	Student Recital	0	MUS 239	Diction II.....	1
MUS 103/303	Concert Choir.....	6	MUS 240	Principles of Conducting	2
MUS 114	Introduction to Music Education.....	2	MUS 250	Music Education Practicum, Vocal.....	1
MUS 115s	Private Music Instruction*	2	MUS 252	Music Education Practicum, Vocal.....	1
MUS 115k	Private Music Instruction*	2	MUS 299	Sophomore Qualifying Exam	0
MUS 131 & 131L	Theory I & Lab	4	MUS 315k/s	Private Instruction*.....	3
MUS 132 & 132L	Theory II & Lab.....	4	MUS 317	Seminar in Accompanying Techniques	2
MUS 199	Admission to Candidacy	0	MUS 321	Choral Conducting.....	2
MUS 215k/s	Private Music Instruction*	2	MUS 327	Survey of Music History.....	3
MUS 216	Guitar Class.....	1	MUS 334	Developing Music Literacy in Children	2
MUS 220	Functional Piano Skills**.....	2	MUS 356	Technology for the Music Classroom.....	1
MUS 221	Keyboard Skills for the Class Teacher.....	2	MUS 399	Solo Half-Recital	0
MUS 231 & 231L	Theory III & Lab	4		Elective Chamber Ensembles.....	2
MUS 232 & 232L	Theory IV & Lab	4		Electives in Music History	2
MUS 238	Diction I	1			Total 58

Elective Chamber Ensembles may be selected from among the following (courses may be taken for repeated credit):

MUS 104/304	Vocal Jazz Ensemble	1	MUS 124/324	Women's Vocal Ensemble	1
MUS 110/310	Keyboard Ensemble	1	MUS 125/325	Men's Vocal Ensemble.....	1

Electives in Music History may be selected from among the following:

MUS 312	Choral History and Literature	2	MUS 428	Music of the 20 th Century	3
MUS 423	Keyboard History and Literature.....	2	MUS 432	Topics in Music History and Lit.....	2-3
MUS 426	Music History I	3	MUS 435	History of Jazz	3
MUS 427	Music History II	3			

*The major instrument for students completing this endorsement must be either voice or piano, and a minimum of two semesters of study in each area is required. Vocal majors will typically complete MUS 115k after completing MUS 220. Piano majors should consult the voice faculty regarding completion of MUS 115s.

**Piano majors may substitute two credits of MUS 215k or 315k for MUS 220 with permission from the instructor.

MINOR in Music

Music: A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline. Incoming students should plan to take the theory and piano placement exams during the first week of classes.

MUS 101	Student Recital	0	MUS 215	Private Instruction	1
MUS 115	Private Instruction	2	MUS 327	Survey of Music History	3
MUS 116	Piano Class Foundations I*	1		Elective Ensembles.....	2
MUS 117	Piano Class Foundations II*	1		Upper Division Electives**	7
MUS 131 & 131L	Theory I & Lab	4			Total 21
MUS 199	Admission to Candidacy	0			

Elective Ensembles may be selected from among the following (courses may be taken for repeated credit):

MUS 102/302	Wind Symphony	1	MUS 109/309	Percussion Ensemble	1
MUS 103/303	Concert Choir.....	1	MUS 110/310	Keyboard Ensemble.....	1
MUS 104/304	Vocal Jazz Ensemble	1	MUS 111/311	Guitar Ensemble	1
MUS 105/305	Jazz Band	1	MUS 124/324	Women's Vocal Ensemble	1
MUS 106/306	Jazz and Pop Combo.....	1	MUS 125/325	Men's Vocal Ensemble.....	1
MUS 107/307	Woodwind Ensemble	1	MUS 126/326	Showband	1
MUS 108/308	Brass Ensemble.....	1			

*Students who test out of MUS 116 or 117 may substitute MUS 118, 220, 221, and/or 317.

Note: Entrance to many of the above ensembles is by audition.

AREAS OF CONCENTRATION – Elementary Education

Music: A student must complete the following courses in addition to the Essential Studies and Professional Education, Elementary Education requirements.

Two credit hours from the following:

MUS 016 Community Chorus 1

OR

MUS 103/303 Concert Choir 1

OR

MUS 124/324 Women’s Vocal Ensemble 1

OR

MUS 125/325 Men’s Vocal Ensemble 1

Plus the following 7 credit hours:

EDUC 114 Introduction to Music Education..... 2

MUS 116 Piano Class Foundations I..... 1

MUS 216 Guitar Class 1

MUS 230 or 115S Voice Class or Lessons..... 1

MUS 334 Developing Music Literacy in Children.. 2

Total 9

PHYSICAL SCIENCES

Mission of the Physical Sciences Program

The physical sciences program at Chadron State College prepares students for careers as problem solvers, investigating the physical properties and processes of the natural world. By observing, building hypotheses and communicating results, students are engaged in the methods and culture of science. As part of the global scientific community, they learn firsthand the contributions of science to the values of leadership, lifelong learning, and maintaining a sustainable society.

Student Learning Outcomes

- Students will have a strong knowledge base and the skills to be lifelong learners.
 - Students will have a strong foundational knowledge to be able to critically evaluate information.
 - Students will be able to recognize the limits of their knowledge and have the skills to seek and evaluate additional information.
 - Students will be able to apply logical reasoning and organizational skills to integrate new information into their functional knowledge base.
- Students will be prepared for their profession in the science discipline.
 - Students will understand the interrelatedness of science and society and exhibit the professional skills appropriate for their chosen career path.
 - Students will be able to communicate scientific knowledge to a diverse audience using appropriate technology and media tools.

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN PHYSICAL SCIENCES: A student must complete the core requirements, an option, and the Essential Studies requirements. Students seeking to enter graduate school are advised to take advanced coursework in the discipline, plus additional mathematics. Students should consult their advisor.

Some courses require successful completion of Pre-requisite courses prior to enrollment, as articulated in the catalog course descriptions. Successful completion means earning a “C” or better in the Pre-requisite course(s).

Core Requirements

CHEM 131 & 131L College Chemistry I & Lab.....4

CHEM 132 & 132L College Chemistry II & Lab ...4

CHEM, GEOS, PHYS 310 Capstone I:
Research Seminar 1

CHEM, GEOS, PHYS 401 Capstone II: Senior
Research..... 1

CHEM, GEOS, PHYS 410 Capstone III:
Senior Research Thesis 1

GEOS 231& 23L Physical Geology & Lab4

GEOS 322 Introduction to GIS3

PHYS 241& 241L University Physics I & Lab...5

PHYS 242 & 242L University Physics II & Lab.5

Math elective chosen from 138, 151, or 2323-5

Total 31-33

Chemistry Option

Students pursuing this option must consult with their chemistry advisor in selecting the appropriate mathematics classes from those listed in the Core Requirements.

Core requirements.....	31-33	CHEM 341 & 341L Quantitative Analysis & Lab	4
CHEM 333 & 333L Organic Chemistry I & Lab	4	*Upper division Chemistry electives.....	8
CHEM 334 & 334L Organic Chemistry II & Lab	4		Total 55-57
CHEM 335 & 335L Biochemistry I & Lab	4		

*Electives: Students should consult with an academic advisor in Chemistry in choosing elective courses specializing in physical chemistry, environmental chemistry, or biological chemistry. Must include at least two courses and associated labs from the following list: CHEM 342/342L, 412, 430, 433/433L, 444/444L.

Geoscience Option

Students pursuing this option must complete MATH 138 or 151 as their Essential Studies Math requirement and MATH 232 as their core math elective.

Core requirements.....	31	GEOS 246 Geology Field Camp I.....	2
GEOS 234 & 234L Earth Systems History & Lab	4	GEOS 346 Geology Field Camp II.....	2
GEOS 338 Rocks & Minerals	3	GEOS 446 Geology Field Camp III	2
GEOS 431 Geology of Water Resources.....	3	Upper division GEOS elective.....	3
GEOS 432 Structural Geology	3		Total 57
GEOS 439 & 439L Sedimentology & Strat & Lab ...	4		

Physics Option

Students pursuing this option must consult with their physics advisor in selecting the appropriate mathematics classes from those listed in the Core Requirements.

Core requirements.....	31	PHYS 464 Quantum Mechanics I.....	3
MATH 252 Calculus II.....	5	PHYS 370a Modern Physics.....	3
PHYS 370d Scientific Computer Applications	3	PHYS 471h Advanced Astronomy.....	2
PHYS 434 Mechanics	3	PHYS 471k Advanced Physics Lab	1
PHYS 444 Thermodynamics.....	3		Total 57
PHYS 454 Electricity & Magnetism.....	3		

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN CHEMISTRY (7-12):

Students must complete the following program in addition to the Professional Education and Essential Studies requirements. Students pursuing this endorsement must complete MATH 138 as the Essential Studies Mathematics requirement and PHYS 435 to fulfill the Essential Studies student learning outcome number nine. A final grade of “C” or better must be attained in all endorsement area courses.

BIOL 136 & 136L Biological Science & Lab	3	GEOS 231 & 231L Physical Geology & Lab	4
CHEM 131 & 131L College Chemistry I & Lab.....	4	PHYS 151 & 151L College Physics I & Lab	
CHEM 132 & 132L College Chemistry II & Lab	4	OR	
CHEM 231 & 231L Survey of Organic Chem & Lab ..	4	PHYS 241 & 241L University Physics I & Lab	5
CHEM 310 Capstone I: Research Seminar.....	1	Biology Electives.....	1
CHEM 320 Sup Study in Lab/Field Methods.....	1	Upper division Chemistry electives.....	7
CHEM 335 & 335L Biochemistry I & Lab	4		Total 42
CHEM 341 & 341L Quantitative Analysis & Lab	4		

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN EARTH AND SPACE SCIENCE (7-12):

Students must complete the following program in addition to the Professional Education and Essential Studies requirements. Students pursuing this endorsement must complete MATH 138 as the Essential Studies Mathematics requirement and PHYS 435 to fulfill the Essential Studies student learning outcome number nine. A final grade of “C” or better must be attained in all endorsement area courses.

BIOL 136 & 136L Biological Science & Lab	3
CHEM 140 & 140L Survey of Chemistry & Lab.....	4
GEOS 137 Environmental Geology	3
GEOS 231 & 231L Physical Geology & Lab.....	4
GEOS 234 & 234L Earth System History & Lab.....	4
GEOS 310 Capstone I: Research Seminar.....	1
GEOS 320 Sup Study in Lab & Field Methods.....	1
GEOS 338 Rocks & Minerals	3
GEOS 431 Geology of Water Resources	

GEOG 434 Introduction to Oceanography.....	3
PHYS 151 & 151L College Physics I & Lab	

OR

PHYS 241 & 241L University Physics I & Lab.....	5
PHYS 333 & 333L Astronomy & Lab	3
PHYS 334 Meteorology	3
Biology Electives.....	3
Geoscience Electives	3

Total 43

OR

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN SCIENCE (7-12): Students must complete the following program in addition to the Professional Education and Essential Studies requirements. Students pursuing this endorsement must complete MATH 138 as the Essential Studies Mathematics requirement and PHYS 435 to fulfill the Essential Studies student learning outcome number nine. Spanish language classes are highly encouraged.

Students choosing the Science Field Teaching Endorsement opt for a concentration in one of four areas: Biology, Chemistry, Earth and Space Science or Physics (below). A final grade of “C” or better must be attained in all endorsement area courses.

Core Requirements

BIOL 138 & 138L General Botany & Lab	3
BIOL 139 & 139L General Zoology & Lab	3
BIOL 224 Cell Biology	3
CHEM 131 & 131L College Chem I and Lab	4
CHEM 132 & 132L College Chem II & Lab	4
GEOS 231 & 231L Physical Geology & Lab.....	4
GEOS 234 & 234L Earth System History & Lab.....	4
PHYS 151 & 151L College Physics I & Lab	

OR

PHYS 241 & 241L University Physics I & Lab.....	5
PHYS 152 & 152L College Physics II & Lab	

OR

PHYS 242 & 242L University Physics II & Lab.....	5
BIOL 311/CHEM/GEOS/PHYS 310 Capstone I	1
BIOL/CHEM/GEOS/PHYS 320 Sup Study Lab Meth. <u>1</u>	

Total 37

Select one concentration from below:

BIOLOGY

Core requirements.....	37
BIOL 231 Anatomy & Physiology.....	3
BIOL 314 Biotechnology	3
BIOL 332 Genetics.....	3

BIOL 336 & 336L General Ecology & Lab	3
BIOL 341 & 341L Microbiology & Lab	3

Total 52

CHEMISTRY

Core requirements.....	37
CHEM 231 & 231L Survey of Org Chem & Lab.....	4
CHEM 335 & 335L Biochemistry I & Lab	4

CHEM 341 & 341L Quantitative Analysis & Lab	4
CHEM 433 Environmental Chemistry	3

Total 52

EARTH AND SPACE SCIENCE

Core requirements.....	37
PHYS 333 Astronomy.....	2
PHYS 333L Astronomy Lab.....	1
PHYS 334 Meteorology.....	3

GEOS 338 Rocks & Minerals	3
GEOS 431 Geology of Water Resources.....	3
GEOS 439 & 439L Stratig and Sed & Lab.....	4

Total 53

PHYSICS

Core requirements.....	37
PHYS 333 & 333L Astronomy & Lab	3
PHYS 334 Meteorology	3

PHYS 370a & 370c Modern Physics & Lab	4
Upper division PHYS electives	3

Total 50

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN PHYSICS (7-12):

Students must complete the following program in addition to the Professional Education and Essential Studies requirements. Students pursuing this endorsement must take MATH 151 as their Essential Studies mathematics requirement and PHYS 435 as to fulfill the Essential Studies requirement for student learning outcome number nine. A final grade of “C” or better must be attained in all endorsement area courses.

BIOL 136 & 136L Biological Science & Lab	3	PHYS 333 & 333L Astronomy & Lab	3
CHEM 140 & 140L Survey of Chemistry & Lab.....	4	PHYS 334 Meteorology	3
GEOS 231 & 231L Physical Geology & Lab.....	4	PHYS 370a Modern Physics.....	3
PHYS 151 & 151L College Physics I & Lab		PHYS 370c Modern Physics Lab.....	1
OR		PHYS 370d Scientific Computer Applications	3
PHYS 241 & 241L University Physics I & Lab.....	5	PHYS 471e Optics	1
PHYS 152 & 152L College Physics II & Lab		PHYS 471k Advanced Physics Lab	1
OR		Elective in Biology	<u>1</u>
PHYS 242 & 242L University Physics II & Lab.....	5	Total	38
PHYS 310 Capstone I: Research Seminar.....	1		

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN SCIENCES (GRADES 4-9):

A student must complete the following program in addition to the Essential Studies, Professional Education Middle Grades requirements, and one other Content Area of Specialization requirements. Students pursuing this endorsement must complete PHYS 435 to fulfill the Essential Studies requirement for student learning outcome number nine. A final grade of “C” or better must be attained in all endorsement area courses. The following hours must be unduplicated, i.e. different from Essential Studies hours taken:

BIOL 121 & 121L Human Biology & Lab.....	3	GEOS 234 & 234L Earth System History & Lab.....	4
BIOL 136 & 136L Biological Science & Lab	3	PHYS 330 Physical Science for Elem & Middle	
CHEM 140 & 140L Survey of Chemistry & Lab.....	4	School Teachers	3
GEOS 231 & 231L Physical Geology & Lab		Elective in Biol, Chem, Geoscience or Physics.....	<u>1</u>
OR		Total	18

MINORS in Physical Science

Chemistry: A student must complete the following program in addition to the Essential Studies requirements and a major in another area.

CHEM 140 & 140L Survey of Chemistry & Lab** ...	4	CHEM 342 & 342L Instrumental Analysis & Lab.....	4
CHEM 231 & 231L Survey of Organic Chem & Lab	4	Upper division chemistry elective*	<u>3-4</u>
CHEM 335 & 335L Biochemistry I & Lab	4	Total	19-20

*If the upper division elective has an accompanying laboratory, the student must complete both class and laboratory.

**For an Environmental emphasis, CHEM 131/131L, and 132/132L should be substituted for CHEM 140/140L, and CHEM 341/341L may be substituted for CHEM 342/342L.

Geoscience: A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline.

GEOS 231 & 231L Physical Geology & Lab.....	4	GEOS 432 Structural Geology	3
GEOS 234 & 234L Earth System History & Lab.....	4	GEOS 439 & 439L Sedimentology/Strat & Lab	<u>4</u>
GEOS 338 Rocks & Minerals	3	Total	21
GEOS 431 Geology of Water Resources.....	3		

Physics: A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline.

PHYS 151 & 151L College Physics I & Lab	PHYS 152 & 152L College Physics II & Lab
OR	OR
PHYS 241 & 241L University Physics I & Lab 5	PHYS 242 & 242L University Physics II & Lab..... 5
	Upper Division Electives in Physics..... <u>10</u>
	Total 20

Water Resources Management: A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline.

BIOL 337 Environmental Management 3	AGRI 245 & 245L Prin of Soil Science & Lab 4
BIOL 429 Aquatic Microbiology	GEOS 231 & 231L Physical Geology & Lab..... 4
OR	GEOS 322 Introduction to GIS 3
CHEM 433 & 433L Environment Chem & Lab..... 4	GEOS 431 Geology of Water Resources..... <u>3</u>
CHEM 342 & 342L Instrumental Analysis & Lab	Total 21
OR	

AREA OF CONCENTRATION

Science Education: A student must complete 9 credit hours from the following courses in addition to the Essential Studies and Professional Education, Elementary Education requirements. The following hours must be unduplicated, i.e. different from Essential Studies hours taken:

BIOL 121 & 121L Human Biology & Lab..... 3	GEOS 231 & 231L Physical Geology & Lab..... 4
BIOL 136 & 136L Biological Science & Lab 3	PHYS 330 Phy Sci for Elem & Middle Sch Teach ... 3
CHEM 140 & 140L Survey of Chemistry & Lab..... 4	

Academic Certificates in Physical Sciences

Water Resources Management: A student may be awarded a Certificate in Water Resources Management upon successful completion of Water Resources Management minor listed above.

PSYCHOLOGY

Mission

Undergraduate majors and minors in Psychology develop the knowledge and skills which will enable them to pursue graduate education in related disciplines and to succeed in careers utilizing knowledge and skills from scientific psychology.

Student Learning Outcomes

The undergraduate Psychology program at Chadron State College adopted student learning outcomes associated with five comprehensive learning goals developed by the American Psychological Association (APA)*. Students completing a major in Psychology will be tested in “performance indicators” embedded throughout the curricula as part of the assessment strategy adopted by the Undergraduate Psychology Program Committee.

Goal 1: Knowledge Base in Psychology

Students should demonstrate fundamental knowledge and comprehension of the major concepts, theoretical trends, and empirical findings to discuss how psychological principle apply to behavioral problems. Students completing foundation courses should demonstrate breadth of their knowledge and application of psychological ideas to simple problems; students completing a baccalaureate degree should show depth in their knowledge and application of psychological concepts and frameworks to problems of greater complexity.

- 1.1 Describe key concepts, principles, and overarching themes in psychology
- 1.2 Develop a working knowledge of psychology’s content domains
- 1.3 Describe applications of psychology

Goal 2: Scientific Inquiry and Critical Thinking

The skills in this domain involve the development of scientific reasoning and problem solving, including effective research methods. Students completing foundation-level courses should learn basic skills and concepts in interpreting behavior, studying research, and applying research design principles to drawing conclusions about psychological phenomena; students completing a baccalaureate degree should focus on theory use as well as designing and executing research plans.

- 2.1 Use scientific reasoning to interpret psychological phenomena
- 2.2 Demonstrate psychology information literacy
- 2.3 Engage in innovative and integrative thinking and problem solving
- 2.4 Interpret, design, and conduct basic psychological research
- 2.5 Incorporate sociocultural factors in scientific inquiry

Goal 3: Ethical and Social Responsibility in a Diverse World

The skills in this domain involve the development of ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity. Students completing foundation-level courses should become familiar with the formal regulations that govern professional ethics in psychology and begin to embrace the values that will contribute to positive outcomes in work settings and in building a society responsive to multicultural and global concerns. Students completing a baccalaureate degree should have more direct opportunities to demonstrate adherence to professional values that will help them optimize their contributions and work effectively, even with those who do not share their heritage and traditions. This domain also promotes the adoption of personal and professional values that can strengthen community relationships and contributions.

- 3.1 Apply ethical standards to evaluate psychological science and practice
- 3.2 Build and enhance interpersonal relationships
- 3.3 Adopt values that build community at local, national, and global levels

Goal 4: Communication

Students should demonstrate competence in writing and in oral and interpersonal communication skills. Students completing foundation-level courses should write a cogent scientific argument, present information using a scientific approach, engage in discussion of psychological concepts, explain the ideas of others, and express their own ideas with clarity. Students completing a baccalaureate degree should produce a research study or other psychological project, explain scientific results, and present information to a professional audience. They should also develop flexible interpersonal approaches that optimize information exchange and relationship development.

- 4.1 Demonstrate effective writing for different purposes
- 4.2 Exhibit effective presentation skills for different purposes
- 4.3 Interact effectively with others

Goal 5: Professional Development

The emphasis in this goal is on application of psychology-specific content and skills, effective self-reflection, project-management skills, teamwork skills, and career preparation. Foundation-level outcomes concentrate on the development of work habits and ethics to succeed in academic settings. The skills in this goal at the baccalaureate level refer to abilities that sharpen student readiness for post baccalaureate employment, graduate school, or professional school. These skills can be developed and refined both in traditional academic settings and in extracurricular involvement.

- 5.1 Apply psychological content and skills to career goals
- 5.2 Exhibit self-efficacy and self-regulation
- 5.3 Refine project-management skills
- 5.4 Enhance teamwork capacity
- 5.5 Develop meaningful professional direction for life after graduation

*Source: *APA Guidelines for the Undergraduate Psychology Major (Version 2.0)* (August 2013). Link to <http://www.apa.org/ed/precollege/undergrad/index.aspx> to find the revised APA undergraduate program guidelines.

The Degree of Bachelor of Arts with a SUBJECT MAJOR IN PSYCHOLOGY: Students majoring in Psychology are required to complete a minor in another subject area. Courses required for the major do not count for the Essential Studies Requirement.

MAJOR IN PSYCHOLOGY

PSYC 131	Introduction to Psychology	3	PSYC 432	Statistics for Psychologists.....	3
PSYC 234	Psychology of Cognition and Learning...	3	PSYC 433	Abnormal Psychology.....	3
PSYC 242	Measurement and Research Designs.....	3	PSYC 435	Theories of Personality	3
PSYC 331	Social Psychology	3	PSYC 442	History of Psychology.....	3
PSYC 334	Developmental Psychology.....	3	PSYC 450	Empirical Research Project.....	3
PSYC 421	Culture and Psychology	3			
PSYC 430	Intro to Behavioral Neuroscience.....	3			Total 36

TWO MINORS IN PSYCHOLOGY

Psychology

PSYC 131	Introduction to Psychology	3	PSYC 334	Developmental Psychology.....	3
PSYC 234	Psychology of Cognition and Learning.....	3	PSYC 432	Statistics for Psychologists.....	3
PSYC 242	Measurement and Research Designs.....	3	* 300 or 400 level electives from Psychology.....	3	
PSYC 331	Social Psychology	3			Total 21

Social Psychology and Personality Systems

PSYC 131	Introduction to Psychology.....	3	PSYC 421	Culture and Psychology	3
PSYC 234	Psychology of Cognition and Learning.....	3	PSYC 433	Abnormal Psychology	3
PSYC 331	Social Psychology	3	*300 or 400 level electives from Psychology.....	3	
PSYC 334	Developmental Psychology.....	3			Total 21

* Electives: May include any course with a Psychology prefix or a course approved by the student’s advisor and the Chair of the Department of Counseling, Psychology, and Social Work.

SOCIAL SCIENCE

Mission

It is the mission of the Social Science program to prepare social studies teachers as future leaders in secondary education. In doing so, the program seeks to foster critical thinking and inquiry skills, and an interdisciplinary understanding of the social sciences. Furthermore, the program prepares future teachers to effectively communicate knowledge and ideas to students in the secondary education environment, and to design effective lesson plans and learning units within the social sciences.

Student Learning Outcomes

Students will be able to demonstrate competence in the following skills outcomes of the History program:

1. Historical interpretation
 - 200 - Illustrate how historians make interpretations of the past
 - 300 - Distinguish broad trends in historical interpretations (historiography)
 - 400 - Synthesize multiple historical interpretations
2. Scholarly Argument
 - 200 - Identify authors’ arguments
 - 300 - Distinguish between authors’ main arguments and secondary points
 - 400 - Evaluate authors’ arguments and evidence
3. Primary Sources
 - 200 - Learn how to analyze/question a primary source
 - 300 - Evaluate trustworthiness of sources and contrast diverse and conflicting primary sources
 - 400 - Formulate relationships among multiple primary sources

4. Thesis Statement
 - 200 - Develop thesis statement supported by evidence using appropriate standards of evidence
 - 300 - Create an argument, marshal evidence from multiple sources, and use endnotes, footnotes, and bibliography
 - 400 - Select problem of study, find appropriate resources, and use endnotes, footnotes, and bibliography
5. Social Sciences
 - 200 – Demonstrate the connections among cognate social studies areas
 - 300 - Integrate perspectives from multiple cognate social studies areas
 - 400 - Evaluate the applicability of cognate social science areas
6. Communication

Display clear and cogent written and oral communication

In addition, students will demonstrate competence in the following outcomes particular to the cognate social sciences:

1. *Articulate* essential knowledge and concepts in the social sciences.
2. *Interpret* quantitative and qualitative evidence.
3. *Apply* the scientific method to answer well formulated research questions.
4. *Evaluate* the utility of contending analytical perspectives.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN SOCIAL SCIENCE (7-12): A student must complete the following program in addition to the Essential Studies Program requirements (PS 101 is recommended to fulfill ESO 8 of the Essential Studies Program) and Professional Education requirements. Information Literacy is recommended to take during the first year of study at CSC.

<u>Survey in U.S. History:</u>	<u>Content/Context (World):</u>
HIST 151 or 152.....3	HIST 371, 372, 373, 374, 375, or 376 (select one)....3
<u>Survey in World History:</u>	<u>Seminar in Process/Context:</u>
HIST 171 or 172.....3	HIST 455, 465, or 475 (select one).....3
<u>Historical Process:</u>	Focus area in PS or ANTH.....9
HIST 210, 220, 230, 240 (select any two).....6	Additional SS electives, as below.....24
<u>Content/Context (US/Europe):</u>	Seminar in the Social Sciences:
HIST 351, 352, 353, 354, 355, or 356 (select one)....3	SS 495.....3
<u>Content/Context (North American West):</u>	Total 60
HIST 361, 362, 363, 364, 365, or 366 (select one)....3	

Nine (9) hours from either Anthropology or Political Science for a Focus Area:

Political Science: PS 321, PS 332 or PS 341, and 400-level PS elective

Anthropology: ANTH 231, 300-level ANTH elective, and a 400-level ANTH elective

Additional Social Science courses other than focus area:

At least six hours from each of four disciplines below not in the chosen Focus Area (24 hours total).

Anthropology (231 and upper division elective)

Political Science (PS 321 and upper-division elective)

Economics (130 and one of the following: ECON 231, ECON 232, FIN 333, PS 425)

Psychology (131 and upper-division elective)

Geography (231 and 232)

The Degree of Bachelor of Science in MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN SOCIAL SCIENCE (GRADES 4-9): A student must complete the following program in addition to the Essential Studies requirements and Professional Education, Middle Grade requirements and one other Content Area of Specialization requirement. Information Literacy is recommended to take during the first year of study at CSC.

ECON 130	Survey of Economics	3	HIST 172	World History since 1500	3
GEOG 232	Cultural Geography	3	PS 321	Politics and Govt. in Hist. Pers.	3
HIST 151	U.S. History to 1877.....	3	Upper-division elective in ANTH or PS.....		<u>3</u>
HIST 152	U.S. History since 1877	3	Total		21

AREA OF CONCENTRATION – Elementary Education

Social Science

A student must complete 9 credit hours from the following courses in addition to the Essential Education and Professional Education, Elementary Education requirements:

*Choose 3 credits from the following:

HIST 151	U.S. History to 1877.....	3	HIST 171	World History to 1500	3
HIST 152	U.S. History since 1877	3	HIST 172	World History since 1500	3

*Choose 6 credits from the following:

ECON 130	Survey of Economics	3	**HIST 363	American Indian History	3
GEOG 232	Cultural Geography	3	PS 321	Politics and Govt. in Hist. Pers.	<u>3</u>
**HIST 362	Nebraska History.....	3	Total		9

** Certification requirements vary from state to state. For example, students planning to teach in Nebraska should take HIST 362. Student planning to teach in South Dakota should take HIST 363. Please consult individual state requirements or your advisor for more information.

SOCIAL WORK

The CSC Social Work program has been accredited by the Council on Social Work Education (CSWE) since 1993. Students who graduate from Chadron State College in Social Work are prepared for social work practice in a multicultural context within the region, as well as nationally and globally. The challenges of and capacities for addressing human diversity are integrated throughout the social work curriculum. The social work curriculum is also designed to encourage the development of knowledge and skills in collaboration, collegiality, and networking. Graduates of CSC Social Work program are prepared to provide professional leadership within the region.

Mission

The Bachelor of Arts in Social Work at Chadron State College provides an undergraduate experience that fosters student development of practice behaviors, and competencies including the knowledge, skills, and values in order to function as generalist Social Workers. The acquired competencies prepare social workers who demonstrate practice abilities that enhance the capacities and quality of life for individuals, families, groups, organizations, and communities within the region of western Nebraska, southwest South Dakota, southeast Wyoming, and northeast Colorado.

In order to carry out the Social Work Program mission of Chadron State College, the Social Work faculty strive for excellence in teaching, scholarship, and service. Social Work faculty teach foundation curriculum with a sensitivity to student needs and with an awareness of the requisite practice behaviors and values appropriate to a competent social work practice at a baccalaureate level. To maintain student learning, Social Work faculty use innovative technology, experiential and active learning approaches, and outcome-based learning that individualize curriculum and instruction to the needs of individual learners.

Social Work faculty continually evaluate courses through student process evaluations, course evaluations of teaching and objective attainment, peer reviews of teaching, assessment of written assignments, and tests of student learning and evaluation of student demonstration of competencies through practice behaviors identified by the Council on Social Work Education. Social Work faculty seek to integrate scholarship with student learning through presentations at regional and national conferences, special projects, and community consultation. Social Work faculty provide service to the College, community, and professional associations by serving on local and regional boards and committees and participating in projects with local human service systems.

Outcomes

To carry out the mission of the Social Work Program and Chadron State College, the Social Work Program seeks to prepare Social Work Professionals who will, upon completion of the Program, be able to:

1. Critically engage, assess and intervene with individuals, families, groups, organizations and communities using multidimensional theories and strategies that enhance the social functioning and interactions of individuals, families, groups, organizations, and communities by involving them in recognizing assets and strengths, accomplishing goals, developing resources, and preventing and alleviating distress. Monitor and evaluate intervention efficacy. Apply knowledge of human development across the lifespan and age appropriate prevention interventions.
2. Utilize the skills and knowledge to successfully practice within the context of rural settings with diverse cultures, reflected by, but not limited to age, gender, mission/orientation, sexual preference, racial or ethnic background, disability, marital status, religious orientations, and life style. Communicate the value of diversity in all social institutions. Recognize the impact of societal values that marginalize or grant privilege to individuals and groups on local and global levels.
3. Utilize knowledge of basic human rights, the forms and mechanisms of oppression/social/economic injustice, integrate a value-base that fosters commitment to advocacy, and develop social skills, practice behaviors, and political skills necessary to alleviate oppression/social/economic injustice.
4. Critically analyze and implement social welfare policies, services, and programs through political and organizational processes in order meet basic human needs and support the development of human capacities. Demonstrate understanding of historical and current social policies and services.
5. Work collaboratively within rural human service agencies and human service delivery systems with supervisors and professional colleagues and develop personal/professional/political support systems.
6. Engage in research-informed practice. Utilize the knowledge and skills of research, evaluate professional practice using qualitative and quantitative research methods, use and solicit collegial feedback, and apply existing knowledge to advance Social Work practice.
7. Practice Social Work with an ethical orientation compatible with the Code of Ethics of the National Association of Social Workers and to apply strategies of ethical reasoning, and act professionally and intentionally in situations with ethical dilemmas. Conduct one's personal life ethically by recognizing and managing personal values in order to allow professional standards of ethical practice to guide practice.
8. Develop an identity as a professional Social Worker and practice Social Work with the highest regard for the strengths/capacities, integrity and value of all beings whether as individuals or in families, groups, organizations and communities. Demonstrate application of the value base of the profession and relevant laws to practice.
9. Apply critical thinking, logic, scientific inquiry, and discernment. Demonstrate creativity and ability to communicate relevant information to others.
10. Enter a graduate program in Social Work with advanced standing.

The Social Work Program consists of pre-professional studies in the freshman and sophomore years and the professional major which is usually completed during the student's junior and senior years of study. Except for some transfer students, incoming students who want to major in Social Work are given the status of a Pre-Professional Social Work major. The Pre-Professional Social Work major is determined by the student indicating Social Work as an area of interest when first enrolling in college. Identifying an interest in Social Work permits the School of Education, Human Performance, Counseling, Psychology, and Social Work to assign the student to a Social Work faculty advisor. Pre-requisite courses to the Professional Social Work Program include the following courses: BIOL 121/121L; ECON 130; PSYC 131; SW 231, 251, 252, 271; PS 231, 321, or 369; and LS 236 (*Students are required to take a 3-credit course in Political Science of PS 231, PS 321, or PS 369. This course will fulfill either Essential Studies Number 8 or Number 9 depending on the choice.*)

Students considering Social Work should consult the Social Work faculty early in their academic career to insure that the necessary pre-requisite coursework is completed prior to admission to the Professional Social Work program.

Admission to the Professional Program

The admissions policy of the Chadron State College Professional Social Work Program is to accept all qualified students within the limits of its resources, facilities, and mission. Qualified students are admitted without regard to age, race, marital status, gender, religion, national origin, or disability. Educational policies, scholarship and loan programs, and other programs and activities, are administered without discrimination. Chadron State College offers a B.A. degree with a comprehensive major in Social Work which is accredited by the Council on Social Work Education (CSWE). Graduating students are prepared to practice as competent beginning Social Work professionals.

Generally, students make application to the Professional Social Work Program during the fall semester of the junior year. Students who change majors or transfer to Chadron State College make application during the first semester on campus or when they have either completed or enrolled in all pre-requisite Social Work courses. Applications to the Professional Social Work Program are available online in the Social Work Student Handbook.

Admission Criteria

Admission to the Chadron State College Professional Social Work Program is based on the following criteria:

1. Junior standing.
2. Cumulative grade point average of 2.50 and a 2.75 GPA in pre-requisite Social Work courses.
3. Completion of an Application to the Professional Social Work Program by deadlines published during the fall semester. An Application to the Professional Social Work Program includes: the application form, three letters of reference, written responses to questions identified on the application form, a personal statement, and a current resume.
4. Completion of the following required courses: BIOL 121/121L; ECON 130; PS 231, 321, or 369; PSYC 131, 242; SW 231, 251, 252, 271; and LS 236.
5. Documentation of 40 hours of volunteer experience in a social service setting must be completed by the beginning of the fall semester of the senior year.
6. Completed interview with Social Work faculty and the Social Work Program Advisory Committee.
7. Signed statement of acknowledgement of student's willingness to abide by the NASW Code of Ethics.

In accordance with the educational standards of the Council on Social Work Education, the Chadron State College Social Work Program does not grant academic credit for life experience for any social work course requirement.

After discussion with Social Work faculty, a student who does not meet the admission requirements for the Social Work Program may petition the Social Work Advisory Committee for special consideration.

Once accepted into the Professional Social Work program, students who apply to enter the Social Work Field Program are required to give permission to have a criminal background check conducted by an approved background investigation service. The background check will include states and counties of prior residence and will be completed at the expense of the student.

A student with a major felony conviction(s) including but not limited to the use of weapons or abuse of vulnerable individuals may not be able to complete SW 464, Social Work Field Practicum, depending upon the Program's ability to find a field placement site. If a student completes the Social Work Professional Program, he/she may not be able to secure a license to practice Professional Social Work, depending upon a given state's social work licensing board's standards or depending upon a given agency's hiring standards. Students with questions about prior convictions must schedule a meeting with the Social Work Program Director and Field Director to discuss circumstances and options available.

Applications for admission to the Professional Social Work Program are reviewed by the Social Work Program Advisory Committee. Students also interview with the Social Work Program Advisory Committee. Action on admission requests may include admission, conditional admission, or denial of admission. Students are notified of the decision of the Social Work Program Advisory Committee by an official letter from the Director of the Social Work Program. Students who are not accepted may appeal the decision by initiating the appeal process as outlined in the *Social Work Program Student Handbook*.

Transfer Students

Students transferring into CSC may upon completion of pre-requisite Social Work courses or upon enrollment in pre-requisite Social Work courses, apply for admission to the Professional Social Work Program. Before a student can be admitted to the Professional Social Work Program, the application process must be completed.

In situations where students are applying to the Professional Social Work Program while finishing pre-requisite courses, students may pre-enroll in Professional Social Work courses on a conditional basis with permission of the Director of the Social Work Program.

Students wanting to transfer credits from another institution must submit an official transcript to Chadron State College for evaluation. Unless an articulation agreement related to Social Work courses exists between Chadron State College and the institution, students must submit syllabi from prior Social Work courses to the Director of the Social Work Program. For Social Work Program courses, the final decision concerning content and acceptability of transferred courses rests with the Director of the Social Work Program.

Termination Policy

A student may be terminated from the Social Work Program due to failure to meet generally accepted standards of professional conduct as identified in the National Association of Social Work Code of Ethics and as identified in the Chadron State College Code of Student Conduct. Examples of nonprofessional conduct include, but are not limited to, consistent failure to demonstrate effective interpersonal skills necessary for forming professional helping relationships, inability to demonstrate a nonjudgmental attitude, and inability to allow client self-determination.

Students who are dismissed from the Social Work Program may appeal the decision by initiating the appeal process as outlined in the *Social Work Program Student Handbook*.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN SOCIAL WORK: A student must complete the following program in addition to all coursework required by Chadron State College. Students pursuing this comprehensive major must complete the following: BIOL 121/121L, ECON 130, and PS 231, 321, or 369.

LS 236	Family Law	3	SW 343L	Research Methods Lab	1
PSYC 131	General Psychology	3	SW 431	Generalist Methods Lab	1
PSYC 242	Intro to Research Methods and Statistics.	3	SW 432	Methods I: Individuals & Families.....	3
SW 231	Professional Social Work	3	SW 433	Methods II: Therapeutic &Task Groups.	3
SW 251	Human Behavior in the Soc Environ I .	3	SW 434	Policy Analysis & Advocacy	3
SW 252	Human Behavior in the Soc Environ II	3	SW 435	Methods III: Org & Communities	3
SW 271	Social Welfare Hist & Serv Delivery Sys.....	3	SW 459	Pre-Field & Orientation.....	1
SW 330	Diversity in the Rural Environment	4	SW 463	Professional Seminar.....	2
SW 332	Services to Elderly & Diff. Abled	2	SW 464	Social Work Field Practicum	10
SW 343	Research Methods	3		Total	57

Depending upon student's future practice interests, Social Work students are encouraged to consider one or more of the following Social Work electives in course planning: SW 331, 338, 339, 340, 430, 436.

Social Work faculty may offer special topics courses under SW 230 or 430, Topics in Social Work.

Students who plan to practice Social Work in the Nebraska Panhandle service area are encouraged to take Spanish and Lakota culture and language courses.

Students interested in the following fields of Social Work practice, may want to consider ONE OR MORE of the following recommended electives:

Disability Services: PSYC 435; SPED 231, 332, 435; SW 332

Policy Analysis: CA 346; ECON 231, 232; LS 333

Mental Health Services: AIS 334; PSYC 433, 435; SW 340

International Social Work: AGRI 431; PS 332; SW 371

Adolescent – School Services: AIS 334; CJ 338, 432; LS 432; PSYC 336; SOC 332; SPED 331; SW 331, 339

Administration: AIS 334; BA 337; LS 235, 435; MGMT 230

Child Welfare Services: AIS 334; FCS 238; SPED 331; SW 331

Gerontology Services: PSYC 234, 430, 433; SW 339

SPECIAL EDUCATION

Chadron State College offers a cross-categorical special education program, providing teaching endorsement programs with current information, skills, and methods regarding program planning, implementation, and assessment for learners with mild/moderate disabilities. Endorsements in Special Education have been selected for their broad scope to effectively meet the special educational needs of teachers who will serve students in a variety of teaching/learning and inclusive environments.

The undergraduate special education curriculum provides the following options: Special Education endorsement (K-12), (4-9), Early Childhood Unified Education endorsement (birth-grade 3). A minor program of study in special education is also offered, as an option, for those also seeking the Elementary Education Field Endorsement program.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN SPECIAL EDUCATION (K-12): Students seeking a teaching endorsement in the area of Special Education (K-12) are required to complete the following courses in addition to the Professional Education courses (2.75 minimum cumulative GPA required), and the Essential Studies Program requirements. Education majors must take ENG 135, ENG 361 and CA 125 or CA 233

The Teacher Internship experience in Special Education (K-12) requires 8 Teacher Internship credit hours in a Special Education setting at the secondary level, as well as 8 credit hours at the elementary level; (EDUC 480V, Teacher Internship M/M K-12).

Professional Education:

The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required no grade may be below a “C”):

EDUC 131	Intro to Teaching	3	SPED 230	Intro Exceptional Learner.....	3
EDUC 224	Multi Media Support Instr. Learning	2	SPED 334	Diff Instr for Diverse Classrooms	3
EDUC 434	Technology in Instructional Strategies... ..	3	EDUC 433	The Middle School.....	3
EDUC 320	Elem/MS Obs & Participation.....	1-3			
PSYC 231	Educational Psychology	3			
					Total 21-23

Special Education Endorsement Courses (K-12):

CTE 431	Intro. to Special Needs Prog in CTE	3	SPED 316s	Microteach Secondary Special Ed.....	1
HPER 422	Intro to Adapted PE.....	3	SPED 331	Beh. Modification & Mgmt.....	3
PSYC 334	Developmental Psychology		SPED 432	Elem./MS/Sec. Meth. Mat. M/M Dis.	3
	OR		SPED 433	Program Dev., Imp. & Eval.....	3
FCS 139	Human Development	3	SPED 435	Assess. Individ. with M/M Disab.....	3
READ 431	Imprv. of Instr. in Reading	3	SPED 438	Consultation/Collaboration	3
SPED 216	Pre-referral Clinical Experience.....	1	SPED 439	Lang. and Learning Disorders.....	3
SPED 232	Interper. Comm Skills for SPED.....	3			
SPED 316e	Microteach Elem/Middle School.....	1			
					Total 36

Professional Year (two semesters):

Comprised of the “Block” Professional Semester and the Teacher Internship Experience semester (Student Teaching)

Students pursuing only the Special Education Endorsement program may select to complete their Professional Year course work requirements by enrolling in either the Elementary Professional Year (Elementary Block route) or the Secondary Professional Year (Secondary Block route). Options are outlined below.

The following courses can be taken only as part of the Professional Year (2.75 minimum cumulative GPA required): refer to Application for Professional Year requirements.

Semester #1/Option 1 – Elementary Block Route: Refer to Application for Professional Semester

EDUC 413	Elem/MS Curric. & Counseling	1	EDUC 422	Teach Elem/MS Science & Health.....	2
EDUC 414	Classroom Mgmt	1	EDUC 423	Teach Primary Reading & Writing	2
EDUC 415	Human Relations/Multicultural.....	1	EDUC 424	Teach Intern. Reading & Writing	2
EDUC 416	Elem/MS Assessment.....	1	SPED 412e	SPED Practices & Strategies.....	1
EDUC 417	Teach Reading & Writing Diagnosis	1		Total	12

Semester #1/Option 2 – Secondary Block Route: Refer to Application for Professional Semester

EDUC 411	Reading/Writing in the Content Areas	1	EDUC 415	Human Relations/Multicultural.....	1
EDUC 412	Curriculum & Standards.....	1-2	EDUC 418	Secondary/MS Assessment	1
EDUC 414s	Classroom Mgmt	1	SPED 412s	SPED Practices & Strategies.....	1
				Total	6-7

Semester #2 – Teacher Interning

EDUC 480, Teacher Internship can be taken only after the successful completion of the Professional Semester (Block) courses (minimum cumulative GPA of 2.75 required).

NOTE: The Praxis II Test #0354/5354 Special Education: Core Knowledge & Application must be taken as a requisite for graduation for all Special Education Endorsed students.

The Degree of Bachelor of Science in Education with an EARLY CHILDHOOD INCLUSIVE FIELD ENDORSEMENT (BIRTH THROUGH GRADE 3):

This endorsement qualifies teachers to teach and provide services to infants, toddler, and children from birth through grade 3, including those with special developmental and/or learning needs as defined in Section 79-1118.08R.S, and to support families and other personnel with responsibilities for their care and education. A student must complete the following program requirements in addition to the Essential Studies and Professional Education Program course requirements. Education majors must take ENG 135, ENG 361 and CA 125 or CA 233

Professional Education:

The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required; no grade may be below a “C”):

EDUC 131	Intro to Teaching	3	PSYC 231	Educational Psychology.....	3
EDUC 224	Multi Media Support Instr. Learning.....	3	SPED 230	Intro Except Learner	3
EDUC 320	Elem/MS Obs & Participation.....	1-3	SPED 334	Diff Instr for Diverse Classrooms	3
EDUC 434	Technology In Instructional Strategies....	3		Total	19-21

Early Childhood Inclusive Endorsement: The following courses are Pre-requisites to the Professional Year (2.75 minimum cumulative GPA required and no grade below a “C”):

EDUC 231	Play, Art & Music for Early Childhood ....3	FCS 423	Program Development Mgmt.....3
EDUC 232	Sci, Math & Soc Stu for Early Child.....3	FCS 448/448L	Early Childhood Practicum & Lab (Age 3 through Grade 3).....4
EDUC 233	Lit & Language Arts for Early Child .....3	SPED 216	Clinical Experience in Pre-referral..... 1
EDUC 321	Teach Elem/MS Math .....2	SPED 316e	Micro Teaching in Preschool .....1
FCS 139	Human Development .....3	SPED 331	Behavior Interventions 3
FCS 237	Guidance Tech in Human Relations.....3	SPED 433	Program Dev, Implem, & Mgmt .....3
FCS 238	Prenatal & Infant Practicum (Birth through age 3).....3	SPED 435	Assessment Indiv Mild/Mod Dis.....3
FCS 239	Partners in Early Child Educ .....3	SPED 438	Consultation/Collaboration .....3
FCS 321A	Curriculum Development in Early Childhood Education .....2	SPED 439	Language & Learning Disorders .....3
			Total 49

Professional Year Courses: (two semesters)

Comprised of the “Block” Professional Semester and the Teacher Internship Experience Semester (Student Teaching): The following courses can be taken only as part of the Professional Year (2.75 minimum cumulative GPA required): Refer to Admission Requirements for the Professional Year.

Semester #1 – Block:

EDUC 413	Elem/MS Curr & Counseling 1	EDUC 422	Teach Elem/MS Science & Health.....2
EDUC 414	Classroom Mgmt 1	EDUC 423	Teach Primary Reading & Writing .....2
EDUC 415	Human Relations/Multicultural..... 1	EDUC 424	Teach Intern. Reading & Writing.....2
EDUC 416	Elem/MS Assessment..... 1	SPED 412e	SPED Practices & Strategies.....1
EDUC 417	Teach Reading & Writing Diagnosis ... 1		Total 12

Semester #2 – Teacher Internship:

EDUC 480P, Teacher Internship Primary and EDUC 480R, Teacher Internship Early Childhood Education Inclusive can be taken only upon successful completion of the above (Semester #1 – “Block”) courses (minimum cumulative GPA of 2.75 required).

NOTE: The Praxis II: Test #5024, Education of Young Children must be taken as a requisite for graduation.

AREA OF CONCENTRATION - Elementary

Special Education

These courses must be completed along with the Elementary Education Field Endorsement course curriculum:

SPED 232	Interpersonal Comm. Skills.....3	SPED 439	Language & Learning Disorders .....3
SPED 433	Program Dev., Imp. & Mgmt .....3		Total 9

TECHNICAL OCCUPATIONS

The Degree of Bachelor of Applied Sciences with a COMPREHENSIVE MAJOR IN TECHNICAL

OCCUPATIONS: The Bachelor of Applied Sciences is a specialized baccalaureate degree program restricted to individuals who transfer to Chadron State College with a completed Associate of Science (AS), Associate of Applied Science (AAS), or Associate of Occupational Science (AOS) degree from an accredited community or technical college. At Chadron State College, students will, working with an academic advisor, develop an official plan of study to complete upper division courses that meet career and educational goals of the student. Contact the Dean of Curriculum and Graduate Studies for more information.

Student Learning Outcomes

Student will:

1. Describe connections between their coursework and their anticipated career
2. Discuss linkages within their coursework
3. Write logically and persuasively, using proper grammar and punctuation

Degree Requirements

Associates Degree Transfer Credit Hours	up to 70 credit hours
Minimum *Essential Studies Credit Hours	30 credit hours
Minimum **Upper Division Credit Hours	40 credit hours
Minimum Total Credit Hours for Degree Completion	120 credit hours

*Essential Studies requirements may be reduced by comparable transfer courses. Students must fulfill Essential Studies minimum credit requirements in each of the Student Learning Outcomes 2 through 11. It is recommended that students select upper division courses in order to help achieve the necessary 40 upper division credit hour requirement

**Upper division requirements may include upper division Essential Studies courses

Transfer of Courses

Chadron State College will accept up to 70 semester credit hours from an AS, AAS, or AOS degree granted by an accredited technical or community college. Additional hours may be accepted from accredited baccalaureate institutions.

THEATRE

Mission and Outcomes

The mission of the Chadron State College Theatre Studies Program is to prepare students for professional and educational theatre through a comprehensive program of practical application of knowledge bases and skills as well as sound analytical and theoretical development. Through a global perspective on theatre, its practices, and its history, students are provided the diversity necessary to their development as an individual and responsible member of a world society.

The course of study is designed to prepare the student for a career in theatre and to encourage personal and artistic growth in a student-centered environment that places equal value on both classroom study and practical application. To this end, the program is dedicated to providing a classroom experience strong in historical, theoretical, and process-oriented work combined with extensive practical opportunities in production in which students are encouraged and expected to play key roles as actors, designers, technicians, and directors.

Student Learning Outcomes.

Upon Completion of this program, students will:

- demonstrate a working knowledge of theatre as a collaborative art form.
- demonstrate a fundamental knowledge of light, set, and sound design as well as voice, acting, and movement in performance.
- describe and apply the concepts that constitute the making of theatre and performance.
- distinguish between various genres in playwriting and performance and the intrinsic demands of these various genres.
- acquire and articulate a working knowledge of the vocabulary for describing and analyzing plays, scenes, designs and performances.
- demonstrate understanding and application of key concepts through assignments in design, costuming, lighting, directing, and /or performance.
- demonstrate understanding of theatre as a business with a grasp of unions, agents, and professional protocols.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN THEATRE: A student must complete the core requirements, the Essential Studies program requirements, graduation literacy requirement and one of the following options.

Core Requirements

FCS 135	Alteration & Construction Techniques.	3
TH 134	Principles of Acting.....	3
TH 159 & 159L	Technical Theatre & Lab	3
TH 222	Stage Make-Up.....	2
TH 234	Audition Techniques & Practices.....	2
TH 237	Beginning Directing	3
TH 242	Intro to Light Design & Lab.....	3

OR

TH 243 & 243L	Intro to Set Design	3
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TH 327	Fundamentals of Voice & Movement ..	3
TH 336	Theatre History I	3
TH 337	Theatre History II.....	3
TH 412	Senior Assessment Jury.....	1
TH 429	Playscript Analysis.....	3
TH 435	Special Topics in Theatre (Choose from Stage Combat, Scene Painting, or Acting for the Camera).....	3

Total 35

Performance/Directing Option

Core Requirements above.....	35
Plus electives to be selected from TH 300/400, 334, 339, 434, 435, 437.....	19
Total	54

Technical/Design Option

Core Requirements above.....	35
Plus electives to be selected from TH 300/400, 339, 435, 445, 459/459L.....	19
Total	54

TH 390 Internship in Theatre (1-12 credits): Internship credits may be substituted for above course requirements in Theatre at the discretion of the Theatre faculty.

The Degree of Bachelor of Science in Education with a SUPPLEMENTAL ENDORSEMENT IN THEATRE

(7-12): A student must complete the following program in addition to the Essential Studies program, graduation literacy, Professional Education requirements, and a major (Subject Endorsement) in another discipline.

TH 134	Principles of Acting	3
TH 159/159L	Technical Theatre Lab	3
TH 237	Beginning Directing	3
TH 242	Intro to Light Design & Lab	3

OR

TH 243	Intro to Set Design	3
TH 327	Fundamentals of Voice & Movement ..	3
	History/Analysis elective*	3
	Production elective*	3

***One (1) elective course must be selected from each of the following 2 categories:**

1. History/Analysis Elective:

TH 336, 337 (Theatre History I or II).....	3
TH 429 (Playscript Analysis).....	3

2. Production Elective:

TH 334	Intermediate Acting.....	3	o	Scene Painting, OR Acting for the Camera, OR Stage Combat	
TH 339	Children’s Theatre Workshop	4			
TH 300/400	Independent Study or Research	3	TH 437	Directing for the Stage.....	3
TH 434	Adv. Acting Period and Styles	3	TH 459	Advanced Theatrical Design	3
TH 435	Special Topics.....	3		Total	21

NOTE: In addition to the above, students are required to successfully complete EDUC 480 (Field Study-3 credit hours) in a theatre-related experience to fulfill State of Nebraska requirements for the supplemental endorsement.

MINOR in Theatre

A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline.

FCS 135	Alteration & Construction Techniques.	3
TH 134	Principles of Acting.....	3
TH 159/159L	Technical Theatre Lab	3
TH 237	Beginning Directing	3
TH 242	Intro to Light Design & Lab.....	3

OR

TH 243	Intro. to Set Design.....	3
	History/Analysis elective*.....	3
	Production elective*	3
	Total	21

*One (1) elective course must be selected from *each* of the following categories:

History/Analysis Elective: TH 336, 337, 429

Production Elective: TH 300/400, 327, 334,339, 434, 435, 437, 459

COURSE DESCRIPTIONS

ACCOUNTING

ACTG 160 Topics in Accounting

Credit 1- 3 hours

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in accounting.

ACTG 241 Accounting Principles I

Credit 3 hours

Introduction to financial accounting principles & the communication of financial information to external users. Examines the conceptual foundations, accounting processes, transaction analysis, & preparation of the four basic financial statements: income statement, balance sheet, equity statement & statement of cash flows.

ACTG 242 Accounting Principles II

Credit 3 hours

Introduction to managerial accounting principles & the communication of financial information to internal users. Emphasis on budgeting, planning, management decision making, cost behavior, cost control & product cost accumulation. Pre-requisite: ACTG 241 or equivalent.

ACTG 332 Accounting Information Systems

Credit 3 hours

Focuses on the collecting, processing & communication of financial information in an organization to both internal & external users. An entity's processing cycles are studied.

ACTG 337 Cost Management Accounting

Credit 3 hours

Cost accounting & managerial accounting concepts & procedures are applied to the management decision making process. Topics included are: activity-based costing, job-order costing & process costing.

ACTG 341 Intermediate Accounting I

Credit 3 hours

Investigates theoretical accounting concepts relating to financial statement preparation and an indepth study of accounting concepts related to assets. Pre-requisites: ACTG 241, 242 or equivalencies.

ACTG 342 Intermediate Accounting II

Credit 3 hours

Accounting concepts relating to non-current assets and liabilities, with emphasis on stockholder's equity in the study of corporate accounting. Pre-requisites: ACTG 241 and 242 or equivalencies.

ACTG 430 Personal Income Tax

Credit 3 hours

Federal income and state tax statutes, tax forms and regulations. Preparation of individual income tax returns. Computer software packages may be included.

ACTG 431 Corporate/Fiduciary Tax

Credit 3 hours

Basic principles of federal income taxation for partnerships, corporations, and fiduciaries. Tax preparation software packages may be included. Pre-requisite: ACTG 430 or equivalent.

ACTG 433 Governmental and Not-For-Profit Accounting

Credit 3 hours

Specialized accounting procedures designed for governmental and non-profit entities including fund accounting, budgetary accounting, and reporting procedures. Non-profit accounting system software may be used to record transactions for these governmental and non-profit entities. Pre-requisite: ACTG 241, 242 and 341 or equivalencies.

ACTG 437 Advanced Cost Management Accounting

Credit 3 hours

Advanced cost accounting & managerial accounting concepts & procedures are applied to the management decision making process. Topics included are: capital investment decisions, budgeting, standard costing, & transfer pricing.

ACTG 438 Auditing **Credit 3 hours**
Duties and responsibilities of auditors, how to conduct an audit, preparation of audit reports, and special auditing problems. Standardized auditing software may be used to conduct a simulated audit for a business entity.
Pre-requisites: ACTG 241, 242 and 341 or equivalencies.

ACTG 443 Advanced Financial Accounting **Credit 3 hours**
Accounting theory and problems dealing with corporate combinations and consolidations and other specialized financial accounting topics.

ACTG 460 Topics in Accounting **Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in accounting.

AGRICULTURE

Many of the Agriculture courses require field trips that are considered an integral part of the course. Field trips may be held on Saturdays.

AGRI 110 Agriculture Seminar I **Credit 1 hour**
This course is designed to provide students with an introduction to the study of agriculture. Students will be exposed to study methods, technical writing, scientific literature, and written and oral communication skills that will be vital successfully completing their study of agriculture and related fields. This course will clarify and improve student expectations of an undergraduate education.

AGRI 132 Introduction to Animal Science **Credit 3 hours**
Species adaptability, product standards and requirements, areas and types of production, processing and distribution of products, including meat animals, dairy, and horses.

AGRI 141 Introduction to Plant Science **Credit 3 hours**
Fundamental structures and processes of plants. Principles to be applied cover plant structures, physiology, genetics, and environmental relationship to growth, adaptation, biotechnology, and management of plants.

AGRI 151 Foundations of Nutrition and Metabolism **Credit 3 hours**
The fundamental aspects of nutrients and their metabolism will be presented. This course is designed for students with an interest in human or animal nutrition. Cross-listed as FCS 151.

AGRI 160 Special Topics **Credit 1-3 hours**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.

AGRI 234 Principles of Animal Nutrition **Credit 2 hours**
Principles of ruminant and non-ruminant nutrition as they relate to the biochemical and physiological functions of nutrients in life processes, and as they relate to feeding practices. Must be taken concurrently with AGRI 234L.

AGRI 234L Principles of Animal Nutrition Laboratory **Credit 1 hour**
Lab experience. Must be taken concurrently with AGRI 234.

AGRI 235 Introduction to Wildlife Management **Credit 3 hours**
Introduction to the basic principles of wildlife biology and the art and science of wildlife management. Emphasis will be placed on terrestrial wildlife. Field trips required. Cross-listed as BIOL 235.

AGRI 242 Principles of Rangeland and Forage Management **Credit 3 hours**
Emphasizes rangeland history, ecology, physiology of rangeland productivity and utilization, grazing management, rangeland improvements, and domestic livestock and wildlife management. Also includes forage production, harvesting, storage, rotations and pasture management. Must be taken concurrently with AGRI 242L.

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- AGRI 245 Principles of Soil Science** **Credit 3 hours**
Origin, development, classification, and management of soils that affect plant growth. Must be taken concurrently with AGRI 245L.
- AGRI 245L Principles of Soil Science Laboratory** **Credit 1 hour**
Lab experience. Must be taken concurrently with AGRI 245.
- AGRI 259 Agricultural Economics and Agribusiness** **Credit 3 hours**
Basic economic principles and theories focusing on product markets, resource markets, production costs, and market structures, conduct and performance of the agricultural sector from retail level, consumers' demands, and resource sectors, production, domestically and globally within agriculture. Governments' roles, functions and policies which impact domestic and global markets for agriculture. Pre-requisites: Department's Mathematics Requirement; ECON 232; or consent of the instructor.
- AGRI 270 Special Topics** **Credit 1-3 hours**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- AGRI 310 Careers in Agriculture** **Credit 1 hour**
Introduction for all agriculture related majors to career options. Students will conduct independent research of selected agriculture firms or agencies. A required job shadowing experience will provide knowledge of opportunities and challenges of working in the broad agricultural job market.
- AGRI 324 Wildlife and Livestock Disease Management** **Credit 3 hours**
Outlines parasitic, infectious, and environmental diseases influencing wild and domestic animal populations. Identifies the cause of disease, routes of transmission, and effects on the individual and population. Explores management alternatives to control disease and reduce impacts on wildlife populations. Pre-requisite: AGRI/BIOL 235 or AGRI 132, or consent of the instructor. Cross-listed as BIOL 324.
- AGRI 325 Rangeland Wildlife Management** **Credit 3 hours**
Issues and management of wildlife and their habitats on rangelands. Emphasis will be on wildlife habitat management and manipulation and the issues of co-habitation of wildlife and domestic livestock. Field trips may be required. Cross-listed as BIOL 325. Pre-requisite: Sophomore status or permission of instructor and Dean.
- AGRI 329 Agricultural Marketing** **Credit 3 hours**
Market structure, conduct, and performance factors within the domestic and global marketing areas with specific emphasis on production components, agricultural resources, outputs and marketing through supply chains and channels. Specific attention involves governments' roles in marketing, market basket, price spreads, price analysis, futures and options markets, and contract marketing. Pre-requisites: Department's Mathematics Requirement, ECON 231, 232, or consent of the instructor.
- AGRI 331 Farm and Ranch Management** **Credit 3 hours**
The skills, techniques, innovations, and current procedures for management of farms and ranches.
- AGRI 333 Ruminant Production** **Credit 3 hours**
Principles and practices of commercial and purebred domestic and wildlife production including breeds, breeding, reproduction, diseases, marketing, management, and general husbandry. Must be taken concurrently with AGRI 333L.
- AGRI 333L Ruminant Production Laboratory** **Credit 1 hour**
Lab experience. Must be taken concurrently with AGRI 333.
- AGRI 334 Vegetation Manipulation Practices** **Credit 3 hours**
Methods of manipulating rangeland vegetation for multiple-use purposes by grazing management, undesirable animal and plant control, seeding, soil and water enhancement, and other appropriate management practices. Pre-requisite: AGRI 242 or consent of instructor.

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- AGRI 335 Horse Production** **Credit 3 hours**
Principles and practices related to modern horse industry including conformation, performance, horse handling, diseases, housing, foot and leg care, equipment, and history.
- AGRI 336 Non-Ruminant Production** **Credit 3 hours**
Principles and practices of non-ruminant production including breeds, breeding and reproduction, diseases, marketing, management, and general husbandry.
- AGRI 337 Applied Animal Nutrition** **Credit 3 hours**
Characteristics of basic feedstuffs and recommended feeding practices utilizing ration development, feeding trials, and feed analysis.
- AGRI 338 Livestock Evaluation** **Credit 3 hours**
Evaluation of the relationship of form to function of domestic animals for superior production. Various types, classes, grades, and breeds of livestock will be studied. Pre-requisite: AGRI 132 or consent of the instructor.
- AGRI 339 Rangeland Plant Identification** **Credit 1 hour**
Identification of the principle rangeland grasses, forbs, and shrubs of North American rangelands by ecosystem, with both common and scientific names. Habitat, management, and historic use characteristics of these species is also presented. Must be taken concurrently with AGRI 339L.
- AGRI 339L Rangeland Plant Identification Laboratory** **Credit 2 hours**
Lab experience. Must be taken concurrently with AGRI 339.
- AGRI 340 Computer Applications in Agriculture** **Credit 3 hours**
Introduction to practical applications of the microcomputer in the agriculture industry. Agriculture information and marketing services, bulletin boards, word processing, record keeping spreadsheets, database uses, and other agriculture related applications will be addressed.
- AGRI 346 Equine Communications I** **Credit 3 hours**
This course is designed as an introduction to natural horsemanship. Through the principle of making the right thing easy and the wrong thing difficult, students will learn the fundamental nature of round penning young horses. Students will build a strong foundation with aspects of controlling the forehead, haunches, shoulders and ribs.
- AGRI 347 Equine Communications II** **Credit 3 hours**
This course is a continuation of Equine Communications I. Through the principle of making the right thing easy and the wrong thing difficult, students will learn the fundamental nature of centered riding, soft supple maneuvers, and riding with confidence. Students will learn to train horses through soft hands and communication through their seat position. Maneuvers being taught are: side pass, turn-around, correct stop, lead changes, roll-backs, circling, hip, shoulder, rib, and forehead control.
- AGRI 350 Rangeland Ungulate Production** **Credit 3 hours**
Production of ungulates on rangelands. Includes plant and animal responses to grazing, grazing animal behavior, grazing management, supplementing Rangeland forage, and economic considerations. Pre-requisite: AGRI 242 or consent of the instructor.
- AGRI 390 Internship in Agriculture/Rangeland Management** **Credit 1-12 hours**
Provides practical experience in resource management relative to agriculture, rangeland management, natural resources, and wildlife management. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- AGRI 400 Independent Study or Research** **Credit 1-3 hours**
For student seeking an individual problem in agriculture. Approval of a supervising faculty member, academic Dean and Academic Vice President are required before registering.

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- AGRI 410 Agriculture Seminar II** **Credit 1 hour**
Designed to enhance oral and written communication skills as encountered in agriculture. Pre-requisite: Junior or Senior status.
- AGRI 420 Rangeland Short Course** **Credit 2 hours**
Intensive summer workshop covering all contemporary areas of Rangeland management. Additional fees will be assessed.
- AGRI 426 Wildlife Research and Management Techniques** **Credit 3 hours**
Field and laboratory techniques for studying, evaluating, and managing wildlife and their habitats are described and demonstrated. Field trips required. Cross listed as BIOL 426. Pre-requisite: AGRI/BIOL 235 required; AGRI/BIOL 325 recommended.
- AGRI 427 Animal Anatomy and Physiology** **Credit 3 hours**
Principles of physiology as related to gross anatomy, disease, and management practices of mammals. Recommended for pre-veterinary students. Pre-requisites: AGRI 132, BIOL 225 or consent of the instructor. Must be taken concurrently with AGRI 427L.
- AGRI 427L Animal Anatomy and Physiology Laboratory** **Credit 1 hour**
Lab experience. Must be taken concurrently with AGRI 427.
- AGRI 428 Habitat Inventory and Analysis** **Credit 1 hour**
Rangeland and monitoring inventory techniques and vegetation sampling methods related to rangeland vegetation condition and degree of use. Must be taken concurrently with AGRI 428L/528L. Pre-requisites: AGRI 242 and 339, or consent of the instructor.
- AGRI 428L Habitat Inventory and Analysis Laboratory** **Credit 2 hours**
Field lab experience. Must be taken concurrently with AGRI 428/528.
- AGRI 429 Equine Industry Applied Field Studies** **Credit 2 hours**
This class will take a tour of equine business and training operations in different parts of the region. The purpose of this tour is to show the students the wide variety of opportunities available in the horse industry.
- AGRI 431 International Food Policy** **Credit 3 hours**
Ramifications of world population growth and abilities of that population to feed itself. Differences between cultures, geographic areas, and nations' technological developments and economic powers will be presented. Ethical, cultural, and environmental concerns and responsibilities will be analyzed and discussed.
- AGRI 435 Wildlife Management Practicum** **Credit 3 hours**
Seminar style course that will bring together wildlife professionals, natural resource managers, livestock producers, environmentalists and others interested in wildlife management. Participants will describe, discuss, and debate existing programs and issues on private and public lands. Field trips required. Cross-listed as BIOL 437. Pre-requisites: AGRI/BIOL 235, AGRI/BIOL 426 required; AGRI/BIOL 325 recommended.
- AGRI 436 Rangeland and Fire Ecology** **Credit 3 hours**
Principles of rangeland ecology using an approach treating plants, animals and humans as a whole. Includes composition, structure, processes, adaptations to environmental factors, biotic relationships, and problems of environmental quality and resource use. The role of fire in rangeland ecosystems, the characteristics of fire, and use of fire in maintaining native ecosystems will be explored. May require field trips. Pre-requisite: AGRI 242 or consent of the instructor.
- AGRI 437 Returning to the Farm** **Credit 2 hours**
Designed for students and their parents who are planning on farming/ranching together. Involves study of personality differences, business goals and arrangements, communications, decision-making, and adequacy of size of operation. Computer analysis of participant's operating alternatives.

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- AGRI 438a/538a Land Resource Management Planning I** **Credit 1 hour**
Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands. This is a spring course with the intent of the student beginning their land planning efforts. Students taking this course must also enroll in AGRI 438b/538b Land Resource Management Planning II for 2 credit hours to achieve a total of 3 hours credit in the Land Resource Management Planning area. Pre-requisites: AGRI 141, 242, 245, 334, 339, and 350 or consent of the instructor.
- AGRI 438b/538b Land Resource Management Planning II** **Credit 2 hours**
Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands. This is a fall course with the intent of the student completing their land planning efforts. Student taking this course must also enroll in AGRI 438a/538a Land Resource Management Planning I for 1 credit hour to achieve a total of 3 hours credit in the Land Resource Management Planning area. Pre-requisites: AGRI 141, 242, 245, 334, 339, and 350 or consent of the instructor.
- AGRI 438c/538c Land Resource Management Planning III** **Credit 3 hours**
Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands. This is a fall course for primarily transfer students and students that cannot take Land Resource Management Planning I and II due to scheduling conflicts. Students must achieve a total of 3 hours credit in the Land Resource Management Planning area. Pre-requisites: AGRI 141, 242, 245, 334, 339, and 350 or consent of the instructor.
- AGRI 444 Grass Systematics** **Credit 3 hours**
The main focus of the course is on identification of members of the Poaceae, or grass, family. Students will work through grasses provided to identify them down to species. Upon completion of the class the students will be able to recognize common tribal and genera characteristics, and be able to key out unknown grasses.
- AGRI 445 Mammalogy** **Credit 2 hours**
Systematic, life history, physiology, and behavior of mammals. Must be taken concurrently with AGRI 445L. Field trips may be required. Cross-listed as BIOL 435.
- AGRI 445L Mammalogy Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with AGRI 445. Cross-listed as BIOL 435L.
- AGRI 447 Animal Breeding and Reproduction** **Credit 3 hours**
Reproduction processes of domestic animals, including anatomy, physiology, and endocrinology of reproduction, breeding systems, and artificial insemination principles. Pre-requisite: AGRI 132 or consent of the instructor.
- AGRI 451 Human Dimensions of Wildlife Management** **Credit 3 hours**
Overviews the historic and current public viewpoints of wildlife and wildlife/human conflicts. Examines the policies which affect wildlife research and management and the impacts public opinion has on policy formation. Identifies the various stakeholders involved in natural resource management and policy and incorporates the idea that wildlife management is people management. Pre-requisite: AGRI/BIOL 235, or consent of the instructor.
- AGRI 460 Topics in Agriculture** **Credit 1-3 hours**
Meets the needs of changing conditions in agriculture. Topics may change from semester to semester. This course may be repeated for up to a total of 6 hours of credit.
- AGRI 461 Special Problems** **Credit 1-4 hours**
Designed for the highly motivated advanced student. The student must submit a plan of study to the instructor and have the instructor's approval the semester prior to enrollment. This course may be repeated for up to a total of 6 hours of credit.

AMERICAN INDIAN STUDIES

- AIS 131 Lakota Language I** **Credit 3 hours**
Introduction to the Lakota language, with focus on preserving the ancient language of the Lakota, both written and spoken.
- AIS 132 Lakota Language II** **Credit 3 hours**
Continuation of Lakota language study with emphasis on speaking and reading skills. Pre-requisite: AIS 131 or equivalent.
- AIS 334 Lakota Society and Culture** **Credit 3 hours**
Focus upon the central cultural aspects of the Lakota Sioux, including tribal and political organization, and social mores and norms. Recent changes in Reservation society will be examined.
- AIS 430 Topics in American Indian Studies** **Credit 3 hours**
Special topics in American Indian Studies.
- AIS 436 Seminar in American Indian Studies** **Credit 3 hours**
Designed to meet the specific needs of a group of students. Permission of the Instructor is required.

ANTHROPOLOGY

- ANTH 231 Introduction to Cultural Anthropology** **Credit 3 hours**
Comparative study of a variety of human groups modern and pre-modern, including analysis of technology, family form, religion, other aspects of social organization, and cultural change. Methods of cultural anthropology will be discussed. Field trips may be required.
- ANTH 337 People and Cultures of North America** **Credit 3 hours**
Survey of indigenous cultures of North America from prehistory through contemporary societies. Emphasis is placed on the wide range of diversity exhibited by American Indians across the continent. Course content will include prehistoric Native Americans, the contact period, and contemporary American Indian societies.
- ANTH 351 Ancient West** **Credit 3 hours**
This course investigates the people and cultures of the West from the Neolithic period through the Middle Ages. In addition to anthropological works, this course analyzes the subject through other cognate social sciences, with special emphasis on history.
- ANTH 371 Ancient East** **Credit 3 hours**
This course investigates the people and cultures of South and East Asia from the emergence of the earliest civilizations until sustained contact with the West. In addition to anthropological works, this course analyzes the subject through other cognate social sciences, with special emphasis on history.
- ANTH 430 Topics in Anthropology** **Credit 1-3 hours**
Special topical studies that may include: art and religion, Native American culture, impact of technology on culture, agricultural systems, cultures of the Middle East, exploration and cultures, linguistics, and nomadism. Student may repeat the course for a maximum of 9 hours credit. Field research is possible.
- ANTH 435 Northern Plains Indian Cultures** **Credit 3 hours**
Survey of Northern Plains Indian cultures with a focus upon aspects of cultures from both a historical and contemporary perspective, but with emphasis being placed on the contemporary cultures. The impact of modern technology and Euro-American contact on Northern Plains Indians will also be examined as well as the continuing functions of traditional Native beliefs in contemporary social, economic, political, and religious contexts.

ART

- ART 131 Drawing I** **Credit 3 hours**
Basic drawing techniques using a variety of media and emphasizing the development of perceptual skills and communication through the language of art. May require field trips.
- ART 133 Design Fundamentals I** **Credit 3 hours**
Study of the basic elements and principals of two dimensional design and their application in the visual language of creative art.
- ART 136 Drawing II** **Credit 3 hours**
Continuation of drawing skills introduced in Drawing I. Students will work from both still life and live models. Pre-requisite: ART 131 or by permission of instructor.
- ART 160 Topics in Art** **Credit 1–3 hours**
Special Topics in Art may be taken within a variety of media areas.
- ART 223 Introduction to Photography** **Credit 3 hours**
Introduction to the tools and techniques of traditional darkroom black and white photography. Topics covered include camera operation, lighting, film and print development, and professional presentation.
- ART 225 Printmaking I** **Credit 3 hours**
Introduction to fundamental processes and creative potential of printmaking, including block printing, intaglio, and serigraphic techniques. Pre-requisite: ART 131 or permission of instructor.
- ART 227 Sculpture I** **Credit 3 hours**
Experimentation with various materials in the creation of three-dimensional forms. Various media and processes will be explored.
- ART 228 Ceramics I** **Credit 3 hours**
Basic techniques of pinch, coil, slab and wheel thrown ceramics, including clay mixing, glazing and kiln loading.
- ART 229 Introduction to Graphic Design** **Credit 3 hours**
Introduction to the fundamentals of design, typography, layout, exploration of design history, the profession of graphic design and commercial art.
- ART 230 Design Fundamentals II** **Credit 2 hours**
Fundamentals of three-dimensional design are covered through the elements and principles of form. Pre-requisites: ART 131 or by permission of instructor.
- ART 232 Painting I** **Credit 3 hours**
Basic painting techniques emphasizing the use of value and color, the development of perceptual skills, familiarization with materials and communication through the language of Art. May require field trips. Pre-requisite: ART 131 or permission of instructor.
- ART 237 Creative Crafts I** **Credit 3 hours**
Course designed to be an exploration into the field of the Creative Craft Artist. Areas covered but not limited to are Fabric Design, Glass Lampworking, Papermaking, Jewelry and Weaving.
- ART 239 Elements of Art** **Credit 3 hours**
Introduction to Art History, artists, techniques, and materials employed in the production of art. Illustrated lectures and demonstrations.
- ART 310 Art Seminar** **Credit 1-3 hours**
Study and research of Art topics and problems of interest to advanced art students. Critiques of work and an art show are required. May be repeated with a different topic.

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- ART 320 Figure Drawing** **Credit 3 hours**
Development of perceptual skills in relation to the figure. Emphasis is placed on the use of the figure as a means of self-expression. Pre-requisite: ART 131 and 136.
- ART 321 Glass I** **Credit 3 hours**
(a) Study of the history of and techniques used in forming hot glass. Student will gather, blow, shape and finish molten glass.
(b) Designed to introduce the student to various cold working processes in glass. Course will cover stained glass and etching.
- ART 322 Graphic Design I** **Credit 3 hours**
Intermediate-level graphic design work using design principles with an introduction to Adobe Creative Suite design software (InDesign, Photoshop, and Illustrator) through assignments and projects.
- ART 323 Creative Photography** **Credit 3 hours**
Introduction to the procedures and creative potential of the photographic process. Topics will include alternative, traditional, and digital photographic techniques.
- ART 325 Printmaking II** **Credit 3 hours**
Advanced exploration of processes and creative potential of printmaking, including block printing, intaglio and serigraphic techniques. Pre-requisite: ART 225.
- ART 329 Graphic Design II** **Credit 3 hours**
Intermediate-level graphic design work focusing on web design utilizing concept, information organization, and design principles with an introduction to Dreamweaver and Flash software.
- ART 330 Topics in Art** **Credit 1-3 hours**
Designed for study of some aspect of art not offered as a regular class. Fields trips may be required. May be repeated with a different topic. Pre-requisite: Permission of art faculty.
- ART 331 Watercolor** **Credit 3 hours**
Introduction to watercolor and other mediums such as pastels or pencils. The use of color, development of perceptual skills and communication through the language of art will be emphasized.
- ART 332 Painting II** **Credit 3 hours**
Advanced oil or acrylic painting techniques emphasizing the development of a personal direction and portfolio. Pre-requisite: ART 232.
- ART 334 Art for the Elementary/Middle School Teacher** **Credit 3 hours**
Study of Discipline Based Art Education in the elementary/middle school classroom. Includes basic design, media experience, reference materials, art criticism, aesthetics, and history. Recommended Pre-requisites: EDUC 131 and PSYC 231.
- ART 337 Sculpture II** **Credit 3 hours**
Advanced construction of three-dimensional forms through the use of clay, wood, wire and various other materials. Pre-requisite: ART 227.
- ART 338 Art History Survey I** **Credit 3 hours**
Historical survey of Western Art from Prehistory through Gothic with emphasis on the social and political influences of the visual arts. Field trips may be required.
- ART 339 Art History Survey II** **Credit 3 hours**
Historical survey of Western Art from the Renaissance through Impressionism with emphasis on the social and political influences of the visual arts. Field trips may be required.

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- ART 340 Twentieth Century Art Survey** **Credit 3 hours**
Survey of important movements and individual artists that have shaped Art History from Impressionism through the Postmodern 90s. Field trips may be required.
- ART 343 Digital Photography** **Credit 3 hours**
Course is designed to explore digital photography and digital image manipulation using Adobe Photoshop and related software. Manually adjustable digital camera required.
- ART 390 Internship in Art** **Credit 1-12 hours**
Provides practical experience in art. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- ART 400 Independent Study or Research** **Credit 3 hours**
Study or research in an area of special interest. Students must submit a written proposal for study and be approved by the Art department prior to registration. Pre-requisite: permission of Art faculty, Dean and Academic Vice President.
- ART 410 Seminar in Art** **Credit 1-3 hours**
Designed to meet the special needs of a student or group in which Independent Study or Research is done. May be repeated with a different topic. Pre-requisite: permission of Art faculty.
- ART 411 Graphic Design III** **Credit 3 hours**
Advanced-level work in graphic design. Exploration of several areas of design including logos, visual identity and branding, posters, editorial design, packaging design, annual reports, advertising, and web design. Further instruction and practice with Adobe Creative Suite design software (In Design, Photoshop, and Illustrator). Pre-requisite: ART 322 or permission of instructor.
- ART 412 Senior Thesis** **Credit 1 hour**
Preparation of the student's senior art exhibit and portfolio is required of all art majors. Students will be evaluated on poster design, publicity, pictorial display, gallery arrangement, creativity and craftsmanship in a broad range of media.
- ART 421 Glass II** **Credit 3 hours**
(a) Exploration in the use of molten glass as an art medium, with attention to techniques, construction and maintenance of studio equipment. Pre-requisite: ART 321A.
(b) Exploration into the advanced construction of strained glass panels. Course will cover both lead and copper foil processes. Lampworking with beads and marbles will be introduced. Pre-requisite: ART 321B.
- ART 422 Graphic Design Practicum** **Credit 3 hours**
Advanced level work in graphic design. Emphasis on multi-piece design, concept development, professional presentation and portfolio preparation. Pre-requisite: ART 322 and 329.
- ART 428 Ceramics II** **Credit 3 hours**
Concentration on the wheel thrown form, both functional and non-functional, with continued research into glaze formulation and firing of kilns. Pre-requisite: ART 228.
- ART 430 Advanced Art Studio** **Credit 3 hours**
Open to advanced art students who have completed required courses and seek additional experience in a particular area or medium. Students must take the initiative of selecting an area, outlining a detailed plan of work and study, and submitting it in writing to the art department. Departmental approval must be received before registering. May be repeated with a different area/medium up to 3 times. Pre-requisite: permission of Art faculty.
- ART 437 Creative Crafts II** **Credit 3 hours**
Advanced exploration into the field of the Creative Craft's Artist. Areas covered, but not limited to, are Fabric Design, Glass Lampworking, Papermaking, Jewelry and Weaving. Pre-requisite: ART 237

BIOLOGY

- BIOL 110 Introduction to Laboratory Medicine** **Credit 1 hour**
Processes and procedures of the clinical laboratory including a historical perspective, hospital/laboratory organization, accrediting agencies, professional organizations, communication, ethics, departments, specialties, and the attributes of effective medical laboratory utilization.
- BIOL 121 Human Biology** **Credit 2 hours**
An introductory study of the structure and function of the human body. Not for Biology or Health Science majors and minors. Must be taken concurrently with BIOL 121L.
- BIOL 121L Human Biology Laboratory** **Credit 1 hour**
Laboratory experience in the structure and function of the human body. Must be taken concurrently with BIOL 121.
- BIOL 132 Medical Terminology** **Credit 2 hours**
The study of prefixes, suffixes, and roots of words used in medical and biological fields, emphasizing their origin in the Greek and Latin languages. Designed for biology majors and pre-professional students in the health care fields. This course does not satisfy any essential studies requirements.
- BIOL 136 Biological Science** **Credit 2 hours**
A survey of biological knowledge and principles designed to meet the needs of the non-science major. No credit towards biology major or minor. Must be taken concurrently with BIOL 136L.
- BIOL 136L Biological Science Laboratory** **Credit 1 hour**
Laboratory experience in biological study, including using technology to explore and to gather scientific data. Must be taken concurrently with BIOL 136.
- BIOL 138 General Botany** **Credit 2 hours**
The classification, ecology, anatomy, physiology, and phylogenetic relationships of major flowering plant groups. Must be taken concurrently with BIOL 138L.
- BIOL 138L General Botany Laboratory** **Credit 1 hour**
Laboratory experience in flowering plants. Must be taken concurrently with BIOL 138.
- BIOL 139 General Zoology** **Credit 2 hours**
The classification, genetics, ecology, anatomy, physiology, behavior, and phylogenetic relationships of major animal groups. Must be taken concurrently with BIOL 139L.
- BIOL 139L General Zoology Laboratory** **Credit 1 hour**
Laboratory experience in major animal group anatomy and phylogeny. Must be taken concurrently with BIOL 139.
- BIOL 225 Cellular Biology** **Credit 3 hours**
The form, function, and physiology of eukaryotic cells, prokaryotic cells, viruses, and prions. This course assumes proficiency in freshman chemistry.
- BIOL 235 Introduction to Wildlife Management** **Credit 3 hours**
Introduction to the basic principles of wildlife biology and the art and science of wildlife management. Emphasis will be placed on terrestrial wildlife. Field trips required. Cross-listed as AGRI 235.
- BIOL 238 Plant Morphology** **Credit 3 hours**
The phylogenetic treatment of the vascular, lower vascular, and nonvascular plants, living and extinct. Must be taken concurrently with BIOL 238L. Pre-requisite: BIOL 138/138L or AGRI 141.
- BIOL 238L Plant Morphology Laboratory** **Credit 1 hour**
Laboratory experience in phylogenetic relationships of the plants. Must be taken concurrently with BIOL 238.

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- BIOL 239 Animal Classification** **Credit 3 hours**
The phylogenetic treatment of vertebrate and invertebrate animals, living and extinct. Must be taken concurrently with BIOL 239L. Pre-requisite: BIOL 139/139L and BIOL 225.
- BIOL 239L Animal Classification Laboratory** **Credit 1 hour**
Laboratory experience in the phylogenetic relationships of animals. Must be taken concurrently with BIOL 239.
- BIOL 240 Anatomy and Physiology I** **Credit 3 hours**
The anatomy and physiology of the human body will be studied through the ten body systems. The content of this course includes the microscopic organization of the tissue of the body and the integument, skeletal, muscular, nervous system. This is the first semester of a two semester sequence with BIOL 242 Anatomy and Physiology II. This course is designed for students preparing for 2 year professional schools, seeking a general biology degree, or pre-service teacher educators.
- BIOL 240L Gross Human Anatomy Laboratory** **Credit 1 hour**
Gross human anatomy laboratory uses donor bodies. Must be taken concurrently with BIOL 240 and BIOL 340. Pre-requisites: BIOL 225, Cellular Biology and must be taken concurrently with BIOL 240 or BIOL 340. Cross-listed with BIOL 340L.
- BIOL 242 Anatomy and Physiology II** **Credit 3 hours**
The anatomy and physiology of the human body will be studied through the ten body systems. The content of this course includes the microscopic organization of the tissues of the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems. This is the second semester of a two semester sequence with BIOL 240 Anatomy and Physiology I. This course is designed for students preparing for 2 year professional schools.
- BIOL 242L Human Physiology Laboratory** **Credit 1 hour**
Laboratory experience in physiology of human systems, using technology and donor bodies. Must be taken concurrently with BIOL 242 and BIOL 342. Pre-requisite: BIOL 240 and BIOL 240L or BIOL 340 and BIOL 340L. Cross-listed with BIOL 342L.
- BIOL 270 Topics in Biology** **Credit 1-3 hours**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- BIOL 311 Biology Seminar I** **Credit 1 hour**
Selection of topics suitable for library research, conducting of literature searches, critical analysis of sources, and presentation of integrated thesis in a poster format. Resume development will be discussed. Should be taken within the last two semesters student is enrolled at Chadron State College. Pre- or co-requisite: BIOL 332.
- BIOL 314 Biotechnology** **Credit 3 hours**
Hands-on procedures with lectures and readings to provide theoretical understanding and historical background of biotechnology work. Pre-requisite or co-requisite: BIOL 332.
- BIOL 320 Supervised Study in Laboratory and Field Methods** **Credit 1-2 hours**
Students will prepare, supervise, and evaluate laboratory exercises under the direction of faculty members. Designed to give students practical experience teaching in the laboratory setting.
- BIOL 323 Basic Hematology** **Credit 1 hour**
Basic hematology and urinalysis including microscope usage and care; blood cell formation, function and destruction; abnormal blood cells; blood clotting; coagulation disorders; and the chemical and physical examination of urine. Must be taken concurrently with BIOL 323L. Pre-requisites: BIOL 225, BIOL 231/231L, and CHEM 231/231L.
- BIOL 323L Basic Hematology Laboratory** **Credit 1 hour**
Laboratory experience in basic hematology and urinalysis. All students must have received two of the three hepatitis B vaccinations prior to beginning this course. Must be taken concurrently with BIOL 323.

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- BIOL 324 Wildlife and Livestock Disease Management** **Credit 3 hours**
Outlines parasitic, infectious, and environmental diseases influencing wild and domestic animal populations. Identifies the cause of disease, routes of transmission, and effects on the individual and population. Explores management alternatives to control disease and reduce impacts on wildlife populations. Pre-requisite: AGRI/BIOL 235 or AGRI 132, or consent of the instructor. Cross-listed as AGRI 324.
- BIOL 325 Rangeland Wildlife Management** **Credit 3 hours**
Issues and management of wildlife and their habitats on rangelands. Emphasis will be on wildlife habitat management and manipulation and the issues of co-habitation of wildlife and domestic livestock. Field trips may be required. Cross-listed as AGRI 325. Pre-requisite: Sophomore status or permission of Instructor and Dean.
- BIOL 332 Genetics** **Credit 3 hours**
Transmission of traits from generation to generation, including Mendelian, molecular, and population genetics. Pre-requisites: BIOL 225, CHEM 131/131L or 140/140L, or permission of instructor.
- BIOL 336 General Ecology** **Credit 2 hours**
The structure and function of nature with emphasis on biomes, ecosystems, communities, and populations. Must be taken concurrently with BIOL 336L. Field trips required. Pre-requisite: 6 hours from any of the following: BIOL 138/138L, BIOL 139/139L, AGRI 141, AGRI 242/242L.
- BIOL 336L General Ecology Laboratory** **Credit 1 hour**
Laboratory experience in describing and quantifying natural communities and populations. Must be taken concurrently with BIOL 336.
- BIOL 337 Environmental Management** **Credit 3 hours**
Global ecosystem and humans' impact on it, including biology in human affairs, air and water pollution, and population growth. Coverage includes the major environmental laws, such as NEPA, ESA, The Wilderness Act, etc. Special projects are required. Field trips required.
- BIOL 340 Human Anatomy** **Credit 3 hours**
An advanced study of the microscopic and gross structure of the human body. This course will prepare the study for entry into BIOL 342. Donor bodies are used. Must be taken concurrently with BIOL 340L. Pre-requisite: BIOL 225.
- BIOL 340L Gross Human Anatomy Laboratory** **Credit 1 hour**
Gross human anatomy laboratory uses donor bodies. Must be taken concurrently with BIOL 240 and BIOL 340. Pre-requisite: BIOL 225 Cellular Biology and must be taken concurrently with BIOL 240 or BIOL 340. Cross-Listed with BIOL 240L.
- BIOL 341 Microbiology** **Credit 3 hours**
Study of bacteria, molds, yeasts, algae, protozoa, viruses, and rickettsias. Must be taken concurrently with BIOL 341L. Pre-requisite: BIOL 225.
- BIOL 341L Microbiology Laboratory** **Credit 1 hour**
Laboratory experience in techniques for microbe identification. Must be taken concurrently with BIOL 341.
- BIOL 342 Human Physiology** **Credit 3 hours**
The detailed human physiology of each organ system of the body is discussed at an advanced level. BioPac computer laboratory equipment and donor bodies are used. Must be taken concurrently with BIOL 342L. Pre-requisites: BIOL 225 and BIOL 340/340L or consent of the instructor. Cross-listed with BIOL 242L.
- BIOL 342L Human Physiology Laboratory** **Credit 1 hour**
Laboratory experience in physiology of human systems, using technology and donor bodies. Must be taken concurrently with BIOL 242 and BIOL 342. Pre-requisite: BIOL 240 and BIOL 240L or BIOL 340 and BIOL 340L.

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- BIOL 343 Parasitology** **Credit 2 hours**
Taxonomy, morphology, physiology, life history, and control of the parasitic protozoans, helminthes, and arthropods. Must be taken concurrently with BIOL 343L. Pre-requisites: 139/139L and BIOL 225.
- BIOL 343L Parasitology Laboratory** **Credit 1 hour**
Laboratory experience in identifying and understanding parasites of living systems. Must be taken concurrently with BIOL 343.
- BIOL 350 Field Biology** **Credit 1-6 hours**
Two to five week field course offered between semesters, spring break, or during the summer. One hour of credit may be earned for each week of full time participation. Itinerary for each class will be announced several weeks prior to registration. Fees in addition to tuition will be charged. Early registration required.
- BIOL 390 Internship in Biology** **Credit 1-12 hours**
Practical experience as a biologist in government, business, or industry. Open to upper division students majoring in the area of biology. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- BIOL 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of instructor, Dean of Curriculum and Graduate Studies and Academic Vice President is required.
- BIOL 401 Ornithology** **Credit 2 hours**
Biology of birds, including their classification, anatomy, physiology, life history, behavior, ecology, and identification with emphasis on local species. Must be taken concurrently with BIOL 401L.
- BIOL 401L Ornithology Laboratory** **Credit 1 hour**
Laboratory and field experience in anatomy, behavior, and identification of birds. Must be taken concurrently with BIOL 401.
- BIOL 404 Anatomy and Physiology Mentor** **Credit 2 hours**
Students will assist BIOL 231L, Anatomy and Physiology Lab instructor in the preparation and delivery of laboratory instruction using anatomical specimens and physiological simulations and conduct additional optional "open-lab" study sessions. Concurrent enrollment in BIOL 422 required. Written permission of instructor is required.
- BIOL 405 Human Anatomy Mentor** **Credit 2 hours**
Students will assist BIOL 340L, Human Anatomy Lab instructor in the preparation and delivery of laboratory instruction using anatomical specimens and conduct additional optional "open-lab" study sessions. Concurrent enrollment in BIOL 422 required. Written permission of instructor is required.
- BIOL 406 Human Physiology Mentor** **Credit 2 hours**
Students will assist BIOL 342L, Human Physiology Lab instructor in the preparation and delivery of laboratory instruction using live physiologic experimentation and computer simulations and conduct additional occasional "open-lab" study sessions. Pre-requisite: BIOL 422. Written permission of instructor is required.
- BIOL 409 Senior Biology Research** **Credit 1-3 hours**
Original investigation in biology under a faculty member's supervision and guidance. A public presentation of results will occur. May be repeated up to four times, for no more than 6 credits total. Written permission of instructor is required.
- BIOL 410 Biology Seminar II** **Credit 1 hour**
Each student will select a topic with approval by the biology faculty. The student will complete original research or literature review on the topic and report by a written research report, and a verbal presentation with audiovisuals. May be repeated but only one hour applies to major. Requirements: Senior Status, Biology Major or junior status, Health Sciences Major. Pre-requisite: BIOL 311.

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- BIOL 422 Advanced Human Anatomy** **Credit 1 hours**
The advanced study of human anatomy through human gross dissection, histological analysis and clinical anatomy of each system of the body. Pre-requisites: C or better in BIOL 340/340L and BIOL 342/342L and written permission by the course instructor.
- BIOL 426 Wildlife Research and Management Techniques** **Credit 3 hours**
Field and laboratory techniques for studying, evaluating, and managing wildlife and their habitats are described and demonstrated. Field trips required. Cross listed as AGRI 426. Pre-requisite: BIOL/AGRI 235 required; BIOL/AGRI 325 recommended.
- BIOL 427 Biology of Populations** **Credit 3 hours**
Population ecology and the genetic processes of adaptation and evolution. Lectures and class discussion of current literature, plus application of concepts in a literature review paper is required. Pre-requisites: BIOL 332 and BIOL 336/336L or equivalent.
- BIOL 429 Aquatic Microbiology** **Credit 3 hours**
The detection and study of bacteria in streams, lakes, wells, etc. and a basic review of water-borne viruses that are of public health significance. Oral and written presentations, laboratory and field trips required. BIOL 341 highly recommended prior to taking this course.
- BIOL 430 Immunology** **Credit 3 hours**
Function of the human immune system including the structure and function of bone marrow, blood cells, and lymphatic tissue. Pre-requisites: BIOL 341/341L.
- BIOL 431 Entomology** **Credit 2 hours**
Taxonomy, morphology, physiology, life history, behavior, ecology, and economic importance of insects. Lecture, laboratory and field trips. Must be taken concurrently with BIOL 431L. Pre-requisites: BIOL 139/139L and BIOL 239/239L.
- BIOL 431L Entomology Laboratory** **Credit 1 hour**
Laboratory and field experience in insect morphology and taxonomy. Must be taken concurrently with BIOL 431.
- BIOL 432 Developmental Biology** **Credit 2 hours**
Molecular and cellular aspects of development, including the regulation and expression of the genome during development, fertilization, cleavage, gastrulation, morphogenesis, and organogenesis. Must be taken concurrently with BIOL 432L. Pre-requisites: BIOL 332.
- BIOL 432L Developmental Biology Laboratory** **Credit 1 hour**
Laboratory experience in vertebrate embryology and morphological development. Must be taken concurrently with BIOL 432.
- BIOL 433 Human Biomechanics** **Credit 2 hours**
Utilization of anatomy, physiology, biochemistry, and physics in the study of human movement, with emphasis on biomechanics, control and integration of muscle groups in maintaining posture and producing complicated movements, bioenergetics, adaptation of the body to stress and exercise, and training regimens. Must be taken concurrently with BIOL 433L. Pre-requisites: BIOL 342/342L and PHYS 241/241L.
- BIOL 433L Human Biomechanics Laboratory** **Credit 1 hour**
Laboratory experience in human movement. Technology and donor bodies will be used. Must be taken concurrently with BIOL 433.
- BIOL 435 Mammalogy** **Credit 2 hours**
Systematics, life history, physiology, and behavior of mammals. Must be taken concurrently with BIOL 435L. Field trips required. Pre-requisites: BIOL 336/336L.
- BIOL 435L Mammalogy Laboratory** **Credit 1 hour**
Laboratory experience in mammal structure and function. Must be taken concurrently with BIOL 435.

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- BIOL 436A Microscopy Theory** **Credit 1 hour**
Microscopic principles and techniques focusing on the use of microscopes in scientific inquiry and diagnosis. Includes light and optic theory, specimen preparation, image collection and interpretation, and types of research microscopes. Recommend taking with BIOL 436B. Pre-requisites: 12 hours of Biology/Geoscience credit, or approval of the instructor. Cross-listed as GEOS 426A.
- BIOL 436B Introduction to Scientific Research** **Credit 2 hours**
Scientific research methodology, including development of testable hypotheses, research design, data analysis introduction, grant proposal writing, and writing research papers. Recommend taking with BIOL 436A. Pre-requisite: 12 hours of Biology/Geoscience Credit, or approval of the instructor. Cross-listed as GEOS 426B.
- BIOL 437 Wildlife Management Practicum** **Credit 3 hours**
A seminar style course that will bring together wildlife professionals, natural resource managers, livestock producers, environmentalists and others interested in wildlife management. Participants will describe, discuss, and debate existing programs and issues on private and public lands. Field trips required. Cross-listed as AGRI 435. Pre-requisite: BIOL/AGRI 235 and BIOL/AGRI 426 required; BIOL/AGRI 325 recommended.
- BIOL 438 Taxonomy of Plants** **Credit 2 hours**
The taxonomy of vascular plants with emphasis on the local flora, agriculturally important plants, and range plants. Field trips required. Must be taken concurrently with BIOL 438L. Pre-requisite: BIOL 138/138L or equivalent.
- BIOL 438L Taxonomy of Plants Laboratory** **Credit 1 hour**
Laboratory experience in plant phylogeny and identification. Must be taken concurrently with BIOL 438.
- BIOL 439 Plant Physiology** **Credit 2 hours**
Physiological and developmental processes occurring in cells, tissues, and organs of plants, with emphasis on hormonal, environmental and other control mechanisms of plant behavior and development. Must be taken concurrently with BIOL 439L. Pre-requisite: BIOL 138/138L or AGRI 141, and either CHEM 131/131L or 140/140L.
- BIOL 439L Plant Physiology Laboratory** **Credit 1 hour**
Laboratory experience in plant structure and function, with an emphasis on applied plant biochemistry. Must be taken concurrently with BIOL 439.
- BIOL 440 Topics in Biology** **Credit 1-3 hours**
Designed to meet the needs of students desiring knowledge in areas of biology not covered in another biology course. Study topics and credit will be arranged to meet the needs of the students. Laboratory work, field work, and extra fees may be required. Can be repeated with a change in emphasis for a total of six hours of credit.
- BIOL 444 Limnology** **Credit 2 hours**
Biological, chemical and physical studies of inland surface waters. Must be taken concurrently with BIOL 444L. Field trips required. Pre-requisite: 12 hours of Biology excluding BIOL 136/136L.
- BIOL 444L Limnology Laboratory** **Credit 1 hour**
Laboratory and field experience in freshwater systems. Must be taken concurrently with BIOL 444.
- BIOL 446 Regional Flora** **Credit 3 hours**
The plants and plant communities of the region. Workshop format for majors and non-majors. Field trips required.
- BIOL 448 Ethnobotany** **Credit 2 hours**
Plants useful or harmful to man, their origins and history, botanical relationships, chemical constituents which make them economically important, roles in prehistoric and modern cultures and civilizations, and the potential of the plant kingdom for new economically important species. Must be taken concurrently with BIOL 448L. Field trips required.
- BIOL 448L Ethnobotany Laboratory** **Credit 1 hour**
Laboratory experience in plant-human interactions. Must be taken concurrently with BIOL 448.

BIOL 449 Molecular Biology of the Cell **Credit 3 hours**
In-depth analysis of eukaryotic cellular biology, including cell-cell communication, signal transduction, apoptosis, control of cell cycle, and other advanced topics (cancer, gene therapy, prokaryotic cells, viruses). Pre-requisites: BIOL 332, 341/341L, and either CHEM 231/231L or CHEM 333/333L.

BIOL 450 Field Limnology **Credit 3 hours**
Lecture and field methods for studying the biological, chemical, and physical processes in lakes and streams. Includes an extended field trip to Yellowstone National Park or other areas. Fees in addition to tuition will be charged. Early registration required. Pre-requisite: one year of college-level science.

BIOL 456 Pathogenic Microbiology **Credit 2 hours**
Major communicable diseases of humans caused by bacteria, fungi, and viruses. Global and regional impact, host-parasite relationships, morphology and physiology, diagnostic techniques used in isolation and identification, treatment, prevention, and modes of transmission are discussed. Field trips required. Must be taken concurrently with BIOL 456L. Pre-requisites: BIOL 341/341L or equivalent.

BIOL 456L Pathogenic Microbiology Laboratory **Credit 1 hour**
Laboratory experience in isolation and clinical identification of pathogenic microbes. Must be taken concurrently with BIOL 456.

BIOL 458 Evolution **Credit 3 hours**
Study of the fundamental theory of evolution, including phylogeny and earth history, macro-evolutionary patterns, micro-evolutionary processes, and synthesis. Pre-requisites: BIOL 332 or instructor permission.

BUSINESS ADMINISTRATION

BA 160 Topics in Business **Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in business.

BA 241 Quantitative Methods **Credit 3 hours**
Business and economic concepts, techniques, models, analysis, and applications with emphasis on quantitative measurements for resource utilization, production, processing, marketing, and management. Pre-requisite: Department's Mathematics Requirement or equivalent.

BA 331 Business Communications **Credit 3 hours**
Designed to assist students in acquiring the knowledge and skill necessary for effective communication through both the spoken and written word. Grammar, letter writing, formal and informal report writing, and the job application process.

BA 336 Business and Economic Statistics **Credit 3 hours**
Statistical analysis of business and economic data used in business and how this analysis aids in making sound business decisions.

BA 337 Business Law **Credit 3 hours**
Introductory business law including the legal and social environment of business, consumer protection, contracts, personal property and bailments, and sales and leases of personal property.

BA 390 Internship in Business **Credit 1-12 hours**
Provides practical work experience in business. Interested students should contact the Internship & Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

BA 400 Independent Study or Research **Credit 1-3 hours**
Research in an area of special interest or need. The topic and the amount of work required are determined by the number of credit hours. Permission of Instructor, Department Chair, and Dean are required prior to registration.

BA 431 Professional Ethics **Credit 3 hours**
Philosophical moral theories and rules or standards governing the conduct of the members of a profession. Comprises principles, standards, and social, economic, legal, political, ethical, and philanthropic responsibilities that guide behavior in society. An application of ethical theories in solving professional ethics issues.

BA 432 Legal Aspects of Business Ownership **Credit 3 hours**
Business law covering negotiable commercial paper, debtor-creditor relations and risk management, agency and employment, business organizations and real property and estates.

BA 460 Topics in Business **Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in business.

BUSINESS INFORMATION SYSTEMS

BIS 160 Topics in BIS **Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

BIS 200 Introduction to Computer Applications **Credit 3 hours**
Development of proper techniques in word processing, organizing and maintaining data in a spreadsheet, creating and managing a database, and producing professional presentations using current software applications. A practical hands-on application of various information processing tools is utilized to develop organizational decision making skills.

BIS 230 Web Page Development **Credit 3 hours**
Provides a foundation for establishing and maintaining a web site; specifically, creating, designing, and publishing content on the Web. Current Web programming languages will be covered. Topics include web development, debugging, version control, and introductory web site administration. In addition, dynamically generated web sites and database-driven web sites are discussed.

BIS 231 Principles of Information Systems **Credit 3 hours**
Information systems concepts and principles applied to business uses of technology. Conceptual areas include: fundamentals of information systems, data resource management, telecommunications and networks, ebusiness, ecommerce, decision support systems, information technology management, developing business and information technology solutions, security, and ethical challenges.

BIS 235 Business Programming **Credit 3 hours**
Provides the concepts and skills necessary to design and develop web-based database applications; specifically building a working database application and a client application to serve the information needs of an enterprise. Prerequisites: BIS 230

BIS 331 Database Management **Credit 3 hours**
Introduction to the design and use of databases in meeting business information needs. Topics include database planning, conceptual design, the relational data model, structured query language (SQL), and related concepts of enterprise-wide data management. The concepts are studied in part with projects involving the use of a current database management system.

BIS 332 Decision Support for Managers **Credit 3 hours**
This course is designed to educate managers in the process of becoming more effective and efficient problem solvers through integrating the use of spreadsheet modeling to support business decisions.

BIS 337 E-Commerce **Credit 3 hours**
Examines how modern organizations can leverage emerging technologies to create new opportunities for business success. Topics include an introduction to the concepts of electronic commerce as facilitated by the Internet, World Wide Web, and related technologies; a thorough understanding of information technology elements that create the building blocks of electronic commerce, and the identification, use and management of emerging technologies.

BIS 430 Project Management**Credit 3 hours**

Introduces the basic principles of modern project management, the project planning processes, and knowledge areas. Attention will be given to how projects contribute to the strategic goals of the organization and the process of selecting projects that best support the strategy of a particular organization.

BIS 431 Systems Analysis and Design**Credit 3 hours**

An understanding of the phases of the Systems Development Life Cycle (SDLC), including techniques to investigate system problems, determine requirements, identify possible solutions, perform feasibility studies and cost analysis, and oversee the development of a new system or the reengineering of an existing system. An understanding of the human and technical factors in the analysis and design of information systems will also be addressed.

BIS 460 Topics in BIS**Credit 1-3 hours**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

ESSENTIAL STUDIES CAPSTONE

CAP 469A How to Save the Rain Forest**Credit 6 hours**

This course will examine the scientific, social, economic, political and ethnic dimensions of efforts to create the conditions for environmental sustainability in the world's rainforests and other areas impacted by development. Students will learn through collaborative, interdisciplinary research projects. They will engage in problem-based learning and experiential learning. The experiential component will involve a field trip to Costa Rica. After returning from Costa Rica, students will conduct a major research project on some impacted ecosystem - perhaps the rain forest or somewhere closer to home.

CAP 469B Cuba Libré**Credit 6 hours**

This course analyzes Modern Cuba. Using an Interdisciplinary approach, the course will investigate the historical path to the revolution of 1959, the literary and artistic aspects of Cuban society pre and post revolution, the position of Cuba in the larger world (with special emphasis on the US-Cuban relationship) and asks problem-based queries of internal Cuban society as well as interrogations of its regional and International role. This course highlights the experiential study abroad component and requires an interdisciplinary, collaborative engagement related to Modern Cuba resulting from CSC classroom participation, experiences during the trip and post-trip analysis and reflection.

CAP 469C Great Plains**Credit 6 hours**

Using the Great Plains as a backdrop and conceptual framework, students will produce a creative or scholarly work that addresses a significant issue relevant to the region and which integrates their essential studies skills, knowledge and abilities within that exploration.

CAP 469D Weight of the Nation**Credit 6 hours**

This course investigates the nature, content and effects of healthy lifestyle living. The course takes a practical approach focusing on information gained through research, speakers, and lab studies which will supplement the course-work and required readings. A variety of learning methods will be employed in this course to examine how healthy living lifestyle can effectively be applied for improved healthy living and sustainability.

CAP 469F Talking Heads**Credit 6 hours**

This course analyzes the scientific, historical, political and cultural context of current events in four areas: medicine, environment, government politics and a fourth category decided by the class. Using an interdisciplinary approach, students will investigate current events selected by the class within a topic area and investigate the science, historical, political and cultural context of the issues. They will then express the information uncovered by their inquiry in three forms, a YouTube video, an opinion player, and a debate.

CAP 469G Social Media and Democratization**Credit 6 hours**

Students will study the use of the “new media” in social movements with a focus on democratization in non-Western societies. Media topics include the forms and uses of various types of digital media, including blogs, websites, and social media. To apply the information and ideas learned in the course, students will engage in an interdisciplinary and collaborative project that demonstrates substantial learning about the course topics, and integrates and applies critical inquiry skills acquired throughout their Essential Studies program.

CAREER AND TECHNICAL EDUCATION

CTE 390 Internship in Career and Technical Education**Credit 1-12 hours**

Provides practical work experience in an agency related to career and technical education. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

CTE 400 Independent Study or Research**Credit 1-3 hours**

The problem selected and the amount of work in its solution determine the number of credit hours. May be repeated for up to six hours credit. Pre-requisite: Consent of advisor.

CTE 431 Introduction to Special Needs Programs in Career and Technical Education**Credit 3 hours**

Designed to help high school career and technical education teachers, special education teachers, and others determine the work based and school based needs of learners identified as special populations. The course includes transition to work curriculum and program plans.

CTE 434 Principles & Philosophy of Career and Technical Education**Credit 3 hours**

The principles, philosophy, and history of career and technical education are presented in this course.

CTE 435 Adult Education**Credit 3 hours**

Study of the adult learner, adult learning theory, and the adult programming.

CTE 437 Occupational Analysis**Credit 3 hours**

Study of the standard occupational analysis systems and practice in applying these systems to occupations and activities for determining content in curriculum development.

CTE 438 Coordination Techniques/Work-Based Learning**Credit 3 hours**

Foundation and scope of current and projected career and technical cooperative education programs and general studies work experience. Emphasis on coordination techniques, selection and placement, instructional procedures, youth leadership activities, organization and administration, and evaluation of cooperative occupational education.

CTE 440 Topics in Career and Technical Education**Credit 1-6 hours**

Contemporary topics within career and technical education.

CTE 441 Improvement of Instruction**Credit 3 hours**

Study of curriculum development, instructional models, integration of academic and occupational programs, and utilization of technologies in instruction.

CTE 452 Program Development, Implementation and Assessment**Credit 3 hours**

A course that studies the development, implementation, and assessment of programs within an organization. The course examines the leadership necessary to accomplish the goals and mission of the organization's programs.

CHEMISTRY

CHEM 121 Introductory Chemistry**Credit 3 hours**

Fundamental principles of chemistry and the application of chemical principles to health, environment, and society. Required of students who have not taken high school chemistry who plan to enroll in CHEM 131 or CHEM 140. Appropriate for Essential Studies Physical Science elective.

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- CHEM 131 College Chemistry I** **Credit 3 hours**
Principles and applications of general college chemistry. Concurrent enrollment in CHEM 131L is required. Enrollment in this course assumes competencies in math and chemistry equivalent to those accrued in high school algebra or Math 142, and high school chemistry or CHEM 121. An ACT Math Section score of 22 or higher is recommended.
- CHEM 131L College Chemistry I Laboratory** **Credit 1 hour**
Laboratory experience in basic chemical concepts, including concentrations, reaction mechanisms, molecular structure and spectroscopy. Concurrent enrollment in CHEM 131 required.
- CHEM 132 College Chemistry II** **Credit 3 hours**
Continuation of College Chemistry I with qualitative analysis. Concurrent enrollment in CHEM 132L required. Pre-requisite: CHEM 131/131L.
- CHEM 132L College Chemistry II Laboratory** **Credit 1 hour**
Laboratory experience in qualitative chemical analysis. Concurrent enrollment in CHEM 132 required.
- CHEM 140 Survey of Chemistry** **Credit 3 hours**
Survey of chemistry principles and applications for students requiring a one semester freshman chemistry course. Does not duplicate CHEM 131 and is not a Pre-requisite for CHEM 132. Concurrent enrollment in CHEM 140L required. Pre-requisite: Enrollment in this course assumes competencies in math and chemistry equivalent to those accrued in high school algebra or Math 142, and high school chemistry or CHEM 121. An ACT Math Section score of 22 or higher is recommended.
- CHEM 140L Survey of Chemistry Laboratory** **Credit 1 hour**
Laboratory experiences in basic chemical processes and mechanisms. Accompanies CHEM 140. Basic chemistry laboratory operations. Concurrent enrollment in CHEM 140 required.
- CHEM 231 Survey of Organic Chemistry** **Credit 3 hours**
Survey of organic chemistry principles and applications for students requiring one semester of Organic Chemistry. The nomenclature, structure, physical and chemical properties and reactions of the principle families of organic compounds is covered. Carbohydrates, lipids, enzymes, amino acids and protein synthesis is also covered at an introductory level. Pre-requisite: CHEM 132/132L or CHEM 140/140L. Concurrent enrollment in CHEM 231L required.
- CHEM 231L Survey of Organic Chemistry Laboratory** **Credit 1 hour**
Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy. Concurrent enrollment in CHEM 231 required.
- CHEM 270 Topics in Chemistry** **Credit 1-3 hours**
Special topics in chemistry appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- CHEM 310 Capstone I: Research Seminar** **Credit 1 hour**
The student will choose a topic for research and conduct a literature survey of that topic. Preliminary results and a plan for conducting further independent research on the topic will be presented in oral and written form during the semester. Normally taken during the student's junior year.
- CHEM 314 Biotechnology** **Credit 3 hours**
Hands-on procedures with discussions and readings to provide theoretical understanding and historical background of biotechnology work. Pre-requisite or co-requisite: BIOL 332 or consent of instructor.
- CHEM 320 Supervised Study in Laboratory and Field Methods** **Credit 1-2 hours**
Students will prepare, supervise, and evaluate laboratory exercises under the direction of faculty members. Designed to give students practical experience teaching in the laboratory setting. Sophomore or higher status required.

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- CHEM 333 Organic Chemistry I** **Credit 3 hours**
Nomenclature, reactions, multi-step synthesis, stereochemistry, mechanisms, and spectroscopy of organic compounds. Pre-requisite: CHEM 132/132L. Concurrent enrollment in CHEM 333L required.
- CHEM 333L Organic Chemistry I Laboratory** **Credit 1 hour**
Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy. Concurrent enrollment in CHEM 333 required.
- CHEM 334 Organic Chemistry II** **Credit 3 hours**
A continuation of Organic Chemistry I. Concurrent enrollment in CHEM 334L required. Pre-requisite: CHEM 333/333L.
- CHEM 334L Organic Chemistry II Laboratory** **Credit 1 hour**
A continuation of Organic Chemistry I laboratory. Concurrent enrollment in CHEM 334 required.
- CHEM 335 Biochemistry I** **Credit 3 hours**
Components and reactions of living matter. Topics include metabolism of major macromolecules including carbohydrates, lipids, proteins, and nucleic acids. Enzyme function and regulation will be studied. Concurrent enrollment in CHEM 335L recommended. Pre-requisite: CHEM 231/231L or CHEM 333/333L.
- CHEM 335L Biochemistry I Laboratory** **Credit 1 hour**
Laboratory experience in purification, quantitation, and characterization of biological molecules. Pre-requisite: CHEM 335 or concurrent enrollment in CHEM 335.
- CHEM 341 Quantitative Analysis** **Credit 3 hours**
Principles of modern analytical chemistry. Must be taken concurrently with CHEM 341L. Pre-requisite: CHEM 132/132L.
- CHEM 341L Quantitative Analysis Laboratory** **Credit 1 hour**
Laboratory experience in quantitative analysis. Must be taken concurrently with CHEM 341.
- CHEM 342 Instrumental Analysis** **Credit 3 hours**
Emphasis on instrumental and radioisotopic analysis. Must be taken concurrently with CHEM 342L. Pre-requisite: CHEM 132/132L, or consent of instructor.
- CHEM 342L Instrumental Analysis Laboratory** **Credit 1 hour**
Laboratory experience involving the use of quantitative instrumentation. Must be taken concurrently with CHEM 342.
- CHEM 390 Internship in Chemistry** **Credit 1-12 hours**
Provides practical experience as a chemist in government, business, or industry. Open to upper division students majoring the area of chemistry. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- CHEM 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of instructor, Dean of Curriculum and Graduate Studies and Academic Vice President is required.
- CHEM 401 Capstone II: Senior Research** **Credit 1 hour**
Independent research projects based on the results presented in CHEM 310. Data collection, analysis, and presentation of scientific papers. Taken during the student's Junior or Senior year. May be repeated for a total of up to six hours of credit. Pre-requisite: CHEM 310.

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- CHEM 410 Capstone III: Senior Research Thesis** **Credit 1 hour**
Research thesis is completed and presented at the Nebraska Academy of Sciences or other regional or national scientific forum approved by the faculty. Required field trip in late April. Normally taken during the student's senior year. Pre-requisite: CHEM 401.
- CHEM 417 Topics in Chemistry** **Credit 1-3 hours**
Designed to meet the needs of students in a special area of interest. May be repeated for up to 6 hours.
- CHEM 430 Inorganic Chemistry** **Credit 3 hours**
Advanced principles of inorganic chemistry. Pre-requisite: CHEM 132/132L
- CHEM 433 Environmental Chemistry** **Credit 3 hours**
Chemical processes that influence the environment, including processes which affect the quality and use of land, water, and atmosphere. Focuses on topics of current concern. Concurrent enrollment in CHEM 433L recommended. Pre-requisite: CHEM 132/132L or CHEM 140/140L.
- CHEM 433L Environmental Chemistry Laboratory** **Credit 1 hour**
Laboratory experience in environmental chemical analysis. Pre-requisite: CHEM 433 or concurrent enrollment in CHEM 433.
- CHEM 444 Physical Chemistry** **Credit 3 hours**
Fundamental principles of thermodynamics, kinetics, and quantum mechanics as related to chemical concepts. Concurrent enrollment in CHEM 444L recommended. Pre-requisites: CHEM 132/132L, and either MATH 138 or MATH 151.
- CHEM 444L Physical Chemistry Laboratory** **Credit 1 hour**
Laboratory experience. Pre-requisite: CHEM 444 or concurrent enrollment in CHEM 444.
- CHEM 464 Physical Chemistry II** **Credit 3 hours**
Fundamental principles of kinetics, and quantum mechanics as related to chemical concepts. Pre-requisites: CHEM 444/444L and MATH 151 or instructor approval.

COLLEGE

- COLG 121 The Academic Life** **Credit 3 hours**
The Academic Life is designed to assist students in acclimating to the expectations of college academics and culture. The overall objective of the course is to provide a classroom environment that promotes student success in academics and life. A broad variety of topics relating to student engagement and achievement are covered.

COMMUNICATION ARTS

- CA 125 Fundamentals of Oral Communication** **Credit 3 hours**
Develops understanding and skills necessary for effective oral communication. Activities will include public speaking, group discussion, interviewing, and interpersonal communication.
- CA 130 Interpersonal Communication** **Credit 3 hours**
Study of the dynamics of interpersonal communication in one-to-one relationships through experiential exercises and selected readings. Designed to improve students' interpersonal communication skills and enhance knowledge about the importance of communication in interpersonal settings.
- CA 133 Media Writing** **Credit 3 hours**
A study of various techniques of media writings intended to familiarize students on why and how media utilize those techniques. Writing techniques for Journalism, radio, television, and online, will be addressed.

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- CA 144 Oral Interpretation and Performance Studies** **Credit 3 hours**
Introduction to the performance of literature and personal narratives. Theory and application in literary analysis, presentation modern, and criticism. Study of how performance is used as an aspect of and research tool for the study of every-day communication.
- CA 160 Topics in Communications** **Credit 1-3 hours**
Special Topics in Communications. May be repeated with a change in emphasis.
- CA 225 Communicating in Groups and Teams** **Credit 3 hours**
Theory and practice of group and teamwork which occur in a variety of settings.
- CA 231 Introduction to Digital Publishing** **Credit 3 hours**
Electronic publishing techniques emphasizing actual preparation of advertisements, brochures, newsletters, and programs. Topics covered based on selected DTP computer hardware configurations and software applications for layout, graphics, text-formatting, digital imagery, web and print design.
- CA 233 Presentational Speaking** **Credit 3 hours**
Practice in delivering persuasive, informative, impromptu, special occasion, and seminar-style speeches. Students will be expected to write speeches and utilize technology in their delivery.
- CA 234 Photojournalism** **Credit 3 hours**
Techniques and practical application of basic digital photography skills. Lecture and laboratory time include planning and shooting story-telling photographs, cropping, enlarging, and printing photographs, writing outlines for newspapers or other publications.
- CA 238 Introduction to Mass Media** **Credit 3 hours**
A study of print and non-print media and their application to public communications. Field trips may be required.
- CA 239 Event Planning and Leadership** **Credit 3 hours**
This course will provide an overture to event planning and leadership. Moreover, this course will explore event-planning aspects such as: marketing, leadership, financial administration, and effective research evaluation.
- CA 250 Introduction to Public Relations: Principles, Processes and Practices** **Credit 3 hours**
An overview of the history, theory, ethics and practices in the American public relations profession. It provides a critical thinking framework for understanding organizational practice with diverse settings, media relations, image and identity management, target audiences and public opinion.
- CA 260 Introduction to Communication Theory** **Credit 3 hours**
Examination of the origins, development, and uses of communication theories as they apply to communication dynamics.
- CA 330 Conflict Resolution and Mediation** **Credit 3 hours**
Examination of the nature, myths, theories, and strategies of conflict management and resolution. Mediation styles and strategies will be practiced in small group settings. Includes speaking activities as well as analysis of argumentation in interpersonal, public, and organizational settings.
- CA 333 News Journalism** **Credit 3 hours**
The principles of news and feature writing in conjunction with publication of THE EAGLE, the student newspaper.
- CA 334 Theories and Practices of Persuasion** **Credit 3 hours**
Current studies in persuasive theory and practices in persuasion. May include study of political, mediated, and interpersonal communication. Students will be expected to analyze and critique persuasive messages from varied sources.
- CA 335 Media Advertising** **Credit 3 hours**
An overview of the fundamentals of copywriting for advertising in mass communication covering print and electronic media. The practice of advertising audience direction, appeals, strategy and structure will be included.

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- CA 346 Intercultural Communication** **Credit 3 hours**
Practical and theoretical aspects of intercultural communication as applied toward diversity issues and minority groups inside and outside the United States. A special focus on application to interpersonal and organizational communication.
- CA 350 Applied Public Relations: Concepts and Practices - Intermediate Studies in PR** **Credit 3 hours**
Theory and practice of producing public relations and publicity tools for the traditional and digital media. It emphasizes problem solving and critical thinking for professional practice in the development and use of campaigns for personal, institutional, and organizational outcomes and activities. It includes writing, design and production techniques.
- CA 351 Organizational Communication** **Credit 3 hours**
The nature and flow of communication in modern organizations (such as businesses, political structures, hospitals, etc.) through applied theory, diagnosis, and problem solving skills. Examination of communication between management, employees, and the community. Students will be expected to analyze communication environments and present communication findings to the class.
- CA 353 Health Communication** **Credit 3 hours**
Communication theory, research, and applications in health care, health promotion, and wellness industries. Variables influencing communication between and within health care providers and consumers are examined.
- CA 390 Internship in Communication** **Credit 1 - 12 hours**
Provides practical experience in a field related to Communication Arts. Interested students should contact the Internship and Career Services office to secure application materials. Dean of the School of Arts and Sciences, Department Chairperson, and the student's major advisor must approve program prior to semester of internship. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- CA 391 Internship in Journalism** **Credit 1-12 hours**
Provides practical work experience program on the staff of a mass media outlet. Dean of the School of Arts and Sciences, Department Chairperson, and student's major advisor must approve program prior to semester of internship. Application must be submitted to the Director of Internships at least 30 days prior to semester of internship. Open to upper division students with previous course credit in journalism. Selection of interns based upon availability of work positions and the qualifications of the applicants.
- CA 400 Independent Study/Research** **Credit 1 - 3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of Instructor, Dean and Academic Vice President is required.
- CA 420 Relational and Family Communication** **Credit 3 hours**
Advanced interpersonal course to explore current interpersonal research in modern family relationship situations. In-depth exploration of intimate communication, parent-child communication, child-child communication, and extended family communication in the western tradition and inter-culturally.
- CA 430 Research Methods** **Credit 3 hours**
A review of research methods used in the discipline of Communication wherein students can gain an understanding of and practice in research design. Students will be exposed to both quantitative and qualitative methodologies.
- CA 431 Media Projects** **Credit 1-3 hours**
- a. Production work on the student newspaper, THE EAGLE. The student arranges for weekly lab work. May be repeated with a change of emphasis up to a maximum of nine (9) credit hours. Pre-requisite: CA 333 or permission of Instructor.
 - b. Production work on radio at Chadron State College.

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- CA 434 Editing and Design** **Credit 3 hours**
Principles of editing and designing publication with emphasis on newspapers, especially THE EAGLE. May be repeated with a change of emphasis up to a maximum of 9 credit hours. Pre-requisite: CA 333 or permission of Instructor.
- CA 435 Advanced Topics in Communications** **Credit 1 - 3 hours**
Special topics in communications. May be repeated with change of emphasis.
- CA 436 Seminar in Communication** **Credit 3 hours**
Designed to meet the specific needs of a group of students. May be repeated with a different topic. Admission by permission of Communication Arts faculty.
- CA 440 Gendered Communication** **Credit 3 hours**
Explores gender as a communication variable in settings ranging from interpersonal relationships, organizational settings, to public or mass communication.
- CA 442 Globalization, Culture and Media** **Credit 3 hours**
Explores how globalization of culture and communication was shaped and reshaped as results of economic, technological, political and cultural concerns of various global players. Although all the major theoretical approaches of globalization of communication will be explored, focus on global communication as an emerging, hybrid and contested global field and global media will be emphasized.
- CA 443 Media Law** **Credit 3 hours**
An overview of legal issues related to Journalism and other media outlets. Special emphasis on broadcast and print media, current interpretations of law, copyright and first amendment issues.
- CA 450 Communication Campaigns** **Credit 3 hours**
This course will discuss communications campaigns that influence us every day. Public relations, advertising, health and political campaigns will be examined throughout the semester. In addition, current campaign goals and outcomes will be analyzed and critiqued. Lastly students will plan, organize, and implement an actual communication campaign.

CRIMINAL JUSTICE

- CJ 231 Introduction to Criminal Justice** **Credit 3 hours**
A study of the structure, functions, and operations of the criminal justice system in the United States. This course provides an overview of the organization and decision-making processes of agencies that deal with the management and control of crime and criminal offenders – law enforcement, courts, and corrections.
- CJ 232 Introduction to Law Enforcement** **Credit 3 hours**
A study of the origins of policing, the nature of police work, and the issues, trends, and challenges facing modern policing. Pre-requisite: CJ 231.
- CJ 233 Law Enforcement Organization and Administration** **Credit 3 hours**
A study of the structure and functions of law enforcement organizations (city, county, state, and federal). Theories of leadership and organizational goals, efficiency, expectations, and employer/employee relationships will be explored. Pre-requisite: CJ 231.
- CJ 234 Correctional Casework and Practice** **Credit 3 hours**
A study of the role and techniques of casework in correctional settings. This course includes an introduction to behavior modification theories and methods, contemporary counseling methods, assessment and classification processes, and the development of interpersonal communication skills.

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- CJ 235 Fundamentals of Criminal Investigation Credit 3 hours**
A study of the theoretical and philosophical underpinnings necessary to understand the investigatory process. Particular emphasis is placed on the role of the first responder, chain of custody, crime scene evidence, and interaction with victims, witnesses, and potential perpetrators. Pre-requisite: CJ 231.
- CJ 236 Introduction to Corrections Credit 3 hours**
A study of the correctional system and its role in the criminal justice process. This course provides an overview of the historical development of crime and corrections, philosophical concepts and major developments, which have shaped corrections. Sentencing options, as well as community and institutional correctional programs, will be covered. Pre-requisite: CJ 231.
- CJ 238 Survey of Private Security Credit 3 hours**
Focuses on the increasing role private security plays in the field of crime prevention, detection, and investigation. Forms of private security including armed protective services, retail loss prevention, and security surveys, issues related to the manufacture, sale, installation, and effectiveness of a variety of security system application, including fire prevention, protection of trade secrets, perimeter security, and workplace safety will be explored.
- CJ 321 Police and Community Relations Credit 3 hours**
A study of the interdependence of the police and community in maintaining order and controlling crime. This course focuses on the historical and contemporary roles of policing in society, community attitudes toward police, and strategies for positive police-community relations. Pre-requisite: CJ 231 and 232.
- CJ 322 Juvenile Crime and Gangs Credit 3 hours**
A study of juvenile delinquency in the context of subcultures. This course will examine crime trends and patterns of delinquent behavior, as related to subcultures. Furthermore, this course will explore gang history and variations of gang practices by race, class, and gender. Policies and intervention strategies relevant to this type of crime are considered.
- CJ 323 Forensic Studies I Credit 3 hours**
A study of scientific theories and applications related to the collection, analysis, and interpretation of crime scene evidence. This course will include: dusting and lifting of fingerprints, chemical processing of fingerprints, 3D evidence, blood pattern recognition and blood spatter interpretation. Pre-requisite: CJ 231.
- CJ 331 Criminal Law Credit 3 hours**
A study of the general principles of criminal law and the specific elements of particular crimes. This course examines the sources of criminal law, the constitutional limitations on criminal law, the basic proof requirements for specific crimes, and the various defenses to criminal liability. Pre-requisite: CJ 231 or LS 231. Cross-listed as LS 331.
- CJ 332 Juvenile Delinquency Credit 3 hours**
A study of the history and concept of delinquency, the development of the juvenile justice system, nature and extent of delinquency, theoretical explanations of delinquency, and environmental influences of delinquency. Special topics covered include child abuse and neglect, school-based crime, gang control efforts, and the relationship between delinquency and drug abuse. Pre-requisite: CJ 231. Cross-listed as SOC 332.
- CJ 333 Judiciary and Constitutional Law Credit 3 hours**
A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation. Cross-listed as LS 333 and PS 333.
- CJ 334 Criminal Procedures Credit 3 hours**
A study of the rule of law in action. Students will examine procedural limitations in processing an individual through the criminal justice system with special emphasis on arrest, search and seizure, interrogation, identification and exclusion of evidence. Cross-listed as LS 334.

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- CJ 336 Multicultural Issues in CJ Credit 3 hours**
A study of theories and current research related to racial, ethnic, and gender discrimination within the American criminal justice system. This course examines the most recent research on patterns of criminal behavior and victimization, police practices, court processing and sentencing, the death penalty and correctional programs in a diverse society. Pre-requisite: CJ 231.
- CJ 337 Introduction to Law Credit 3 hours**
A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system, and considers the economic, social, and political implications as they influence the development of a rule of law. Historical and contemporary legal controversies will be examined. Cross-listed as LS 337 and PS 337.
- CJ 338 Community Based Corrections Credit 3 hours**
A study of the procedures, practices, and personnel involved in community-based corrections. This course examines the role of the community in the reintegration of offenders, with a focus on correctional programs designed to be administered in a community setting, such as probation, parole and intermediate sanctions. Pre-requisites: CJ 231 and CJ 236.
- CJ 339 Criminology Credit 3 hours**
A study of the nature and causes of criminal behavior. This course will analyze the crime causation ranging through biological, psychological, sociological, and cultural theories. This course will also evaluate the historical influences and thoughts which have led to criminology's development as a contemporary science. Cross-listed as SOC 339.
- CJ 390 Internship in Criminal Justice Credit 1-12 hours**
A student will gain practical experience in a criminal justice agency such as law enforcement, courts or corrections. Open to upper division students majoring in the area of criminal justice. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- CJ 400 Independent Study or Research Credit 1-3 hours**
Faculty-guided research in an area of mutual interest to the student and instructor. Students are responsible for selecting the area of inquiry prior to contacting the instructor. Pre-requisite: 15 hours of Criminal Justice and permission of Instructor, Dean and Academic Vice President.
- CJ 430 Topics in Corrections Credit 1-3 hours**
Topics selected to meet the needs of students in a special area of interest in corrections. Pre-requisite: CJ 236 or permission of Instructor.
- CJ 431 Institutional Corrections Credit 3 hours**
A study of the history and operation of jails and prisons in the United States. This course examines the history of incarceration, institutional programs and procedures, institutional subcultures, and the classification and supervision of incarcerated offenders. Pre-requisites: CJ 231 and CJ 236.
- CJ 432 Juvenile Law Credit 3 hours**
A study of the rights and duties of children, parents, and the state in both private and criminal arenas. This course examines the development of the legal status of children, constitutional rights of minors, the role of the state in relation to the family, state power to intervene in the lives of parents and children, and juvenile offenders in the justice system. Emphasis is placed on the juvenile justice process as it has developed in the United States. Cross-listed as LS 432.
- CJ 433 Rules of Evidence Credit 3 hours**
A study of evidence and the rules governing its use. This course examines what, how, and why certain objects or testimony should be admitted into, or excluded from, evidence in court. Topics include the problems of relevance, authentication, burdens of proof, presumptions, hearsay, opinion, and expert testimony. Pre-requisite: CJ 231 or LS 231. Cross-listed as LS 433.

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- CJ 434 Senior Seminar in CJ** **Credit 3 hours**
This capstone criminal justice course provides students with the opportunity to integrate and synthesize previous coursework in criminal justice. Drawing on the foundational and core courses, students will apply theory and knowledge to current problems in the justice system. Pre-requisite: Criminal Justice senior or permission of instructor.
- CJ 435 Drugs, Alcohol and Crime** **Credit 3 hours**
A study of the relationship of drugs and alcohol on the nature and incidence of crime with a focus on issues for police, courts, and corrections.
- CJ 436 Seminar: Comparative CJ** **Credit 3-6 hours**
A study and comparison of the world's major justice systems. This course compares the various elements of human culture as reflected in the major criminal justice systems of the world and procedures for social control of crime. Special attention is given to what constitutes a crime, the judicial processes for determining guilt, and theories and practices of punishment.
- CJ 437 Topics in Law Enforcement** **Credit 1-3 hours**
Topics selected to meet the needs of students in a special area of interest in law enforcement. Pre-requisite: CJ 232 or permission of Instructor.
- CJ 438 Topics in Law** **Credit 1-3 hours**
Topics selected to meet the needs of students in a special area of interest in law. Pre-requisite: CJ 337 or LS 337, or permission of Instructor. Cross-listed as LS 438.
- CJ 439 Juvenile Corrections** **Credit 3 hours**
Identifies and explores the components of the juvenile correctional system and their philosophy, functions, and goals. The history and development of methods for responding to juvenile offenders will be covered, including intervention and treatment methods as well as correctional programs and facilities.
- CJ 440 Topics in Juvenile Justice** **Credit 1-3 hours**
Topics selected to meet the needs of students in a special area of interest in juvenile justice.
- CJ 441 Ethical Issues in Criminal Justice** **Credit 3 hours**
A study of the ethical philosophies and issues pertaining to the various professions in the criminal justice system. Through the use of case studies, students will evaluate ethical dilemmas encountered in both the administration of justice and the ethical dilemmas faced by its professional practitioners.
- CJ 442 Honors in Criminal Justice** **Credit 1-3 hours**
Selected courses and topics designed for upper division students with a grade point average of 3.25 in all course work. May be repeated up to a maximum of twelve (12) semester hours. Pre-requisite: Permission of Instructor. Cross-listed as LS 442.
- CJ 443 Correctional Law** **Credit 3 hours**
Examines major legal issues surrounding sentencing, incarceration, probation, parole, pardon, and related topics. Provides a general overview of the law relating to persons in prison, jail or within the corrections system. Also investigates how civil and criminal law affects facilities, community-based corrections, and personnel working in the correctional system. Cross-listed as LS 443.
- CJ 444 Forensic Studies II** **Credit 3 hours**
A study of two aspects of forensic investigation. This course will be applying various features and functions of the camera that are used to control and provide the proper exposure and other qualities expected by today's court system. Many practical experiences will be incorporated to demonstrate and inculcate the complexity of forensic photography. This course will also focus on the application of Linguistic Statement Analysis Technique (LSAT). This forensic technique is an advanced investigative technology that has been empirically tested for its effectiveness in detecting deception in spoken and written statements from victims, suspects and witnesses in all crimes. Pre-requisite: CJ 235 or 323.

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- CJ 445 Forensic Evidence** **Credit 3 hours**
Comprehensive understanding and analysis of legal, ethical, and practical issues involving forensic evidence in the courtroom with a special emphasis on scientific evidence and its admissibility. Special attention is given to emerging forensic evidence techniques and their use in the justice system specifically in civil and criminal trials.
- CJ 446 Cross Cultural Studies/Justice Studies** **Credit 3 hours**
A study of the cross cultural differences in crime and applications of criminal justice systems and practices. This course examines the impact of cultural factors (historical, religious, social, and political) on the formal institutions, laws and procedures for social control of crime. This course requires participation in a study abroad program.
- CJ 447 Applied Issues in Criminal Justice** **Credit 1-6 hours**
Projects, workshops, field experiences and seminars that focus on a specialized area in Criminal Justice. Permission of instructor is required.
- CJ 448 Professional Semester** **Credit 1-12 hours**
The student will attend a certified law enforcement training academy to obtain certification as a professional law enforcement officer. Admission to the professional semester requires completion of all requirements in the Criminal Justice major. Pre-requisites: Permission of Instructor and admission by a law enforcement training center.
- CJ 450 Topics in Forensic Studies** **Credit 1-3 hours**
Topics selected to meet the needs of students in a special area of forensic sciences. Pre-requisites: CJ 323 or 444, or permission of Instructor.

ECONOMICS

- ECON 130 Survey of Economics** **Credit 3 hours**
Basic micro-economic and macroeconomic theories and concepts. Oriented towards the study of households, firms, and governments within regional, domestic and global markets for goods and services and resources. Course involves variations (absolute and comparative) among regions, states and nations relative to resource-based economic systems, markets for goods and services, and measures of economics welfare.
- ECON 160 Topics in Economics** **Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in economics.
- ECON 231 Macroeconomics** **Credit 3 hours**
Economy in the aggregate including gross domestic product and its components, employment, inflation, business fluctuations, economic growth, global trade, monetary policy, fiscal policy, budget deficit, and public debt with primary application to the United States economy.
- ECON 232 Microeconomics** **Credit 3 hours**
Components with the economy devoted to households, firms, governments, markets for products and services, and markets for resources, in the context of domestic and global consumers, producers and governments. Analysis of supply and demand, pricing functions, and income distribution with application to United States economy.
- ECON 434 National Agricultural Policy** **Credit 3 hours**
The basics of agricultural production and marketing components within the domestic and global markets with the focus on the dynamics of the agricultural sector and economic system. Analysis focuses on traditional and current agricultural and economic policies within the context of positive and normative economics and a capstone course for agribusiness majors. Pre-requisites: Department's Mathematics Requirement; or consent of the instructor.
- ECON 460 Topics in Economics** **Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in economics.

EDUCATION

EDUC 100 Information Literacy

Credit 1 hour

Students will be able to recognize an information need, access that information in multiple formats, evaluate/authenticate the information, discern the ethical implication of the knowledge construction and organize the information in a compelling and bibliographical manner. Cross-listed as LMS 100.

EDUC 131 Introduction to Teaching

Credit 3 hours

Surveys the work of a teacher, the public school system, and the qualities necessary for success in the profession. Fundamental to all work in the Department of Education. Includes a required field experience.

EDUC 224 Multimedia Support of Instruction/Learning

Credit 2 hours

Operation of the various teaching machines commonly found in the schools, ranging from projection devices to copiers and computers. Creation of audio-visual materials such as bulletin boards, mobiles, slide presentations, etc. Computer use is addressed via a review of the basics of computer operation; use of common educational databases; and use of computers to facilitate instruction. Pre-requisite: EDUC 131, or by permission of instructor.

EDUC 231 Play, Art and Music for Early Childhood

Credit 3 hours

Develop coordinated programs in play, art, and music for preschool children as media for preschool growth, development and learning. Art and music are used as forms of play to teach developmental skills in the areas of math, social science, and language arts, as well as in developing skills in coordination, movement, rhythm, creative expressions, etc. Pre-requisite: FCS 139.

EDUC 232 Science, Math, and Social Science for Early Childhood

Credit 3 hours

Development of programs in science, math, and social science for preschool children utilizing a variety of instructional materials. Emphasis is placed upon the development of innate interests, vocabulary, concepts, and readiness skills through concrete experiences as well as play activities. Pre-requisite: FCS 139.

EDUC 233 Literature and Language Arts Program for Early Childhood

Credit 3 hours

Introduction to literature for preschool children using appropriate literature and language arts and activities to promote the development of language arts skills, with an emphasis on the development of reading readiness in preschool children. Pre-requisite: FCS 139.

EDUC 270 Special Topics

Credit 1-3 hours

Enables individuals to become aware of trends, issues, and requirements in the educational fields that are not covered in the upper division course work.

EDUC 300 Secondary Observation and Participation

Credit 1-3 hours

Classroom observation and participation in the secondary major areas of specialization and endorsement, with emphasis on active involvement in high school settings. One hour required of all secondary majors, but students may register for up to three hours of credit. Pre-requisites: PPST, EDUC 131, SPED 230, EDUC 434, and PSYC 231.

EDUC 320 Elementary/Middle School Observation and Participation

Credit 1-3 hours

Classroom observation and participation prior to student teaching at various grade levels or in the subject areas students might teach at the middle grades level. Students will observe and participate in two or three different classroom settings from primary to middle grades. Those students interested in rural school education are encouraged to select a rural school for one observation period. Pre-requisite: PPST, EDUC 131, 224, PSYC 231 or 334, and SPED 230.

EDUC 321 Teaching Elementary/Middle School Mathematics

Credit 2 hours

Survey of mathematics teaching methods for the elementary and middle school students. Children's textbooks, resources, appropriate technology, techniques for exceptional learner, concrete materials and instructional procedures are emphasized. Pre-requisite: EDUC 131 and PSYC 231 or 334.

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- EDUC 322 Teaching Elementary/Middle School Language Arts** **Credit 2 hours**
Survey of the teaching methods in the language arts for the elementary and middle school students. All major aspects of communication will be considered. Pre-requisites: EDUC 131 and PSYC 231.
- EDUC 323 Teaching Elementary/Middle School Social Studies** **Credit 2 hours**
Survey of teaching methods in the content areas of social studies for the elementary and middle school students. Academic areas of Social Science as well as current events, map and globe skills, grouping and creative activities will be addressed, including techniques for exceptional learner. Pre-requisites: EDUC 131 and PSYC 231.
- EDUC 360 Cross Cultural Studies in Education** **Credit 3-6 hours**
This course is designed to provide individuals interested in educational systems in other societies the opportunity to study and observe these systems through training experiences in the form of workshops, fellowships, and/or seminars. The course requires travel expenses as associated with the specific activity. Course may be repeated with different focus.
- EDUC 361 Integrated Elementary/Middle School Core Methods** **Credit 6 hours**
Survey of effective Instructional Methods in Core Education Subjects (i.e., Math, Lang. Arts, Soc. Studies) at the Elementary/Middle Grades levels. Academic areas, as well as current events, geographical skills, grouping and creative activities will be addressed, and will include techniques and strategies for working with exceptional needs students.
- EDUC 390 Applied Internship in Education** **Credit 1-3 hours**
Provides practical experience in an agency related to education. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours. The internship will not replace any observation or field experience requirements, or any required courses, and should not be done while the student is on Block or student teaching.
- EDUC 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Dean's permission required.
- EDUC 402 Library Education Resources** **Credit 1 hour**
Specific content will focus on print and electronic information sources that will assist students who are preparing to be teachers or who will be working with children in a professional setting. Emphasis will be placed on using a practical, hands-on approach to locate and evaluate education materials including multicultural and cross-curricular resources.
- EDUC 405 Alternative Certification Professional Studies Sequence** **Credit 5 hours**
(Note: Baccalaureate Degree required for enrollment in this course). This integrated course prepares student for the clinical internship and includes the following topics: a) reading in the content area; b) assessment; c) instructional methods and strategies; d) classroom management; and e) special education practices and strategies.
- EDUC 411S Reading/Writing in the Content Areas** **Credit 1 hour**
Assists teacher candidates to approach subject matter in such a way as to utilize and further develop instructional strategies. Study skills, reading/writing skills common to all content areas and reading/writing skills and vocabulary development in specific subject areas are covered. Taken as part of the professional year, Semester #1.
- EDUC 412S Curriculum and Standards, Secondary/MS** **Credit 1 hour**
The course topics include: curriculum development (scope and sequencing of instruction; implementation of standards into the curriculum; relationship between scope/sequence-unit-lesson planning and assessment; strategies for connecting units of instruction throughout the curriculum; co-curricular and extracurricular planning. Taken as part of the professional year, Semester #1.

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- EDUC 413 Elementary/Middle School Curriculum & Counseling** **Credit 1 hour**
Principles and theories governing curriculum design, development, implementation, and evaluation at the K-6 and 4-9 levels with focus on the role and responsibility of the elementary/middle school teacher in the counseling and guidance process. Taken as part of the professional year, Semester #1.
- EDUC 414e Elementary/Middle School Classroom Management** **Credit 1 hour**
Classroom management as it relates to efficiently operated classrooms. Theory and practice precede practical implications and teaching strategies in areas such as the following: managing student behavior, time management, classroom routines, stress, and working with parents and paraprofessionals. Taken as part of the professional year.
- EDUC 414S Secondary/Middle School Classroom Management** **Credit 1 hour**
Classroom management as it relates to efficiently operated classrooms. Theory and practice precede practical implications and teaching strategies in areas such as the following: managing student behavior, time management, classroom routines, stress, and working with parents and paraprofessionals. Taken as part of the professional year, Semester #1.
- EDUC 415 Human Relations/Multicultural** **Credit 1 hour**
Influence of human relationships upon learning, growth and development, including an examination of significant problems in education as they relate to multi-ethnic students. Emphasis will be placed on the development of interpersonal skills, classroom climate, and in meeting the emotional needs of students. Taken as part of the professional year, Semester #1.
- EDUC 416 Elementary/Middle School Assessment** **Credit 1 hour**
Mechanics of deriving meaningful grades and reporting these grades to students, parents and administrators. The criteria for developing teacher-made tests will be explored as well as the basic statistics to interpret and compare scores. New methods of evaluation will be addressed. Taken as part of the Professional Year, Semester #1.
- EDUC 417 Teaching Reading and Writing Diagnosis** **Credit 1 hour**
Diagnostic awareness and corrective skill development. Formal and informal tools used in assessing reading/writing progress, identifying reading/writing problems, planning reading correction and using remedial materials will be examined and used in experimental settings. Teacher observation skills and informal diagnostic and corrective procedures will be stressed. Follows EDUC 423 and 424. Taken as part of the Professional Year, Semester #1.
- EDUC 418S Secondary/Middle School Assessment** **Credit 1 hour**
Construction of valid and reliable teacher made tests and the interpretation of scores from these and standardized instruments. Performance-based assessment tools will be emphasized. Taken as part of the professional year, Semester #1.
- EDUC 422 Teaching Elementary/Middle School Science & Health** **Credit 2 hours**
Teaching experiences with hands-on methods and materials used to teach science and health to children in grades K-9. Students will work with textbook materials, science equipment appropriate to this age group, audio-visual materials relating to science and health as well as the use of resource persons and field trips. Pre-requisites: HPER 233, Biological Science Course, Physical Science Course. Taken in conjunction with the professional year, Semester #1.
- EDUC 423 Teaching Primary Reading and Writing** **Credit 2 hours**
Current methods, materials and research findings related to the teaching of reading and writing at the primary level. Different approaches to word analysis and to reading and writing comprehension, laboratory projects and demonstrations in instructional techniques, and reading and writing principles and strategies of primary reading and writing programs, and instructional and organizational procedures. Taken as part of the Professional Year, Semester #1.

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- EDUC 424 Teaching Intermediate Reading and Writing** **Credit 2 hours**
Current methods, materials, and research findings related to the teaching of reading and writing at the intermediate level. Teaching advanced reading and writing skills in reading and writing programs and in content areas will be examined. Strategies to develop higher questioning skills and study skills, laboratory projects and demonstrations of instructional techniques, and reading and writing principles, program development, and instructional and organizational procedures. Taken as part of the Professional Year, Semester #1.
- EDUC 431 Specialization Instruction** **Credit 1 hours**
The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area. Pre-requisites: PPST, EDUC 131, EDUC 434, EDUC 300, PSYC 231, and SPED 230, 334.
- EDUC 433 The Middle School** **Credit 3 hours**
Philosophy, implementation, and improvement of the middle school (grade 4-9) from a theoretical and practical basis. Emphasis is placed upon the development, behavior, and special issues of middle school students; overall school program; methods of instruction; and the evaluation process.
- EDUC 434 Technology in Instructional Strategies** **Credit 3 hours**
This course focuses on the integration of computers and other new technologies into the academic curriculum. Teachers at all levels of the education system are under pressure to meet the dual demands of integrating new technologies and 21st Century skills into teaching, while helping their students achieve to high standards.
- EDUC 435A-C: Learning Methods** **Credit 1-2**
The laboratory and lecture course topics include: methods of instruction; unit and lesson planning and assessment skills; identification and management of student learning; advanced cognitive skill development strategies; special education strategies and accommodations, and learning motivational strategies. The “A” course is for social science/history, math, and library media. The “B” course is for business, art, family and consumer sciences, and science. The “C” course is for music, physical education, health, theatre, language arts/English. Taken as part of the professional year, Semester #1.
- EDUC 440 Topics in Education** **Credit 1-6 hours**
Designed to allow students to study some aspect of Education not offered in the regular class. May be repeated with a change in emphasis for a maximum of 6 credit hours.
- EDUC 460 Comparative Education** **Credit 3 hours**
This course explores the study of education from a comparative perspective, focusing on major educational systems of the world with a special emphasis on Western Europe. An international field trip is required.
- EDUC 475 Regional Elementary/Middle School Professional Studies Sequence** **Credit 12 hours**
This integrated course prepares students for the clinical internship and includes the following topics: a) classroom management; b) curriculum and counseling; c) human relations/multicultural education; d) assessment; e) reading and writing diagnosis; f) science and health; g) primary and intermediate reading and writing; and h) special education practices and strategies.
- EDUC 480A Field Experience** **Credit 1-8 hours**
Assists the non-certified teacher and/or the teacher seeking an additional endorsement program or renewal of an expired certificate to obtain a planned and supervised classroom experience. The total number of field experience hours will be determined by a transcript review. Pre-requisites for the course include successful completion of Teacher Education requirements as outlined in the undergraduate catalog. Requires affirmation under oath that the student has no felony convictions or misdemeanor convictions involving abuse, neglect, or sexual misconduct, and affirmation under oath that the student is in sound mental capacity.
- EDUC 480I Teacher Internship/Intermediate** **Credit 6 hours**
Encompasses grades 4 through 6 and taken in conjunction with six additional student teaching hours. Participation in CSC campus activities needs prior approval from the Field Director’s office. Pre-requisite: Must hold a GPA of 2.75 or higher, and have successfully completed the Professionals Semester Block with no grade below a C.

EDUC 480K Teacher Internship K-12**Credit 6-12 hours**

Encompasses K-12 endorsements in art, music, and physical education; May be taken in conjunction with six additional teacher internship hours. Participation in CSC campus activities needs prior approval from the Field Director's office. Pre-requisite: Must hold a GPA of 2.75 or higher, and have successfully completed the Professional Semester Block with no grade below a C.

EDUC 480L Teacher Internship K-8**Credit 6 hours**

Encompasses field experience for K-8 endorsement programs. Taken in conjunction with six additional teacher internship hours. Participation in CSC campus activities needs prior approval from the Field Director's office. Pre-requisite: Must hold a GPA of 2.75 or higher, and have successfully completed the Professional Semester Block with no grade below a C.

EDUC 480M Teacher Internship Middle School**Credit 6-12 hours**

Encompasses grades 4 through 9 and may be taken in conjunction with six additional student teaching hours. Participation in CSC campus activities needs prior approval from the Field Director's office. Pre-requisite: Must hold a GPA of 2.75 or higher, and have successfully completed the Professional Semester Block with no grade below a C.

EDUC 480P Teacher Internship Primary**Credit 6 hours**

Encompasses grades K through 3 and taken in conjunction with six additional teacher internship hours. Participation in CSC campus activities needs prior approval from the Field Director's office. Pre-requisites: Must hold a GPA of 2.75 or higher, and have successfully completed the Professional Semester Block with no grade below a C.

EDUC 480R Teacher Internship ECE Inclusive**Credit 6-12 hours**

Encompasses teacher internship in a field experience with young children with special needs, birth to age 8 and may be taken in conjunction with six additional teacher internship hours. Participation in CSC campus activities needs prior approval from the Field Director's office. Pre-requisite: Must hold a GPA of 2.75 or higher, and have successfully completed the Professional Semester Block with no grade below a C.

EDUC 480V Teacher Internship Special Education K-12**Credit 6-12 hours**

Encompasses grades K-12 special education and may be taken in conjunction with ~~eight~~ six additional teacher internship hours. Participation in CSC campus activities needs prior approval from the Field Director's office. Pre-requisite: Must hold a GPA of 2.75 or higher, and have successfully completed the Professional Semester Block with no grade below a C.

EDUC 490S Secondary Teacher Internship**Credit 6-12 hours**

Encompasses secondary grades content endorsements. Sixteen weeks full-time in an off-campus center. A twelve (12) hour load is the maximum number for which a student may enroll. Participation in CSC campus activities needs prior approval from the Field Director's office. Students participate in their assigned community school program on a full-time basis both in the classroom and in extra-classroom activities. Pre-requisites: Must hold a GPA of 2.75 or higher, and have successfully completed the Professional Semester with no grade below a C.

ENGLISH

ENG 111 Introduction to College Writing**Credit 3 hours**

This course is designed to help students utilize a variety of strategies for composing written discourse in Standard Edited English in an academic setting.

ENG 135 Composition I**Credit 3 hours**

Instruction in the processes of writing well-organized essays and in the necessary critical thinking that precedes such writing. When necessary, the principles of grammar will be reviewed. Pre-requisites: See the placement matrix in Essential Studies for further details.

ENG 136 Composition II**Credit 3 hours**

Instruction in the processes of writing well-organized essays and in the necessary critical thinking that precedes such writing with increased emphasis on the processes involved in developing essays requiring research. Pre-requisites: See the placement matrix in Essential Studies for further details.

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- ENG 137 Technical Writing** **Credit 3 hours**
Interdisciplinary writing course emphasizing workplace and technical communication and editing appropriate to diverse professions. Pre-requisites: See the placement matrix in Essential Studies for further details.
- ENG 160 Literary Explorations** **Credit 1-3 hours**
Special Topics in English. May be repeated with a change in emphasis.
- ENG 232 History of American Literature** **Credit 3 hours**
(a) A study of American literature from its beginning to 1865.
(b) A study of American literature from 1865 to the present.
- ENG 233 Elements of Literature** **Credit 3 hours**
A study of the elements of poetry, drama, and fiction.
- ENG 235 Children's Literature** **Credit 3 hours**
A study of literature written for children and adolescents that provides a critical background for interpreting, evaluating and teaching the literature.
- ENG 236 History of English Literature** **Credit 3 hours**
(a) A study of English language and literature from its beginnings to 1795.
(b) A study of English literature from 1795 to the present.
- ENG 249 Creative Writing** **Credit 3 hours**
Writing instruction designed to improve the students' expression in (a) Nonfiction prose, (b) Fiction, or (c) Poetry.
- ENG 300 The Graphic Novel: Studies in Diversity and Difference** **Credit 3 hours**
An examination of contemporary issues in global diversity through the lens of the graphic novel, a literary genre that creates meaning through the sequencing and juxtaposition of visual images and words. The goal is to understand the graphic novel as a cultural product and a cultural practice, paying careful attention to the ways that graphic storytellers manipulate historical and contemporary economic, political, and social issues in their art.
- ENG 320 Grammar and Linguistics** **Credit 3 hours**
An introduction to the study of grammar and linguistics, with a focus on sociolinguistics and differing approaches to grammar as each applies to teaching.
- ENG 331 Theory and Practice of Teaching Writing** **Credit 3 hours**
An examination of various methods and programs in teaching writing, including practical experience in responding to writing.
- ENG 340 Contemporary Literature** **Credit 3 hours**
A study of various issues, authors and topics in contemporary English and/or American literature.
- ENG 341 Literature of the Great Plains** **Credit 3 hours**
An exploration of writers and works of literature related to the American Great Plains.
- ENG 342 Literature Across Borders** **Credit 3 hours**
A multi-cultural exploration of writers and works that confront and cross borders – geographical, cultural and ethnic – throughout the Americas.
- ENG 343 Literature and Philosophy** **Credit 3 hours**
An examination of literary works at the intersection of philosophy and literature that raise such philosophical issues as the nature of reality, truth, knowledge, identity or vividly illustrates the meaning of abstract thought about those issues.
- ENG 344 Literature of the Environment** **Credit 3 hours**
An examination of works in the American literary tradition that treat the relationship between people and their natural environments.

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- ENG 345 Gender and Literature** **Credit 3 hours**
A study of masculinity and femininity in literature and literary criticism.
- ENG 346 Literature of the Bible** **Credit 3 hours**
The purpose of this course is to introduce students to the literature of the Protestant and Catholic Bibles. Students will use diverse reading practices employed in both biblical and literary scholarship in order to read these texts in their literary, historical, and cultural contexts (ancient Near East, Greece, and Rome).
- ENG 361 Literacy in the Digital Age** **Credit 3 hours**
An examination of the theory and practice of literacy in the digital age, with an emphasis on using digital tools and technologies to read, write, and learn.
- ENG 349 Advanced Writing Workshop** **Credit 3 hours**
A workshop in which experienced writers develop extended projects in writing, analyze their own and other's writing processes, and read widely in genres related to their projects. Pre-requisite: ENG 249 or permission of instructor.
- ENG 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. Students of senior standing, under the guidance of a professor in their major, may complete a Thesis & Capstone Project in their area of study and present it publicly. The number of credit hours is determined by the topic and the amount of work required. Permission of Instructor, Dean and Academic Vice President is required.
- ENG 431 Topics in English** **Credit 3 hours**
Special topics in English. May be repeated with a change of emphasis.
- ENG 432 Shakespeare** **Credit 3 hours**
Shakespeare's works, with particular attention paid to those plays most commonly taught in the middle and senior high schools.
- ENG 435 Native American Literature** **Credit 3 hours**
A study of the history, themes, and/or genres of literature produced by and about Native Americans.
- ENG 436 World Literature** **Credit 3 hours**
A study of representative poetry, drama, and prose fiction selected from global literature. Texts not originally published in the English language will be read in English translation.
- ENG 438 Adolescent Literature** **Credit 3 hours**
A study of literature suitable for grades 7-12 that provides a critical background for interpreting, evaluating, and teaching that literature.
- ENG 440 Theory and Practice of Literary Criticism** **Credit 3 hours**
A study of selected theories that provide the foundations for literary criticism and the application of those theories to specific texts.
- ENG 441 English and American Novels** **Credit 3 hours**
A study of selected English and American novels.
- ENG 461 Specialized Methods in English Language Arts** **Credit 3 hours**
The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area. Pre-requisites: PPST, EDUC 131, PSYC 231, and SPED 230 and 334.

FAMILY AND CONSUMER SCIENCES

- FCS 122 Perspectives in Family and Consumer Sciences** **Credit 2 hours**
The history, philosophy, and professional perspectives of the field of family and consumer sciences. Career exploration and academic planning are explored. Lecture and discussion, onsite observation with guest lectures.

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- FCS 135 Alteration and Construction Techniques** **Credit 3 hours**
Adaptation of commercial patterns as well as custom-fitting techniques for ready-made items are incorporated in this course. The processes of sewing technologies, including selection and use of equipment, patterns, fabrics, notions, and fundamental techniques are utilized. Construction techniques will be applied to apparel and home interior fashions. Student learning outcomes will build upon prior knowledge and skills. A service learning project is incorporated. Additional laboratory fees are associated.
- FCS 136 Food Science** **Credit 2 hours**
This course will explore the science of food by examining the basic chemistry of carbohydrates, proteins and lipids. This course will provide students the opportunity to examine food in scientific terms and test theoretical principles using the scientific method of observation, measurement, recording, reasoning and reporting. In a laboratory setting students will apply their knowledge and skills to observe, measure, record, control and modify the chemical and physical properties of food. Students will examine chemical reactions and key chemical compounds that relate to oxidative and structural changes in food, as well as food quality. This course satisfies Essential Studies SLO #6 requirement. Co-requisite: FCS 136L
- FCS 136L Food Science Lab** **Credit 1 hour**
This course must be taken in conjunction with FCS 136 Food Science. Student will gain lab experience in applying principles of food science. Lab fee required for this course. This course satisfies Essential Studies SLO #6 requirement. Co-requisite: FCS 136
- FCS 139 Human Development** **Credit 3 hours**
Human development from conception through adulthood is analyzed from physiological, cognitive, and socio-emotional perspectives. Emphasis is on wellness throughout the lifespan. A combination of lecture, practical application and observation of the stages of development are incorporated.
- FCS 149 Basic Health Care** **Credit 4 hours**
This course provides essential knowledge and skills to provide basic care and skills for resident/clients of healthcare facilities. Topics will include resident rights, communication, safety, observation, reporting and assisting resident/clients in maintaining basic comfort and safety. Upon completion of the course, students will demonstrate skill competency and take the written/oral examination to meet training requirements of the federal and state of Nebraska law for nursing assistants working in licensed facilities.
- FCS 151 Foundations of Nutrition and Metabolism** **Credit 3 hours**
The fundamental aspects of nutrients and their metabolism will be presented. This course is designed for students with an interest in human or animal nutrition. Cross-listed as AGRI 151.
- FCS 160 Special Topics** **Credit 1-3 hours**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- FCS 224 Housing and Interior Design** **Credit 3 hours**
Architectural and interior design elements and principles as related to residential and commercial applications including furnishing and finishing materials and treatments. Blueprint reading, floor plan modification and design are explored. Elements and principles of design are incorporated as well as the business of design.
- FCS 234 Introduction to Health and Human Services** **Credit 3 hours**
Exploration of careers within various health and human services areas. This course provides awareness, information, and competencies necessary to facilitate entry into the health and human services. Topics of study include organizational management, planning services to clients, needs analysis, and principles of health and human services.
- FCS 236 Food and Meals Across the Lifespan** **Credit 3 hours**
The primary focus of this course is to combine the science of nutrition and the art of cooking to create healthy foods and meals that satisfy hunger, the palate and the eye. Chemical composition of food, preparation, principles and techniques for the retention of nutrition, appearance, and flavor will also be covered. In our lab sessions, we will apply principles of safety, nutrition, and wellness to enhance individual and family health. Lecture and lab.

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- FCS 237 Guidance Techniques in Human Relations** **Credit 3 hours**
Throughout this course, student will examine the principles, strategies, principles and techniques for understanding the outcomes with effective conflict resolution and positive guidance. The content of the course will focus on identifying common behaviors, teaching social-emotional skills, examining positive guidance approaches, and developing the skills to support self-control and self-discipline in building human relations. Students will be actively engaged in field experiences developing observation skills and demonstrating best practices for the process of effectively assessing and managing behavior.
- FCS 238 Prenatal and Infant Practicum** **Credit 3 hours**
Students will learn to utilize research methods for understanding the social, emotional, intellectual/cognitive, language, and physical development of infants and toddlers between the ages of 0 and 3, including pregnancy. Theoretical concepts, developmental ages and stages, appropriate practices and competencies for developing the necessary skills to actively engage in the growth and development process of infants and toddler. Student will be actively engaged in practicum experience that integrate content knowledge, skills and competencies through observation and practical laboratory experiences.
- FCS 239 Partners in Early Childhood Education** **Credit 3 hours**
The content of the course examines theory, principles, methodology and practical techniques for creating optimal working relationships which empower and strengthen partnerships among individuals, families, and communities. Students will gain an understanding of the process involved with establishing natural, inclusive environments effective relationships with schools and community based programs, through service-learning and family stories.
- FCS 247 Nutrition** **Credit 3 hours**
Study of the nutrients and their relationship to health and wellness. Major topics include the functions and sources of each of the nutrients; diseases and conditions associated with deficiencies and toxicities of nutrients, including obesity and eating disorders; nutrient needs of special populations, such as athletes, children, and pregnant women; and wellness lifestyles. This course satisfies Essential Studies SLO #11 requirement.
- FCS 270 Special Topics** **Credit 1-3 hours**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- FCS 314abcd Future Focus** **Credit 1 hour**
Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. This course will cover different trends and topics each year, and will change letters in a four year rotation (314a, 314b . . .). The course may be repeated for up to a total of four credit hours.
- FCS 320 Aging and Death** **Credit 3 hours**
The life cycle as related to aging, the dying process, aging theories, and the psychological, social, and economic dimensions of bereavement are examined in this course of study. Emphasis will be placed on the economic and social needs of individuals involved with an aging and dying person. A service learning project is incorporated in the design of this course. This course satisfies Essential Studies Learning Outcome #10 requirement.
- FCS 321 Curriculum Development in Early Childhood Education** **Credit 2 hours**
Students will examine a variety of curriculum models and lesson plan formats and that support best practices for meeting the developmental needs of children birth to age 8, in natural, inclusive environments. Throughout the course, students will have the opportunity to apply skills in planning, organizing and developing activities, integrated into daily and weekly lesson plans philosophical foundations will guide students as they weave knowledge base content into practical application exercises associated with early childhood environments.
- FCS 331 Resource Management** **Credit 3 hours**
This course involves exploration of the decision-making process of planning, implementing, and evaluating the use of resources to meet individual and family goals throughout the lifespan. Resources to be addressed include time, energy, money, and human capital, as well as clothing and housing. Wellness and quality of life issues will be considered.

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- FCS 335 Families in Society** **Credit 3 hours**
Investigation into the roles and expressions of familial arrangements across various cultures and within distinct subgroups of society in order to promote understanding of individuals from diverse backgrounds. This course satisfies Essential Studies Student Learning Outcomes #10.
- FCS 340 Current Trends in Design** **Credit 1-3 hours**
Design and construction trends will be explored. The trend will be determined by expressed interest of students as well as commercial emphasis in the design field. This course may be repeated for up to 6 credit hours. Additional laboratory fees will be assessed.
- FCS 341 Textiles** **Credit 3 hours**
The history and development of natural and man-made fibers, yarns, and methods of fabrication, fabric finishes, and their performances will be explored. Legislation, merchandizing, and consumer issues are also investigated. Lecture, discussion, and analytical inquiry are the modes of instruction. FCS 341L must be taken concurrently.
- FCS 341L Textiles Laboratory** **Credit 1 hour**
Laboratory investigation, identification, and analysis of fibers, yarns, fabrics and finishes will be conducted. Experiments, testing, and design of textiles, fibers, yarns, weaving, knitting, and/or finishes are methodologies employed. This course is to be taken concurrently with FCS 341. Additional fees are assessed.
- FCS 390 Internship in Family & Consumer Sciences** **Credit 1-12 hours**
Provides practical experience in an agency related to Family and Consumer Sciences. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- FCS 400 Independent Study or Research** **Credit 1-3 hours**
Selected problems of interest to advanced students. Pre-requisite: Consent of the instructor, the academic Dean of the school and the Academic Vice President.
- FCS 417 Lifespan Wellness** **Credit 3 hours**
Students will discuss current health issues and incorporate wellness practices that lead to positive personal changes in health and wellness lifestyle as well as understand the importance of a healthy lifestyle throughout the lifespan. Examination of health, history, medications, cultures, ages, lifestyles, predisposed health conditions, injury/physical challenges, and the individual's goals/outcomes. Students will use wellness models and developmental models as a basis for learning skills and strategies which promote a lifetime of wellness. Emphasis is on empowering students to work with individuals across the lifespan (birth through old age) in promoting optimal wellness choices. This course satisfies Essential Studies requirement SLO #11.
- FCS 420 Loss Across the Lifespan** **Credit 3 hours**
A study of the "losses" experienced by individuals and families. This includes the loss of things, relationships, and function, as well as inter-psychoic loss, social loss, and systemic loss. Losses and the interpretation of loss change as individuals progress through the life cycle. This course will focus on loss and grief across the lifespan.
- FCS 421 Organization, Administration and Curriculum of FCS** **Credit 2 hours**
An investigation into Family and Consumer Sciences Departmental management and funding, community activities and relations, youth organizations, and facility/equipment maintenance. Curriculum materials will be developed.
- FCS 422 Professional Career Development** **Credit 2 hours**
Seminar class designed as a capstone course for students preparing to graduate. Networks, job-searches, professional etiquette, professional organizations, certification, and the history and mission of Family and Consumer Sciences are addressed. Completion of a professional portfolio will culminate in this study.

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- FCS 423 Program Development and Management** **Credit 3 hours**
A study of the process involved with developing and managing program operations including development of policies and procedures, funding, grant writing, organization of personnel, menu planning, assessment, marketing, technology, community relations, and family partnerships. Integrates basic principles, strategies, knowledge, and skills necessary for developing, managing and administering successful programs/organizations from pre-planning to final operation.
- FCS 427 Worksite Wellness** **Credit 3 hours**
This course covers the assessment, development/design, implementation and evaluation of worksite health promotion programs and the benefits these programs have for employees, their families, employers and society. Students will review various health risk appraisals and plan theory-based incentive programs designed to promote positive lifestyles. Students will learn how to facilitate implementation and evaluation of wellness programs for individuals and worksite locations. An examination of the physical and psychological factors that affect health throughout the life cycle will be made by applying fundamental knowledge and skills of designing, planning and evaluating a basic workplace wellness programs. Students will also conduct and report on a workplace needs assessment and prepare a proposal to implement a sustainable, comprehensive and integrated workplace health and wellness program. This course satisfies Essential Studies requirement SLO (9)
- FCS 434 Issues in Health and Human Services** **Credit 3 hours**
Provides an opportunity to concentrate on current issues in the health and human services field including policies, programs, funding, consumer rights, and administrative issues. Significant emphasis is placed on effective grantsmanship, including writing and administering grant proposals.
- FCS 435 Consumer Science** **Credit 3 hours**
Goods and services available to the individual and/or family including information analysis, consumer communication skills, commodity exchanges, and merchandise standardization are analyzed to maximize financial wellness across the lifespan.
- FCS 436 Global Food Systems** **Credit 3 hours**
Analysis of various world-wide food patterns and associated health status as well as food production and distribution patterns around the world. Understanding and appreciation of the international perspective will be approached with critical thinking strategies. Comprehensive presentations and discussions about policies and current practices for sustainable global food system, with a focus on developing countries included. Topics include economic policy related to nutrition, health, consumption, production, natural resources management, trade, markets, gender roles, armed conflict, and ethics. Social entrepreneurship approach, case studies as well as active participation by students will be used. This course satisfies Essential Studies requirement SLO (10).
- FCS 437 Family Strengths** **Credit 3 hours**
This is an advanced study in the dynamics of successful family relationships. Investigation into the attributes of vital families which contribute toward the resolution of stressors in meaningful and positive ways. Lecture, discussion, and case study.
- FCS 440 Special Topics in Family and Consumer Sciences** **Credit 3 hours**
Contemporary concepts and issues in Family and Consumer Sciences. May be repeated with different emphases for up to six hours of credit.
- FCS 447 Nutrition for Sport & Wellness** **Credit 3 hours**
A study of the nutrients and their relationship to sport and wellness. Special nutritional and training needs of athletes and all individuals who are physically active will be addressed. Major topics include the function and sources of each of the nutrients; fueling for pre exercise, during exercise and after exercise; specific meal planning, nutrient needs for specific athletes and wellness lifestyles; and more.

FCS 448 Early Childhood Practicum **Credit 3 hours**

An association and application of principles, theory, philosophy, methodology, structure, function, and operation of programs for young children. The course includes practical application of knowledge base principles and best practices in the development and implementation of daily and weekly unit plans, menus, environmental design and emergent curriculum for coordination of a total program. The course requires practicum time with children in qualified early childhood setting. Pre-requisites: FCS 139, 237, 239, 321A, and 423 OR permission of instructor. Concurrent enrollment in FCS 448L required.

FCS 448L Early Childhood Practicum Laboratory **Credit 1 hour**

Practicum field experience in a qualified early childhood environment under the supervision of a highly qualified educator. Accompanies FCS 448. Concurrent enrollment in FCS 448 required. Additional fees will be assessed.

FCS 457 Nutrition for Community Wellness **Credit 3 hours**

An evidence-based study of the science of nutrition and its relationship to improving public health. Focus will be on the campus-community based approach to improving health. Special emphasis will be on the relationship between nutritional epidemiology and research, policies, and programs regarding prevention and treatment as well as lifestyle and hereditary diseases.

FCS 467 Epidemiology & Global Health **Credit 3 hours**

This course will provide a comprehensive understanding of sources of population data in terms of morbidity, mortality, and other vital statistics. Scientific methods for approaching population data and identifying public health problems and empirical analysis of data will be emphasized. Critical evaluation of medical and public health literature is included.

FINANCE

FIN 160 Topics in Finance **Credit 1-3 hours**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in finance.

FIN 239 Personal Finance **Credit 3 hours**

Basic principles of finance as relating to the individual, including an introduction to investments, insurance, taxes, consumer purchasing, real estate, financial planning and recordkeeping, retirement, and estate planning. Pre-requisite: Department's Mathematics Requirement or equivalency.

FIN 330 Principles of Finance **Credit 3 hours**

An introductory course emphasizing the basic financial principles and practices essential to managing a business. Among the topics introduced are the time value of money, working capital management, financial analysis, financial planning, cash-flow analysis, operating and financial leverage, capital budgeting, long-term financing, cost of capital, and capital structure. Pre-requisites: Department's Mathematics Requirement, ACTG 241 and ECON 232 or equivalencies.

FIN 331 Financial Markets and Institutions **Credit 3 hours**

Inquiry into, and analysis of, the various financial markets and institutions (including debt, derivatives, equity, insurance, government-based and foreign financial markets) operating in the U.S. and the international economy. Emphasis is placed on providing the analytical tools needed to assess financial institution and market response to microeconomic and macroeconomic factors. Pre-requisites: Department's Mathematics Requirement and FIN 330 or equivalencies.

FIN 333 International Finance and Economics **Credit 3 hours**

The development, understanding, and application of basic economic concepts and theories related to international economics, global trade, and variations between and among countries and their cultures. Will deal with different types of economic and political systems, types of markets, exchange rates, trade policies, trade agreements, and the economic and political reasons and impacts of globalization.

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- FIN 335 Agricultural Finance** **Credit 3 hours**
Economic and financial theories and concepts related directly to the capital markets and associated production and marketing costs and revenues within the agricultural sectors including financial institutions. Deals with study and analysis of firms with a focus on financial statements, financing enterprises, and sources of agricultural credit including private and governmental financial institutions. Pre-requisites: Department's Mathematics Requirement; ACTG 241 and ECON 232, or equivalencies.
- FIN 338 Real Estate Investments and Insurance** **Credit 3 hours**
This course combines the basic principles of real estate and insurance. Topics include: how to read an insurance and real estate contract, purchasing and financing a home or business and securing property, liability, automobile, life and health insurance. In addition various career paths are discussed.
- FIN 432 Financial Management** **Credit 3 hours**
Examines various structures and operations of financial management of the firm including the sources and methods of financing, capital structure, dividend policy, leasing, mergers and acquisitions, working capital management, effects of taxation on financial decisions and international aspects of finance.
- FIN 439 Investment Analysis** **Credit 3 hours**
Provides an understanding of active portfolio evaluation and management, including the following: the investment environment, portfolio theory, capital asset pricing model and arbitrage pricing theory, fixed-income securities, equities, and derivatives. Pre-requisites: Department's Mathematics Requirement and FIN 330 or equivalencies.
- FIN 460 Topics in Finance** **Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in finance.

FIRST YEAR INQUIRY

- FYI 169A Health Care I: A Choice or a Right** **Credit 3 hours**
Students will study health care from multiple perspective perspectives, including those of the patient, the practitioner and the policy-maker. This first course in the two-course sequence will focus on health care delivery systems. Students will consider issues of access, affordability and quality in the delivery of health care. They will also consider the ethical dimensions of health care choices. To explore these issues in depth, and to develop critical thinking, information literacy and inquiry skills, students will engage in an in depth and collaborative investigation of particular health care issues.
- Note that this course is part of a two course sequence (FYI 169A/FYI 169R) designed to meet the 6-unit FYI requirement for Essential Studies. Co-enrollment in FYI 169A and COLG 191 required (check current course schedule for linked section of COLG 191).*
- FYI 169B Enemy Mine: The Extreme Other** **Credit 6 hours**
We will explore the construction of "enemy" in different levels of human consciousness and existence. We intend to generate critical thinking and problem solving skills among students as they explore the concept of "enemy" as represented in selective fields of philosophy, religion, political science, literature, art, and media.
- FYI 169C The Nation and the Globe** **Credit 6 hours**
This course investigates the historic development of the nation and analyzes its role in the international realm. This course evaluates the interconnectivity of the world and specifically contextualizes the role of the nation under modern globalization. The course takes an interdisciplinary approach to understanding both the historical antecedents and the current problems of the relationship between the nation and the globe.
- FYI 169D Wizards & Vampires in Film, TV, & Literature** **Credit 6 hours**
The purpose of this course is to examine our culture's fascination with wizards and vampires in Film, TV, and Literature, using methods and practices of inquiry from Literary, Gender, Film, and Race Studies.

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- FYI 169E Environmental Policy: Beyond the Sound Bites** **Credit 6 hours**
For some years there has been a public debate about concerns for the environment. Terms like “Global Warming,” and more recently, “Climate Change,” reflect that debate. However, too often the science associated with environmental concerns is lost amidst the rhetoric of public political discourse, and, subsequently, environmental policy has been shaped more by political rhetoric than by science. The purpose of this course is to investigate both the rhetoric of public debate about environmental policy and the science of environmental concerns.
- FYI 169F A Pox on You: The Biological, Legal, and Social Consequences of Infectious Diseases** **Credit 6 hours**
In this course you will explore the dynamics of an infectious disease outbreak, the various societal responses, and the resulting tension between individual rights and public health, safety and welfare. Topics include: cause of epidemics, government preparedness, public health laws, use of quarantines and vaccinations, medical privacy, control of antibiotic resistant organisms, and dangers posed by bioterrorism/bioweapons.
- FYI 169G Do You See What I See: The Art of Science and the Science of Art** **Credit 6 hours**
An exploration of the science of art and the artistry involved in scientific exploration. Topics include: the biology of sight, color theory, the history of scientific illustration and modeling, the use of natural products and scientific technology to develop artistic representations, and the creation of videos and animations to artistically illustrate scientific processes. Students will be expected to develop a scientific project and to document and explain the results. Students will also create artistic projects using a variety of techniques including drawing, sculpture, painting, collage, and microscopic and non-microscopic photography.
- FYI 169H Mathletics: Not for Spectators** **Credit 6 hours**
In this course, we will discuss various sports and the relationships of the sports to exercise science and mathematics. We will explore how the body works when hitting a baseball, hitting a golf ball, playing billiards, shooting a basketball, and playing tennis. From this, we will integrate mathematics through the use of statistics, geometry, and trigonometry. Students will be asked to participate in various aspects of each of the above named activities.
- FYI 169I We are What We Eat** **Credit 3 hours**
This course is an investigation of the multiple inputs that make up the contemporary food system. This is not primarily a study of the nutritional aspects of food, but examines the production and consumption of food more broadly. Students working as permanent teams will develop questions and investigate issues important to them.
- FYI 169J The Hidden Life of Everyday Things** **Credit 3 hours**
This course is an investigation of the infrastructural aspects of everyday life that exist largely unnoticed. Students working as permanent teams will develop questions and investigate issues important to them within the course.
- FYI 169K A Better You Through Financial and Physical Health** **Credit 6 hours**
This course aims to give students the needed foundation for both a physical and financially healthy life by addressing the components of each and how they are interrelated.
- FYI 169M Improving Your Influence** **Credit 6 hours**
Students will describe and practice skills involved in critical inquiry and creative problem solving through interdisciplinary, collaborative engagement of information and knowledge as power in the business and educational setting.
- FYI 169N Virtue and the Warrior Spirit** **Credit 6 hours**
In this course, we will inquire about the nature of “warrior spirit,” with an emphasis on the virtues of courage, loyalty, and duty traditionally associated with military service. We will also explore viewpoints that question the value of a “warrior spirit”.
- FYI 169O 10,000 B.C., Great Plains, North America: Human Survival and the Environment** **Credit 6 hours**
In this course you will examine the challenges of answering questions about prehistoric people’s adaptation to a changing environment through the application of historical and earth science tools and techniques. Ultimately, you will explore the dynamics of communicating scientific information in the form of natural and cultural history with the public.

FYI 169P Making Cents of Petroleum **Credit 6 hours**

In this course you will examine the challenge of meeting the demand for petroleum resources both nationally and globally. You will explore the dynamic balance between supplying a petroleum product and protecting the environment while utilizing ethical business practices. Ultimately you will explore how we can provide sustainable energy resources.

FYI 169Q Private Parts: The Psychological, Socio-cultural & Biological Aspects of Human Sexuality **Credit 6 hours**

Various aspects of human sexuality will be examined from a biological, socio-cultural, and psychological viewpoint. Students will engage in critical and analytical thinking regarding sexual culture and its implications. The course will be delivered in a blended format with participation in online forums, online blogs, and on-campus class time.

FYI 169R Health Care II: A Choice or a Right **Credit 3 hours**

Students will study health care from multiple perspectives, including those of the patient, the practitioner and the policy-maker. This second course in the two-course sequence will focus on policy issues that arise from problems identified during the study of health care as a social and economic activity. Students will explore issues of access, affordability and quality in the delivery of health care, and consider how government policy might best address these issues. They will also consider the ethical dimensions of public policy health care choices. To explore these issues in depth, and to develop critical thinking, information literacy and inquiry skills, students will engage in an in depth and collaborative investigation of particular health care issues.

Note that this course is part of a two course sequence (FYI 169A/FYI 169R) designed to meet the 6-unit FYI requirement for Essential Studies. FYI 169A is a Pre-requisite for enrolling in FYI 169R.

FYI 169S Without the Arts You're Only Half a Brain **Credit 6 hours**

Students will explore the dwindling support for the arts in American society and discover reasons for encouraging active participation in the arts. During the course students will work in teams to create and produce digital materials (YouTube video commercials, radio ads, print ads, web sites, blogs, and news releases) to advocate for the arts.

FYI 169U Study of Natural Disasters **Credit 3 hours**

Students will choose a natural disaster and make a detailed study. The study will include understanding the cause of the disaster, computing social, physical and economic costs, and finding techniques for prevention and/or preparation for future events.

FYI 169V Nutrition, Weight Loss and Wellness **Credit 3 hours**

A recurring issue in American life is overweight and obesity. This course provides the opportunity for you (students) to inquire and come to conclusions about weight loss methods and diets (weight management), based on the science of nutrition and the theme of wellness. Whether you desire to lose weight, or you want to work with others in resolving their weight issues and maximizing wellness, this course may be for you! This course will help you unlock the mysteries of nutrition, weight, and wellness.

FYI 169W Literature and Practice of World Religions **Credit 6 hours**

This course is designed to introduce students to the practice of inquiry through various modes of exploring six of the world's religions. In order to engage in an interdisciplinary and multi-modal exploration of world religions through the following activities, students will read and analyze primary literature of those religions as literature, and especially as religious literature; to the degree possible in such a context, understand those religions through their rituals and practices; and write reflectively about their experiences exploring these religions through their literature and practices.

FYI 169X Survival Skills 101 **Credit 3 hours**

A common theory studied in developmental courses is Abraham Maslow's Hierarchy of Basic Needs. This course is a study of Maslow's theory as it applies to the traditional college age student. From the basic needs of food, clothing, and shelter, to the higher needs of esteem and self-actualization, this course asks students to discover the methods and means of making considered choices, regarding basic needs.

FYI 169Y Plants & Man**Credit 3 hours**

The interaction of mankind and plant-derived products will be explored in a critical inquiry of conditions and issues of cultivation, harvesting and preparation; religious and medicinal use; trade and economics; and social and societal consequences.

FYI 169Z Forgiveness**Credit 3 hours**

Humans are social creatures. We live our lives in community with others. We are also imperfect creatures. We continually make mistakes, and these mistakes often bring harm to other humans within our communities, thereby damaging those social relationships on which we depend. As a result, we engage in various practices aimed at repairing this damage. One of these reparative practices is the practice of forgiveness. In this class, we will examine this human practice of forgiveness from a variety of different perspectives: psychology, religion, politics, and philosophy. We will consider questions about the value of forgiveness and the challenges of forgiving.

FYI 169AA Home on the Range**Credit 6 hours**

The course will be divided into three thematic units, all focusing on the relations and interactions between organisms and their environment, with an emphasis on human ecology, as explored and expressed through disciplines in both the arts (writing, film, the visual and performing arts, etc...) and the sciences (especially in the arena of agriculture and rangeland management). Whatever possible, emphasis will be placed on examples from the Great Plains Region and close to home. The three thematic units include: The Land (rangeland ecology); The Homestead (animal science and livestock management); and The Wilderness (hunting, recreation and wildlife management).

FYI 169AB Learning to Serve**Credit 3 hours**

Our inquiry will focus on *experiential learning* that engages in service opportunities within our community as an integral part of our course. According to a recent study, "Service-learning enhances a 'traditional learning' course by allowing students the opportunity to link theory with practice, apply classroom learning to real-life situations, and provide students with a deeper understanding of course content" and that "service-learning may strengthen students' sense of civic responsibility as well as aiding them in dispelling any stereotypes they may hold regarding the population in which they are interacting." Students in such courses benefit from increased awareness of career options to which they might apply their learning, reinforcement of career choices, greater civic responsibility and commitment to service, enhanced critical thinking, communication skills, leadership, awareness of social responsibility and respect for cultural diversity. ("A Labor of Love." *The Journal of Effective Teaching*; 9.3 (2009) 70-76)

FYI 169AC The 20th Century American Road**Credit 6 hours**

This course examines the history of the American highway in the twentieth century — how highways came to be and what consequences they had for American history, literature and film. The road has been the means by which the western frontier has been expanded; it has also been the locus of escape, exile, dispossession and self-discovery. The road, both actual and imagined, has created a body of literature and film that is distinctly American.

FYI 169AD Football, American Style**Credit 6 hours**

The purpose of this course is to use the phenomenon of American football as a lens through which to examine issues in American culture, as well as to use methods and practices of inquiry associated with Literary, Gender, Film, and Cultural Studies as a means of examining American football. In order to engage in an interdisciplinary and multi-modal exploration of American football in Fiction, Non-fiction, and Film, students will: Examine the literary character of short stories and novels in which American football provides the setting, themes, and/or plotlines; Examine the relationship between American culture and American football, esp. in journalistic and other non-fiction writing, and in documentaries; Examine issues of gender (esp. masculinity), race, poverty, and education as they relate to H.S., college, and pro football; Use writing as a tool for reflection and analysis regarding intersections of American culture and American football.

FYI 169AE Happiness**Credit 6 hours**

Everyone wants to be happy. But what is happiness? How do we achieve happiness? Humans have been wrestling with these questions for millennia, from Greek philosophers to modern psychologist to fiction writers to filmmakers. In this course, we will be joining this discussion. We will be examining and practicing various accounts of what happiness is and how best we can achieve it.

FYI 169AF Study the World**Credit 3 hours**

As our world becomes increasingly more accessible and interconnected, and as Chadron State College continues to increase its international component, the need for our students to understand international affairs, to recognize and accept cultural values of other nationalities, and to view world events from other viewpoints has become increasingly necessary. Students will be exposed to basic world geography, languages, international politics and conflict, global economics, cultural histories, environmental and agricultural issues, social justice issues, and sustainable development. The students in this FYI will meet international students and faculty, research other countries and cultures, and learn about and how to plan for study abroad opportunities, internships, and career opportunities. This class should prepare students for a senior capstone study abroad/away experience.

FYI 169AG Analyzing Adolescence**Credit 3 hours**

Adolescence spans the years from eleven to nineteen, a time of dramatic physical, emotional, and intellectual changes. Early, middle and late adolescent development is a unique time of life as puberty, changing gender roles, and more autonomous relationships with parents as peers grow and develop. Adolescent development will be explored from a variety of interdisciplinary perspectives.

FYI 169AH Fashionomics**Credit 3 hours**

A study of the historic, political, economic, psychological and social influences of fashion in the global community. Critical thinking and practical reasoning skills will be incorporated with the inquiry process to develop informed, conscientious consumer decisions.

FYI 169AI Relationships 2.0**Credit 3 hours**

Human relationships in the 21st century will be explored in all dimensions: social and familial, biological and physical, cognitive and psychological. Development of positive interpersonal relationships, improved communication skills, personal sexual health awareness, and responsible decision-making and critical thinking skills will be the focus of this study.

FYI 169MU Opening Pandora's Music Box**Credit 3 hours**

Music is universal to world cultures, and music can act as a language. However music is not a universal language. How is music produced? What are the fundamental components? What is common to different cultures? Opening Pandora's Music Box explores the physiology and cultural aspects of creating music. Students will explore the motivation for the creation and appreciation of music. The course culminates with a project creating new sounds. This course satisfies 3 credit hours toward Essential Studies outcome 1.

GEOGRAPHY

GEOG 231 Physical Geography**Credit 3 hours**

Survey of the atmosphere, lithosphere, hydrosphere, and biosphere including a topical analysis of land forms, weather and climate, soils, and vegetation. Emphasis is on understanding processes of and relationships between the spheres. This course meets the Essential Studies Physical Science non-lab requirement.

GEOG 232 Cultural Geography**Credit 3 hours**

Geographical relationships and interactions of cultural, social, economic, ethnic, and political phenomena. Topical approach to population sub-groups, migration, religions, languages, urban and rural settlements, and other attributes of the cultural landscape.

GEOSCIENCE

GEOS 130 Earth Science**Credit 3 hours**

Introductory survey of the four earth sciences; geology, oceanography, meteorology, and astronomy. Designed to help non-scientists gain a greater appreciation of the global physical environment, and to understand interactions of society with that environment. One or more field trips may be required. Credit cannot be applied toward an earth science subject endorsement, physical science major, or any geoscience minor.

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- GEOS 137 Environmental Geology** **Credit 3 hours**
Considers effects of human interaction with the physical environment, both in terms of natural phenomena such as earthquakes and floods, which affect human lives, and resource use, in which humans change their environment. One or more field trips will be required.
- GEOS 230 Natural Hazards and Disasters** **Credit 3 hours**
The cause and effects of natural disasters can be understood using an Earth system science approach. Science and technology are limited in their ability to predict disasters. Recognizing these limitations, students will explore the roles of individuals in broader societal issues relating to disaster preparedness, damage and cost mitigation as they relate to natural hazards.
- GEOS 231 Physical Geology** **Credit 3 hours**
Introduction to the fundamentals and language of physical geology, to aid in understanding the solid Earth, its origin, constituents, and surficial features, and the appreciation of the dynamic nature of our planet. Concurrent enrollment in GEOS 231L required.
- GEOS 231L Physical Geology Laboratory** **Credit 1 hour**
Laboratory exercises will introduce the tools geologists use to interpret Earth processes: minerals and rocks, maps, and aerial photographs. One or more field trips will be offered. Concurrent enrollment in GEOS 231 required.
- GEOS 234 Earth System History** **Credit 3 hours**
Highlights changes through time in the Earth system, including the solid Earth, the oceans and water on land, evolution of the atmosphere, and evolution of life as seen through the fossil record. The systems approach seeks out and analyzes interactions between these different components. Concurrent enrollment in GEOS 234L required.
- GEOS 234L Earth System History Laboratory** **Credit 1 hour**
Laboratory exercises will introduce the tools used to understand changes in the Earth system through time. Includes identification of the major fossil groups, and analysis of geologic, oceanographic, atmospheric and paleontologic data. Taken concurrently with GEOS 234.
- GEOS 270 Topics in Geoscience** **Credit 1-3 hours**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- GEOS 310 Capstone I: Research Seminar** **Credit 1 hour**
The student will choose a topic for research and conduct a literature survey of that topic. Preliminary results and a plan for conducting further independent research on the topic will be presented in oral and written form during the semester. Normally taken during the student's junior year.
- GEOS 320 Supervised Study in Laboratory and Field Methods** **Credit 1-2 hours**
Students will prepare, supervise, and evaluate laboratory and field exercises under the direction of faculty members. Designed to give students practical experience teaching in the laboratory and field setting.
- GEOS 321 Introduction to GPS** **Credit 1 hour**
Principles and applications of the global positioning system. Emphasis is on mapping and other uses applied to geoscience field problems. Field trips may be required.
- GEOS 322 Introduction to GIS** **Credit 3 hours**
Principles and applications of geographic information systems with emphasis on ArcView® software. Students will address solutions to real-world problems using Geographic Information Systems. Field trips may be required. Recommended Pre-requisite: GEOS 321.
- GEOS 337 Paleontology** **Credit 3 hours**
A systematic survey of invertebrate phyla and vertebrate classes most important in the fossil record. Concurrent enrollment in GEOS 337L required. Pre-requisite: GEOS 234/234L or approval of instructor.

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- GEOS 337L Paleontology Laboratory** **Credit 1 hour**
Examination of fossil invertebrates and vertebrates in laboratory and field. Concurrent enrollment in GEOS 337 required.
- GEOS 338 Rocks and Minerals** **Credit 3 hours**
Introduction to mineralogy, and optical mineralogy in the context of rocks and interpretation of rock-forming environments. Possibly one or more field trips required. Pre-requisite: GEOS 231/231L or approval of instructor.
- GEOS 390 Internship in Geoscience** **Credit 1-12 hours**
Provides practical experience as a geoscientist in government, business, or industry. Open to upper division students majoring in the area of geoscience. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- GEOS 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in a geoscience area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of instructor, Dean of Curriculum and Graduate Studies and the Academic Vice President is required.
- GEOS 401 Capstone II: Senior Research** **Credit 2 hours**
Independent research projects based on the results presented in GEOS 310. Data collection, analysis, and presentation of scientific papers. Normally taken during the student's Junior or Senior year. May be repeated for a total of up to six hours of credit. Pre-requisite: GEOS 310.
- GEOS 410 Capstone III: Senior Research Thesis** **Credit 1 hour**
Research thesis is completed and presented at the Nebraska Academy of Sciences or other regional or national scientific forum approved by the faculty. Required field trip in late April. Normally taken during the student's senior year. Pre-requisite: GEOS 401.
- GEOS 426A Microscopy Theory** **Credit 1 hour**
Microscopic principles and techniques focusing on the use of microscopes in scientific inquiry and diagnosis. Includes light and optic theory, specimen preparation, image collection and interpretation, and types of research microscopes. Recommend taking with GEOS 426B. Pre-requisites: 12 hours of Biology/Geoscience credit, or approval of the instructor. Cross-listed as BIOL 436A.
- GEOS 426B Introduction to Scientific Research** **Credit 2 hours**
Scientific research methodology, including development of testable hypotheses, research design, data analysis introduction, grant proposal writing, and writing research papers. Recommend taking with GEOS 426A. Pre-requisite: 12 hours of Biology/Geoscience credit, or approval of the instructor. Cross-listed as BIOL 436B.
- GEOS 430 Special Topics in Geoscience** **Credit 1-3 hours**
To meet special needs of Geoscience students. May be repeated with different topics and approval of instructor for a total of 6 credit hours.
- GEOS 431 Geology of Water Resources** **Credit 3 hours**
An introduction to the origin and nature of groundwater, its interaction with surface water, geological methods of groundwater exploration, and factors affecting water supply and quality. One or more field trips required.
- GEOS 432 Structural Geology** **Credit 3 hours**
Description and analysis of geologic structures and the regional and global tectonic forces that produce them. Possibly one or more field trips required. Pre-requisite: GEOS 231/231L or approval of instructor.
- GEOS 434 Introduction to Oceanography** **Credit 3 hours**
An earth-system approach to study of the oceans. Includes discussion of physical and biological phenomena in the oceans; analyzes interactions among the hydrosphere atmosphere and geosphere; and considers humans as stewards of ocean resources. Field trips may be required.

GEOS 435 Field Experience in Geoscience **Credit 1-3 hours**
Typically a one to three week workshop. Field excursions to study major geologic features and provinces in North America or elsewhere. Pre-requisite: Approval of Instructor.

GEOS 436 Field Excavation and Procedures **Credit 1-3 hours**
A summer workshop designed to give the student field experience in the development of paleontological sites. Pre-requisite: Approval of Instructor.

GEOS 438 Petroleum Geology **Credit 3 hours**
The origin, characteristics, occurrence, exploration, and development of/for petroleum. Possibly one or more field trips. Pre-requisite: GEOS 231/231L or approval of instructor.

GEOS 439 Sedimentology and Stratigraphy **Credit 3 hours**
The origin and characteristics of sedimentary rocks. Pre-requisite: GEOS 231/231L and 234/234L; GEOS 338 recommended; or approval of instructor. Concurrent enrollment in GEOS 439L required.

GEOS 439L Sedimentology and Stratigraphy Laboratory **Credit 1 hour**
Laboratory and field studies of sediments and sedimentary rocks. Concurrent enrollment in GEOS 439 required.

GEOS 446 Field Camp **Credit 3-6 hours**
Intensive experience in field data collection leading to the solution of geologic problems; construction of geologic maps, stratigraphic columns, cross-sections; preparation of reports. Course conducted off-campus. Pre-requisites: GEOS 338, 431, 432 and 439, or approval of instructor. Instructional fee required.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

HPER 50 Adult Community Recreation **Credit 1 hour**
Basic recreational activity designed for the adult learner. Emphasis will be placed on flexibility, strength, and cardiovascular maintenance.

HPER 100 Individualized Fitness **Credit 1 hour**
An independently designed program to allow students to individually follow programs to meet their fitness needs.

HPER 103 Golf **Credit 1 hour**
The rules of play, golf etiquette, woods, short iron shots, approach shots, putting, and regular play are emphasized. Additional fees required.

HPER 107 Individual Sport Activities **Credit 3 hours**
The Individual Sport Activities course will expose students to the necessary playing rules and participation skills for a variety of individual sports, which will allow for positive lifestyle changes through the involvement in lifelong activities. Individual Sport Activities may include but not be limited to, Bowling, Golf, Tennis, Racquetball, Frisbee Golf, Etc.

HPER 108 Fitness Activities **Credit 3 hours**
The Fitness Activities course will expose students to the necessary rules and skills for a variety of lifetime fitness activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Fitness Activities may include but not be limited to, Aerobics, Weight Training, Physical Fitness, Fitness Testing, Pilates, etc.

HPER 110 Physical Fitness **Credit 3 hours**
Fundamentals, concepts, and design of individual fitness programs and participation in a variety of fitness activities.

HPER 111 Social Dance Activities**Credit 3 hours**

The Social Dance course will expose students to the history of dance, various styles of dance, and the acquisition of a variety of developmental dance steps to successfully participate in a social dance setting. This will allow for positive lifestyle changes through the involvement in lifelong activities. Social Dance may include but not be limited to a wide variety of cultural dances such as; Folk Dance, Latin Dance, Round and Square Dance, Ballroom dance, and Country Western Swing/line Dance.

HPER 112 Aquatics**Credit 1 hour**

To develop an intermediate level of swimming ability.

HPER 120 Outdoor Activities**Credit 3 hours**

The Outdoor Adventure Activities course will expose students to the necessary rules and participation skills for a variety of outdoor adventure activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Outdoor Adventure Activities may include but not be limited to Canoeing, Fishing, Hiking, Mountain Biking, Cross Country Skiing, etc.

HPER 122 Foundations of Health and Physical Education**Credit 2 hours**

Overview of latest thinking and research that form the foundations of Health and Physical Education and exploration of career preparation and opportunities in the field.

HPER 134 Introduction to Athletic Training**Credit 1 hour**

Prevention and basic first aid skills necessary to manage common injuries associated with sports, as well as provide techniques in emergency life support. This course will not fulfill any requirements for departmental endorsements.

HPER 207 Team Sports Activities**Credit 3 hours**

The Team Sport Activities course will expose students to the necessary playing rules and participation skills for a variety of team sports, which will allow for positive lifestyle changes through involvement in the provided lifelong activities.

HPER 209 Advanced Fitness Activities**Credit 3 hours**

The Advanced Fitness Activities course will expose students to the necessary rules and skills for a variety of lifetime fitness activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Advanced Fitness Activities may include but not be limited to Advanced Weight Training, Powerlifting, Triathlon, Ironman, etc. This course requires Medical Permission for enrollment.

HPER 220 Theory and Principles of Coaching**Credit 2 hours**

Principles necessary to become a successful coach. Coaching theories, seasonal planning, practice planning, training methods, communication, administration, and other common coaching issues will be discussed.

HPER 221 Camp Counseling**Credit 2 hours**

History and outcomes of camping and the responsibilities of the camp counselor. The planning and administration of camp activities. Preparation of students for counseling and school camping.

HPER 223 Aquatics and Water Safety**Credit 3 Hours**

The Aquatic and Water Safety Activities course will expose students to the necessary safety rules and participation skills for a variety of aquatic activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Aquatic and Water Safety Activities may include but not be limited to, a variety of swimming techniques, Lifeguard Training, and Water Safety Instruction.

HPER 226 Safety and First Aid**Credit 2 hours**

Safety in and around the school and home. Includes American National Red Cross First Aid and Cardiopulmonary Resuscitation certification.

HPER 232 Anatomical and Physiological Kinesiology**Credit 3 hours**

Detailed work on the skeletal muscular system with direct application to movement, stretching and strengthening of the skeletal muscles. Study of the nervous, skeletal, muscular, circulatory, and respiratory systems of the body as it applies to, and is affected by exercise.

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- HPER 233 Personal Health and Wellness** **Credit 3 hours**
Knowledge and practice in making decisions which affect the quality of life. Developing positive attitudes toward emotional and physical fitness. An emphasis on personal health assessment, awareness and individual program planning.
- HPER 234 Introduction to Recreation** **Credit 3 hours**
Basic concepts and philosophies of recreation and leisure, to explore the employment opportunities in the field of recreation, and to gain practical experience in designing, organizing, and conducting a variety of recreational activities.
- HPER 236 Health Topics** **Credit 3 hours**
Designed to provide the Health Educator with an in-depth knowledge base in current Health Problems in Contemporary Society.
- HPER 321 Coaching Techniques—Football** **Credit 2 hours**
Fundamentals and coaching techniques in football. Pre-requisite: HPER 220.
- HPER 322 Coaching Techniques—Basketball** **Credit 2 hours**
Fundamentals and coaching techniques in basketball. Pre-requisite: HPER 220.
- HPER 323 Coaching Techniques—Volleyball** **Credit 2 hours**
Fundamentals and coaching techniques in volleyball. Pre-requisite: HPER 220.
- HPER 325 Teaching Individual and Dual Sports** **Credit 3 hours**
Techniques of teaching and coaching the individual and dual sports which may be taught to the recreation or public school student
- HPER 329 History of Physical Education** **Credit 2 hours**
Introduction to the historical development of physical education from ancient to modern times.
- HPER 333 Leadership in Recreation** **Credit 3 hours**
Considers problems in community recreation pertaining to leadership styles, leadership roles in the areas of facilities, programs, activities, methods of organization, and administration. Pre-requisite: HPER 234.
- HPER 335 Organization and Administration of Health, Recreation, Physical Education and Athletics** **Credit 3 hours**
A study of administrative practices and their application to the fields of Health, Physical Education, Recreation, and Athletics.
- HPER 336 Fitness Evaluation & Exercise Prescription** **Credit 3 hours**
Integrate the principles and theories of exercise physiology, kinesiology, nutrition, psychology, and measurement with application to physical fitness testing and individualized exercise program design. Pre-requisite: HPER 232
- HPER 339 Theory of Physical Education K-8** **Credit 3 hours**
Accepted theories and philosophies of kindergarten through eighth grade physical education. Special emphasis is given to theories of individual and team sports, the curriculum, the role of the teacher, and the needs of students in the Physical Education setting K-8.
- HPER 400 Independent Study or Research** **Credit 1-4 hours**
Designed to permit students to participate in more individual investigations and individualized courses of study. Permission of Academic Dean and Department Chair required.
- HPER 421 Philosophical and Psychological Foundations of Sport** **Credit 2 hours**
Philosophical, sociological, and psychological aspects of coaching. Pre-requisite: HPER 220.

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- HPER 422 Introduction to Adapted Physical Education** **Credit 3 hours**
An overview of Adapted Physical Education. Designed to introduce students to the requirements of special needs in Physical Education as required in IDEA Amendments of 1997. Emphasis on all types of movement experiences for special populations.
- HPER 423 Coaching Techniques—Wrestling** **Credit 2 hours**
Fundamentals and coaching techniques in wrestling. Pre-requisite: HPER 220.
- HPER 424 Coaching Techniques—Track** **Credit 2 hours**
Fundamentals and coaching techniques in track. Pre-requisite: HPER 220.
- HPER 425 Coaching Techniques—Golf & Tennis** **Credit 2 hours**
Fundamentals and coaching techniques in golf & tennis. Pre-requisite: HPER 220.
- HPER 426 Coaching Techniques—Baseball & Softball** **Credit 2 hours**
Fundamentals and coaching techniques in baseball & softball. Pre-requisite: HPER 220.
- HPER 427 Rhythmic Movement** **Credit 2 hours**
Review of rhythmic activities and the methods of teaching rhythmic movements to the elementary and secondary school student. Students will learn to perform a variety of rhythmic activities and the methods of teaching educational dance.
- HPER 429 Motor Movement** **Credit 3 hours**
The exploration and explanation of materials, methods, and mechanisms that underlie the learning and performance of motor skills and practical experience in designing and implementing physical education activities, which develop fundamental and sport-related movement skills.
- HPER 430 Seminar in HPER** **Credit 1-3 hours**
Investigation of special topics in health, physical education, or recreation through group study. Attempts will be made to meet the needs of groups of students. The seminar may be repeated.
- HPER 431 Community and Environmental Health** **Credit 3 hours**
Survey of community and public health, including the basics of health organizations, environmental health problems, and dilemma of health care delivery, selected diseases, and innovations in community health. Pre-requisite: HPER 236.
- HPER 432 Tests and Measurements in Physical Education** **Credit 3 hours**
The history of measurements in physical education, the selection and administration of appropriate tests, and the integration of their results by statistical procedures.
- HPER 433 Advanced Athletic Training** **Credit 3 hours**
Designed for students who want to pursue a career in athletic training; required for NATA certification. Pre-requisite: HPER 134.
- HPER 435 Curriculum Planning in Physical Education and Health** **Credit 3 hours**
A study and evaluation of present day trends in physical and health education. A discussion of principles and procedures for curriculum construction and criteria for the selection of activities and judging outcomes.
- HPER 436 Outdoor Adventure Skills** **Credit 3 hours**
To acquaint prospective teachers and recreationists with the concepts of outdoor adventure skills. To better understand the use of personal leisure time in the out-of-doors. Pre-requisite: HPER 120. Additional fees required.
- HPER 437 Legal Aspects of Sports and Recreation** **Credit 3 hours**
Study of the law and implications relative to physical education and sport. Emphasis on safety procedures, preventive measures and legal responsibilities of the coach/administrator.

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- HPER 439 Biomechanics of Sports** **Credit 2 hours**
Improve ability to teach physical education and to coach athletic teams by learning to analyze a variety of sports activities in terms of fundamental principles of mechanics. Must be taken concurrently with HPER 439L. Pre-requisite: HPER 232, or permission of Department Chair.
- HPER 439L Biomechanics of Sports Lab** **Credit 1 hour**
Lab experience in Biomechanics of Sports. Must be taken concurrently with HPER 439.
- HPER 440 Prevention and Care of Athletic Injuries** **Credit 3 hours**
Knowledge and practice in the care of athletic injuries and physical conditioning.
- HPER 441 Coordinated School Health Program** **Credit 3 hours**
Building on the foundation in school health education, this course will provide the knowledge and skills needed to investigate, define, design, implement, and evaluate comprehensive coordinated school health programs. Focus on the health and physical activity components of the Coordinated School Health Program (CSHP) model. Pre-requisite: HPER 236.
- HPER 449 Event and Facility Management** **Credit 3 hours**
Explorations into the proper steps necessary to successfully plan and implement events associated with Recreation and Sport. Evaluation of the procedures utilized in the effective management of Recreation and Sport facilities.
- HPER 453 Sports Officiating** **Credit 3 hours**
This course is designed to acquaint the student with the qualifications, philosophies, principles, and techniques governing the art of officiating sports. Pre-requisite: HPER 220.
- HPER 490 Internship in Health, Physical Education, Recreation** **Credit 1-12 hours**
Provides practical experience in physical education, recreation, coaching or athletic training. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours. Pre-requisites: Identification of required internships and Pre-requisites for each as follows:
- a. Recreation: HPER 226, 234, 333, 335, and 437
 - b. Coaching: HPER 220, 335, and appropriate techniques courses (Note: Education students should not do their coaching internship while on Block or student teaching.)
 - c. Athletic Training: HPER 226

HISTORY

- HIST 151 U.S. History to 1877** **Credit 3 hours**
Political, social, and economic development of the United States from the earliest explorations through the Civil War: colonial settlements, the formation of the Republic, the growth of nationalism, territorial expansion, the development of sectionalism, Civil War, and Reconstruction.
- HIST 152 U.S. History Since 1877** **Credit 3 hours**
Continuation of HIST 151, from the end of Reconstruction to the present: the emergence of modern America, the rise of the city, the growth of industry, the organization of labor, the growth of democracy, and the evolution of foreign policy.
- HIST 171 World History to 1500** **Credit 3 hours**
Survey of World Civilizations from the prehistoric and ancient periods to the rise of the modern era, circa 1500 with emphasis upon political, religious cultural, economic and social movements.
- HIST 172 World History Since 1500** **Credit 3 hours**
Survey of World History from 1500 to the present with emphasis upon political, religious cultural, economic and social movements.

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- HIST 210 Power and Institutions** **Credit 3 hours**
Course analyzes the historical process of power formation and its relationship with institutions. The class analyzes the differing articulations of power evidenced in a wide array of institutions; to include, the family; the nation-state; the supra-national and the ideological.
- HIST 220 The Global and Identity** **Credit 3 hours**
Course investigates the historical process of globalization and its effect on identity. The course places emphasis on how both connectivity and distance influenced individual and group identity, examining emigration, immigration, and the creation of diasporic communities.
- HIST 230 Exchange and the Environment** **Credit 3 hours**
Course considers historical spatial views and perspectives of place. The class stresses the ongoing process of exchange among people and the environment by investigating the development of economic, scientific, and technological perspectives and concomitant knowledge creation
- HIST 240 Belief and Culture** **Credit 3 hours**
Course studies how the historical changes and continuities of beliefs shape human culture. The class places emphasis on changing belief systems over time; the role of religion in cultural values; the advancement of science and knowledge and their relationship with culture and the ideological norms of differing cultures.
- HIST 351 Ancient West** **Credit 3 hours**
This course investigates the history of the West from the Neolithic period through the Middle Ages. In addition to historical works, this course analyzes the subject through other cognate social sciences, with special emphasis on anthropology.
- HIST 352 Europe: Renaissance to World War** **Credit 3 hours**
This course investigates the history of Europe from the Renaissance to the early twentieth century. In addition to historical works, this course analyzes the subject through other cognate social sciences, with potential disciplines including political science, sociology, anthropology, economics, and psychology.
- HIST 353 Europe Since 1914** **Credit 3 hours**
The end of the old order in Europe, the age of conflict and ideology, and the rise of mass movements from World War I to the present.
- HIST 354 US Colonial and Early Republic** **Credit 3 hours**
Study of the rich variety of themes in Early America from Indian cultures to the appearance and development of European colonies in America and the evolution of these colonies through the Early Republic.
- HIST 355 US in the Nineteenth Century** **Credit 3 hours**
Traces the history of the United States in the Nineteenth Century, including the rise of sectionalism, the Civil War, Reconstruction, the Gilded Age, and the early Progressive Era.
- HIST 356 America in the Twentieth Century** **Credit 3 hours**
A study of the growth of the United States during the Twentieth Century with an emphasis on the evolution of political institutions, the United States as a world power, civil rights issues, and the main intellectual and cultural currents in this century of rapid change.
- HIST 361 North American West** **Credit 3 hours**
This course investigates the American West to 1890, emphasizing the region as a contested meeting ground for various people. Significant Western themes, including expansion, violence, and the role of the federal government will be examined.
- HIST 362 Nebraska History** **Credit 3 hours**
This course investigates the history of Nebraska with emphasis on geographical, social, political, and economic factors. May require field trips.

HIST 363 American Indian History**Credit 3 hours**

This course investigates the history of Native America and Indian peoples from tribal origins to the present. Emphasizes cultural survival and cross-cultural exchange.

HIST 364 American Environmental History**Credit 3 hours**

Examines the history of the United States through its interactions with nature, from the colonial era to the present. In addition to examining the history of resource use, this course examines how the environment functions as a critical tool in defining cultural, political, and gender relationships among Americans.

HIST 365 History of Canada**Credit 3 hours**

This course investigates the political, social, and economic development of Canada from the formation of First Nations societies to the present.

HIST 366 History of Mexico**Credit 3 hours**

Mexican history from Pre-Columbian times to the country's democratic transition with a focus on post-independence Mexico. Political, economic, and socio-cultural developments as shaped by domestic and international contexts will be explored.

HIST 369 Subject and Citizen**Credit 3 hours**

Students will explore the historic relationship among individuals, peoples and governance. An evaluation of ancient forms of governance across diverse cultures; analysis of the development of the social contract and the connection to the modern state and an examination of both the duties and privileges historically derived from the status of subject and citizen. Stress placed on understanding the power of citizenship as well as its historic boundary creation and exclusion. Significant time spent on the evaluation of the new forms/challenges of citizenship in a globalizing world, especially the concept of global citizenship and non-nation state affiliation. By understanding the diverse and contested historical terrain of subject and citizen, students can conceptualize, problematize and navigate their own relationship to civic participation.

HIST 370 The Post-Colonial Condition**Credit 3 hours**

Students will investigate the post-colonial condition. Emphasis placed on the evaluation of modern colonialism's interaction with a host of differing environs and diverse human communities. The course analyzes the complex self-expressions and identities in this encounter and concentrates on the behaviors and voices arising from the resulting post-colonial condition. Significant time spent on how former colonized peoples claim different forms of belonging amidst the legacy of colonialism, which take on a host of different postures from fatalism to empowerment. The search for belonging and identity will be explored across many forms, to include the economic, cultural, political, and the ideological. Perhaps no form of modern identity has more potential for cooperation and conflict than those sought in former colonial spaces of Africa, the Caribbean, the Middle East and Southeast Asia. By understanding these often dislocating behaviors and voices students can critically engage with their own understanding of diversity and identity.

HIST 371 Ancient East**Credit 3 hours**

This course investigates the history of the South and East Asia from the emergence of the earliest civilizations until sustained contact with the West. In addition to historical works, this course analyzes the subject through other cognate social sciences, with special emphasis on anthropology.

HIST 372 Modern China**Credit 3 hours**

This course investigates the history of China from the nineteenth century to the present. In addition to historical works, this course also consults cognate social science areas, with potential disciplines including political science, sociology, anthropology, economics, and psychology.

HIST 373 The History of the Pacific Rim**Credit 3 hours**

The History of the Pacific Rim is a comprehensive interdisciplinary course covering the history, geography, economics, politics, and culture of the peoples who have inhabited the borders of the Pacific Ocean—including the United States, Canada, Russia, Japan, China, Vietnam, Indonesia, Australia, Oceania, and Latin America—over the past half-millennium. Topics will include environmental transformation, colonialism, international diplomacy, World War II, and globalization.

HIST 374 History of Middle East**Credit 3 hours**

This course investigates the history of the Middle East since the founding of Islam in the seventh century to the present day. In addition to historical works, this course also consults cognate social science areas, with potential disciplines including political science, sociology, anthropology, economics, and psychology.

HIST 375 History of Africa**Credit 3 hours**

This course investigates the history of Africa from the pre-historic to the present day. In addition to historical works, this course analyzes the subject through other cognate social sciences, with potential disciplines including political science, sociology, anthropology, economics, and psychology.

HIST 376 Latin American History**Credit 3 hours**

History of Latin American nations covering the periods of conquest, colonization, and independence, with emphasis on social, political, and educational developments.

HIST 390 Internship in History**Credit 1-12 hours**

Provides practical historical experience while employed with a museum or historical society, government agency, business, or industry. Open to upper division students major in one of the social sciences. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

HIST 400 Independent Study**Credit 1-3 hours**

Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of Instructor, Dean and Academic Vice President is required.

HIST 401 Cuba Libré**Credit 1-3 hour**

This course allows students to have a study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469. Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding Self-Reflective essay (required of all participants).

HIST 402 Cuba Libre´**Credit 3 hours**

This course promotes an understanding of diversity by analyzing Modern Cuba. Cuba is Spanish-speaking and the longest running Socialist state in the Western Hemisphere. An on-the-ground study abroad experiences cements this learning for students and is especially unique as it is difficult for citizens of the United States to travel to Cuba.

Using an interdisciplinary approach, the course will investigate the historical path to the revolution of 1959, the cultural, political, social and economic dimensions of Cuban society pre and post revolution, the position of Cuba in the larger world (with special emphasis on the US-Cuban relationship) and asks problem-based queries of internal Cuban society as well as interrogations of its regional and international role.

This course encourages students to develop research queries depending on their intellectual and scholarly interests. The course will combine lecture, reading, classroom discussion, collaborative learning and a study abroad experiential component.

HIST 455 Process in US/European History**Credit 3 hours**

Course applies a process-based theme to US and/or European history, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

HIST 460 American Military History**Credit 3 hours**

This course is a comprehensive but brief account of American Military from 1763 to the present. This is a study of how societies form their institutions for their collective security and how those institutions operate in peace and war. It includes the entire range of economic, social, legal, political, technological, and cultural issues that arise from the state's need to organize violence to preserve its existence and accomplish its national goals.

HIST 465 Process in North American West History **Credit 3 hours**
Course applies a process-based theme to the North American West, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

HIST 475 Process in World History **Credit 3 hours**
Course applies a process-based theme to World history, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

HIST 495 Seminar in the Social Sciences **Credit 3 hours**
Seminar is required for all History, History Education and Social Science majors. Students will understand Social Science methodologies and integrate knowledge and skills developed over the curriculum. Culminates the interdisciplinary focus of the program and produces a synthetic understanding of a topic/problem that is demonstrated in original scholarly research. Cross-listed with SS 495.

HUMANITIES

HUM 160 Introduction to the Humanities **Credit 1-3 hours**
An introduction to the interdisciplinary study of humanistic knowledge, inquiry, and values focusing on connections among humanities disciplines. May be repeated with a change in emphasis.

HUM 231 Humanistic Perspectives **Credit 3 hours**
The formal study of cultural ideas and values as they achieve expression through the arts and philosophy. Themes and topics may vary.

HUM 232 The Humanistic Tradition I: The Classical World **Credit 3 hours**
Introduction to the thought, values, and arts of Western culture from the Archaic Greek age through the end of the Roman Empire. Readings and discussions focus on literature, philosophy, the arts, and religion.

HUM 233 The Humanistic Tradition II: The Medieval World and Renaissance **Credit 3 hours**
Introduction to the thought, values, and arts of Western culture from the rise of Christianity in the Middle Ages through the waning of the European renaissance in the sixteenth century, including the Protestant Reformation and Counter-Reformation. Readings and discussions focus on literature, philosophy, religion, and the arts

HUM 234 The Humanistic Tradition III: The Age of Enlightenment and Romanticism **Credit 3 hours**
Introduction to the thought, values, and arts of Western culture from the mid-sixteenth century Scientific Revolution through the early nineteenth century British, Continental, and American Romantic movements. Readings and discussions focus on literature, philosophy, religion, and the arts.

HUM 235 The Humanistic Tradition IV: Modernism and Post-Modernism **Credit 3 hours**
Introduction to the thought, values, and arts of Western culture from the beginnings of modernism in the mid-nineteenth century through our own contemporary era. Readings and discussions focus on literature, philosophy, cinema, religion, and the arts.

HUM 301 Beat Culture: Film, Philosophy, Literature **Credit 3 hours**
This is an interdisciplinary humanities course where we will explore the lives, work, and legacy of the Beat Generation, with a special focus on its “founders”. Discussions will include music, the art of the Abstract Expressionists and the huge culture industry that has grown up around the Beats.

HUM 302 Film and Philosophy **Credit 3 hours**
This course will examine recent work in the philosophy of film, focusing on the relationship between film and philosophy and exploring in depth the idea of ‘film as philosophy’.

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- HUM 303 Modernism and Manifestos** **Credit 3 hours**
This is an interdisciplinary humanities course where we will explore the history of the manifesto as a lens through which to examine the intersection of art, philosophy, literature, and film in the late-nineteenth and twentieth century.
- HUM 330 Arms and Men: Crisis and Conflict in the Humanities** **Credit 3 hours**
This course will investigate notions of human conflict and aggression through the humanistic perspective. This course will strive to determine whether human conflict is an inevitable part of the human condition.
- HUM 332 Love and Desire in the Western Tradition** **Credit 3 hours**
A study of the development of Western notions of romantic love from the classical age to the present. Readings and discussions focus on literature, philosophy, history, the arts, and religion.
- HUM 333 Exploration in the Humanities** **Credit 3 hours**
An in-depth analysis of a key concept in humanistic thought and expression or of a major contemporary issue from an interdisciplinary humanities perspective.
- HUM 334 Introduction to Film** **Credit 3 hours**
An examination of the art of film. Field trips may be required.
- HUM 335 Comparative Religions** **Credit 3 hours**
An exploration of the various philosophical approaches basic to the study of religion. Examines a variety of religious experiences and beliefs in the comparative context of world religions.
- HUM 336 High Plains Humanities** **Credit 3 hours**
An integrative study of the diverse cultural expressions by and about peoples living in the High Plains region of America past and present, including Native Americans. Artifacts and areas of study will include literature, visual and performing art, religion, architecture, design, and film.
- HUM 369 Philosophy and Documentary Film** **Credit 3 hours**
HUM 369 satisfies the 3 credit hour requirement for outcome #9 of the Essential Studies Program. In his definition of documentary film, film historian Bill Nichols posits kinship between documentary film practices and what he calls “discourses of sobriety.” These include science, economics, politics, education, and religion as systems of knowledge and social organization which have ‘instrumental power’ in shaping the social process, especially around ideas of the ‘real’ or ‘truth.’ While not always on equal footing with these other discourses, documentary film is capable of being a powerful tool of intervention in the social sphere. In this class we will study documentary film by considering fundamental concepts of form, style, and subject matter, as well as issues of objectivity and deception, cinematic representation, the social utility of film, artistic progress, and the relation between truth and socio-political progress.
- HUM 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in area of special interest. Permission of Instructor and Dean is required.
- HUM 401 Cuba Libré** **Credit 1-3 hour**
This course allows students to have a study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469. Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding Self-Reflective essay (required of all participants).
- HUM 432 World Mythology** **Credit 3 hours**
A survey of world mythology as major sources of inspiration, allusion, and imagery in the expressive arts.

LEGAL STUDIES

- LS 231 Introduction to Legal Studies** **Credit 3 hours**
A study of the American legal system and the people who make it work. This course first introduces the role of legal professionals (lawyers and paralegals) and provides a general knowledge of the legal system structure and dispute resolution processes. Students then explore major substantive areas of law, examine the ethical rules governing legal work and learn basic legal skills such as case briefing, legal analysis, and legal research.

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- LS 232 Litigation/Civil Procedures Credit 3 hours**
A study of the process used to resolve legal disputes. This course will examine the federal and state rules of civil procedures, including the drafting of complaints, answers, pre-trial motions, interrogatories, depositions and other documents, discovery, jurisdiction, and the aspects of trial practice.
- LS 233 Torts Credit 3 hours**
An overview of basic personal injury and property damage law within the American legal system. Actual cases and hypothetical examples are used to illustrate the law of intentional torts, negligence, strict liability and tort defenses. Emphasis is placed on developing a working knowledge of substantive tort law through the development and analysis of facts, the construction and evaluation of alternative arguments, and the drafting of a variety of documents that are the basis for trial preparation.
- LS 235 Administrative Law Credit 3 hours**
A study of the role and function of administrative agencies in contemporary society. This course focuses on the law governing agency discretion, rulemaking, enforcement, and decision-making powers. Special emphasis is given to administrative procedures and public rights.
- LS 236 Family Law Credit 3 hours**
A study of the law governing families. This course explores the substantive law of marriage, divorce, legal separation, child support and custody, property division, alimony, decree modification and enforcement, and adoption. Special emphasis is placed on the drafting of documents necessary in family law cases.
- LS 238 Legal Research and Writing I Credit 3 hours**
A study of basic legal research and legal analysis. This course focuses on how to locate and analyze legal resources including constitutions, statutes, administrative rules and regulations, and cases. The fundamentals of legal writing, including legal citation, will be introduced. Special emphasis will be given to online legal research.
- LS 323 Law and the American Society Credit 3 hours**
A study of the nature and function of the American legal system and its interrelationship with our social, political and economic institutions. This course examines the nature, functions, and limits of law and its impact on economic, political, and social institutions. Emphasis will be placed on debates of current legal issues.
- LS 331 Criminal Law Credit 3 hours**
A study of the general principles of criminal law and the specific elements of particular crimes. This course examines the sources of criminal law, the constitutional limitations on criminal law, the basic proof requirements for specific crimes, and the various defenses to criminal liability. Pre-requisite: LS 231 or CJ 231. Cross-listed as CJ 331.
- LS 332 The Law of Contracts Credit 3 hours**
The study of privately created obligations and duties through agreement. This course introduces the law of contracts, including the elements of a contract, the formation of contracts, contract interpretation, obligations, third-party contract relationships, breach of contract, and remedies available. Emphasis is placed on the drafting and evaluation of contracts.
- LS 333 The Judiciary and Constitutional Law Credit 3 hours**
A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation. Cross-listed as CJ 333 and PS 333.
- LS 334 Criminal Procedures Credit 3 hours**
A study of the rule of law in action. Students will examine procedural limitations in processing an individual through the criminal justice system with special emphasis on arrest, search and seizure, interrogation, identification and exclusion of evidence. Cross-listed as CJ 334.

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- LS 337 Introduction to Law** **Credit 3 hours**
A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system and considers economic, social, and political implications as they influence the development of a rule of law. Historical and present legal controversies will be examined. Cross-listed as CJ 337 and PS 337.
- LS 338 Legal Research and Writing II** **Credit 3 hours**
A study of advanced legal research and writing principles. This course focuses on case synthesis, the creation of factual and policy arguments, and counter-analysis. Emphasis is placed upon completion of legal research projects including preparation of interoffice memoranda, court briefs and legal correspondence. Pre-requisite: LS 238 or permission of instructor.
- LS 343 Commercial Law** **Credit 3 hours**
A study of the Uniform Commercial Code and related federal and state laws and their relevance to the law office environment and commercial business practice. This course will emphasize the sale of goods, negotiable instruments, bank deposits and collections, security agreements, and transactions in which personal property, such as equipment, inventory, or accounts receivable, serve as collateral for a debt.
- LS 390 Internship in Legal Studies** **Credit 1-12 hours**
The student will gain practical experience in a law office, court, judicial office, or other law related agency. Open to upper division students majoring in the area of legal studies. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- LS 400 Independent Study or Research** **Credit 1-3 hours**
Faculty-guided research in an area of mutual interest to the student and instructor. Students are responsible for selecting the area of inquiry prior to contacting the instructor. Pre-requisite: 15 hours of Legal Studies and permission of instructor and Dean.
- LS 431 Introduction to Estates and Trusts** **Credit 3 hours**
A study of the ownership of assets and planned distribution. This course will explore the procedures, techniques, and law governing the administration of estates and trusts. Special emphasis will be placed on the drafting of wills, simple trusts, probate documents and advanced healthcare directives.
- LS 432 Juvenile Law** **Credit 3 hours**
A study of the rights and duties of children, parents, and the state in both private and criminal arenas. This course examines the development of the legal status of children, constitutional rights of minors, the role of the state in relation to the family, state power to intervene in the lives of parents and children, and juvenile offenders in the justice system. Emphasis is placed on the juvenile justice process as it has developed in the United States. Cross-listed as CJ 432.
- LS 433 Rules of Evidence** **Credit 3 hours**
A study of evidence and the rules governing its use. This course examines what, how, and why certain objects or testimony should be admitted into, or excluded from, evidence in court. Topics include the problems of relevance, authentication, burdens of proof, presumptions, hearsay, opinion, and expert testimony. Pre-requisites: LS 231 or CJ 231. Cross-listed as CJ 433.
- LS 434 Law of Real Estate** **Credit 3 hours**
A study of the substantive law of real property, including legal descriptions, real estate finance, types of ownership, mechanics of transferring ownership, abstracts, title insurance, legal forms, and contract drafting.
- LS 435 Law of Business Organizations** **Credit 3 hours**
A study of sole proprietorships, partnerships, corporations and limited liability companies. This course will examine the advantages and disadvantages of different business entities and the formation and financial structure of each.

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- LS 436 Ethics/Professional Responsibility** **Credit 3 hours**
An overview of ethical considerations in the legal profession, including canons of ethics and ethical standards governing lawyers and Legal Assistants. The course examines client confidentiality, unauthorized practice of the law, conflicts of interest and disqualification, attorney-client privilege, the work product rule, financial matters, zealotry within the bounds of the law, and competence.
- LS 438 Topics in Law** **Credit 1-3 hours**
Topics selected to meet the needs of students in a special area of interest in law. Pre-requisite: LS 337 or CJ 337 or permission of instructor. Cross-listed as CJ 438.
- LS 442 Honors in Legal Studies** **Credit 1-3 hours**
Selected courses and topics designed for upper division students with a grade point average of 3.25 or above in all course work. May be repeated up to a maximum of twelve (12) semester hours. Pre-requisite: Permission of Instructor. Cross-listed as CJ 442.
- LS 443 Correctional Law** **Credit 3 hours**
Examines major legal issues surrounding sentencing, incarceration, probation, parole, pardon, and related topics. Provides a general overview of the law relating to persons in prison, jail or within the corrections system. Also investigates how civil and criminal law affects facilities, community-based corrections, and personnel working in the correctional system. Cross-listed as CJ 443
- LS 444 Topics in Commercial Law** **Credit 3 hours**
Topics selected to meet the needs of students in a special area of interest in commercial law. Pre-requisite: LS 231 or permission of instructor.
- LS 447 Applied Issues in Legal Studies** **Credit 1-9 hours**
Projects, workshops, field experiences and seminars that focus on a specialized area of Legal Studies. Cross-listed as CJ 447. Permission of instructor is required.

LIBRARY INFORMATION MANAGEMENT

- LMS 100 Information Literacy** **Credit 1 hour**
Student will be able to recognize an information need, access that information in multiple formats, evaluate/authenticate the information, discern the ethical implications of the knowledge construction and organize the information in a compelling and bibliographic manner. Cross-listed as EDUC 100.
- LMS 150 Introduction to Libraries** **Credit 3 hours**
Orientation to the library and the concept of information, including history and development, types of libraries and career opportunities, basic library concepts and issues, technology, terminology and trends.
- LMS 332 Organization of Resources** **Credit 3 hours**
Basic tools and techniques of cataloging and bibliographic control are introduced through the identification and application of the elements of bibliographic description, subject analysis, and classification with emphasis on the formation of MARC records for automated catalogs and cataloging systems. Pre-requisite: LMS 150
- LMS 333 Library Administration** **Credit 3 hours**
Introduces the basic principles of library management, including policies, planning, standards, budgeting, assessment, communications, public relations, staff supervision, cooperation, and library services. Pre-requisite: LMS 150
- LMS 334 Information Resources** **Credit 3 hours**
Selection and use of basic electronic and print resources appropriate to reference and information services. Understanding the nature, theory, and outcomes of information services work, including evaluation, selection, and use of the most appropriate resources. Special attention is paid to the process of question negotiation and diversity of customer needs. Pre-requisite: LMS 150

LMS 335 Selection and Assessment of Resources

Credit 3 hours

Fundamental principles of collection development. Characteristics and functions of media with an emphasis on the selection and evaluation of resources. Examines needs and interest, selection criteria, acquisitions procedures, collection assessment, as well as the implications of resource sharing and electronic sources for the collection development process. Pre-requisite: LMS 150

LMS 390 Internship in Library Media

Credit 1-12 hours

Provides practical work experience in college, public, school, or special libraries. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

LMS 400/500 Independent Study of Library and Media

Credit 1-3 hours

Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Dean's approval required.

LMS 432/532 Current Topics in Library Media

Credit 1-3 hours

Offered in three sections—a,b,c,—with a change of emphasis in each offering. The student researches in depth and discusses current developments with the attendant problems and promises in areas of a) Library and Media Customers, b) Information Services, and c) Current Library and Media Technology. Available to upper-level LMS students and to others with the approval of instructor.

LMS 434 Electronic Information Technology

Credit 3 hours

Consideration and use of electronic information resources and systems, including construction of searches, use of appropriate search systems/engines, evaluation of information sites, and evaluation and interpretation of search results. Pre-requisite: LMS 150

LMS 439 Procedures and Practice in Library Media

Credit 3 hours

Application of principles and techniques of educational library media to actual media programs. The college library and other libraries serve as laboratories and provide real practice under trained supervision. Pre-requisites: LMS 332, 333, 334, and 335.

MANAGEMENT

MGMT 160 Topics in Management

Credit 1-3 hours

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in management.

MGMT 230 Principles of Management

Credit 3 hours

Introduction to theories, principles and functions of current management practice. Special focus is given to management for a world in transition.

MGMT 330 Organizational Theory and Behavior

Credit 3 hours

Examines implications of organizational theory and organizational behavior for achievement of effective management. Organizational theory topics (a macro approach) include: structural design and its adaptations to goals, strategy, technology, environment, uncertainty, and social change. Organizational behavior topics (a micro approach) include: motivation, learning, leadership, communications, power and politics, decision making, and planned change. Pre-requisite: MGMT 230 or equivalent.

MGMT 430 Human Resource Management

Credit 3 hours

Principles and techniques of personnel management, including legislation affecting employers today, and practical applications of various personnel functions. The course covers the personnel functions of procurement, development, compensation, integration, and separation. Pre-requisite: MGMT 230 or equivalent.

MGMT 432 Production and Operations Management**Credit 3 hours**

Methods for managing ongoing operations of a firm, with emphasis on operations of a manufacturing organization with applications to service organizations. Topics include forecasting, master production scheduling, material requirements planning, purchasing, just-in-time inventory control, shop floor control, quality control, maintenance, and productivity. Pre-requisites: BA 241, 336; and MGMT 230 or equivalencies.

MGMT 434 Strategic Management**Credit 3 hours**

Capstone course for all business administration majors, providing a conceptual and methodological basis for integrating knowledge of the various business disciplines. Skills developed are applied to formulation and implementation of strategic and operating plans. The case method is used extensively throughout the course. Pre-requisite: Senior standing and all business core courses completed.

MGMT 460 Topics in Management**Credit 1-3 hours**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in management.

MARKETING/ENTREPRENEURSHIP

MKTG 160 Topics in Marketing/Entrepreneurship**Credit 1-3 hours**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in marketing/entrepreneurship.

MKTG 231 Principles of Marketing**Credit 3 hours**

Examines the marketing mix (price, product, promotion, and channels of distribution) in a dynamic social, economic, and political environment, with focus on the satisfaction of customer needs while achieving organizational outcomes.

MKTG 331 Sales Techniques**Credit 3 hours**

Techniques of professional selling are the primary emphasis, in addition to the role of the sales professional in the organization. Topics include individual and/or group sales presentations, relationship marketing, selection and management of sales personnel.

MKTG 334 Entrepreneurship – Imagination and Opportunity**Credit 3 hours**

Explores the creative process and help students identify their own creative problem-solving styles. Students will have to develop innovative solutions centered around a new product, service and process development. Students will learn to judge the quality of their creative solutions. Explore opportunities for product/service. Analyze the new product/service development process.

MKTG 335 Entrepreneurship – Business Start-Up**Credit 3 hours**

Provides an opportunity for students to identify characteristics necessary for a successful entrepreneur and assess their personal skills, attitudes, education, and experience. Explore opportunities for product/service. Analyze the new venture creation and funding avenues. Pre-requisite or co-requisite: MKTG 231 or equivalent or consent of instructor.

MKTG 336 Entrepreneurship – Promotions and Advertising**Credit 3 hours**

The use of advertising in marketing programs. Formulation, management, and evaluation of communication channels to achieve marketing objective. Advertising design, media selection, public relations, sales promotion, and advertising plans. Pre-requisite: MKTG 231 or equivalent.

MKTG 338 Buyer Behavior**Credit 3 hours**

The application of conceptual material to marketing strategies to reach both consumer and industrial buyers. Incorporates the behavioral sciences to marketing including theoretical concepts of buyer behavior. Pre-requisite: MKTG 231 or equivalent.

MKTG 435 Business and Marketing Strategy**Credit 3 hours**

A capstone course designed to acquaint the student with current business and marketing problems. Current readings on related business materials, in-depth studies of business/marketing plans and strategies, and/or business cases/business simulation. Pre-requisites: MKTG 231 and MGMT 230; and senior status, or equivalencies.

MKTG 439 Business and Marketing Research**Credit 3 hours**

Examines marketing research information for management decision making. Provides an understanding of marketing research. Examines alternative research strengths and weaknesses. Pre-requisites: BA 336 and MKTG 231 or equivalencies.

MKTG 460 Topics in Marketing/Entrepreneurship**Credit 1-3 hours**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in marketing/entrepreneurship.

MATHEMATICS

MATH 015 Pre-Algebra**Credit 3 hours**

A comprehensive review of arithmetic involving whole numbers, fractions, decimals, and signed numbers. Students will solve problems involving ratios, proportions, percent and geometry. Basic Algebra concepts including working with variables, simplifying expressions, solving equations, and graphing will be introduced. Students will be introduced to the basic features of a graphing calculator.

MATH 100 Pre-College Algebra**Credit 3 hours**

Problem-solving skills, applied algebra and geometry, and basic data analysis. The goal is to develop readiness for a college algebra or statistics course. This course does not meet Essential Studies or specific program requirements. Pre-requisite: MATH ACT of 16 or greater or permission of instructor.

MATH 132 Applied Mathematics**Credit 3 hours**

Mathematics with problem solving as the focus. Mathematical functions, measurement, the metric system, ratios, proportion, direct and inverse variation, graphing, and applications to technology. History of mathematics.

MATH 133 Introduction to Mathematics**Credit 3 hours**

Everyday mathematics with practical applications. Relationship of mathematics to the larger encompassing structure of mathematics. History of mathematics.

MATH 134 Plane Trigonometry**Credit 3 hours**

Angle measurement, circular functions, inverse trigonometric functions, trigonometric functions of an acute angle, solutions of right triangles, law of sines, law of cosines, additional theorems and related formulas, trigonometric identities, and applications. Pre-requisite: two years high school algebra or equivalent.

MATH 135 Pre-Calculus Mathematics**Credit 3 hours**

Algebraic Analysis of geometric figures. Functions include polynomial, rational, exponential, logarithmic, and trigonometric. Pre-requisite: three years of high school mathematics or equivalent.

MATH 137 Mathematics Topics for Elementary Teachers**Credit 3 hours**

Algebra operations, properties, functions and systems of equations and inequalities. Discrete mathematics topics, including logic, discounts, taxes, buying a house, credit cards, and problem solving. History of mathematics.

MATH 138 Applied Calculus**Credit 3 hours**

Differential and integral calculus with applications from business, economics, life sciences, physical sciences, and social sciences. Pre-requisite: Two years of high school algebra.

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- MATH 142 College Algebra** **Credit 4 hours**
A mathematical modeling approach to diverse real-world applications in many fields. Algebraic, exponential, and logarithmic functions are developed graphically, numerically, symbolically, and verbally. Graphing calculators and other technologies are used extensively as descriptive and problem solving tools. Pre-requisite: Math ACT of 19 or greater, or satisfactory completion of MATH 100 or equivalent, or permission of instructor.
- MATH 151 Calculus I** **Credit 5 hours**
Traditional approach to limits, continuity, differential calculus with applications, and an introduction to integral calculus. Pre-requisite: Advanced high school mathematics including trigonometry, or MATH 135, or equivalent.
- MATH 232 Applied Statistics** **Credit 3 hours**
Descriptive statistics and statistical inference, with applications from business, economics, life and social sciences. Pre-requisite: one year of high school algebra or equivalent. Cannot be used by Mathematics majors in their minor.
- MATH 235 Mathematics for the Elementary Teacher I** **Credit 3 hours**
Structure of the real number system and its subsystems, with emphasis on basic concepts and computational techniques. Elementary concepts of sets, numeration systems, elementary number theory, modular arithmetic, and calculators and computers as teaching tools. Does not apply toward Essential Studies mathematics requirement. Pre-requisite: MATH 137 or equivalent
- MATH 236 History of Mathematics** **Credit 3 hours**
Students will learn about the development of mathematics from the early Egyptian period to modern times, study prominent mathematicians and their major accomplishments, and know about many classical and modern mathematical problems.
- MATH 237 History and Foundations of Mathematics** **Credit 3 hours**
Logic, proof, relations, sets, functions, and history of mathematics. Pre-requisite: MATH 142 or equivalent, or MATH 151, or permission of instructor.
- MATH 238 Math for the Elementary Teacher II** **Credit 3 hours**
Geometry, probability, and statistics for elementary and middle grade levels. Pre-requisite: Math 235 or equivalent. Does not apply toward Essential Studies mathematics requirement.
- MATH 239 Discrete Mathematics** **Credit 3 hours**
Graph theory, matrices, recurrence relations, linear programming, difference equations, combinatorics, Boolean algebra, and trees. Applications included. Pre-requisite: two years high school algebra.
- MATH 252 Calculus II** **Credit 5 hours**
Integral calculus with applications of differentiation and integration. Sequences and series. Pre-requisite: MATH 151 or equivalent.
- MATH 270 Topics in Mathematics** **Credit 1-3 hours**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- MATH 330 Differential Equations** **Credit 3 hours**
Theory and solutions of ordinary differential equations and systems of differential equations. Modeling of science, engineering, and social science problem situations and phenomena. Pre-requisite: MATH 252.
- MATH 331 Probability and Statistics** **Credit 3 hours**
Descriptive statistics, exploratory data analysis, probability, random variables and probability distributions, inferential statistics, point and interval estimation, hypothesis testing, and correlation and regression. Applications from business, education, and science. Pre-requisite: MATH 151 or MATH 138.
- MATH 334 College Geometry** **Credit 3 hours**
Advanced plane geometry. Similar and congruent figures, logic, and constructions. Projective and other fields of geometry, both Euclidean and non-Euclidean. Pre-requisite: MATH 237 or permission of instructor.

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- MATH 336 Calculus III** **Credit 3 hours**
Multivariate calculus, infinite series, introduction to differential equations, line and surface integrals, and vector calculus. Pre-requisite: MATH 252 or equivalent.
- MATH 337 Linear Algebra** **Credit 3 hours**
Two-dimensional vector spaces, linear transformations of the plane, orthogonality, and inner products. Vector space of n-tuples, subspaces, linear dependence, dimension and basis, matrices, and determinants. Pre-requisite: MATH 138, or 151.
- MATH 338 Operations Research** **Credit 3 hours**
Game theory, linear programming, simplex method, duality, transportation and assignment problems, introduction to dynamic programming, and queuing theory. Applications of business and industrial perspectives. Pre-requisites: MATH 138 or 151, and MATH 232 or 331.
- MATH 339 Theory of Numbers** **Credit 3 hours**
Introduction to the ring of integers, Euclidean rings, divisibility, primes, primitive roots, indices, congruences, Diophantine equations, number-theoretic functions, and cryptography. Pre-requisites: MATH 237 or permission of instructor.
- MATH 390 Internship in Mathematics** **Credit 1-12 hours**
Provides practical experience as a mathematician in government, business or industry. Open to upper division students major in the area of mathematics. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- MATH 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of Instructor, Dean and Academic Vice President is required.
- MATH 401 Advanced Mathematics Education Perspectives** **Credit 3 hours**
A capstone course for students in the Mathematics 7-12 Field Endorsement and the Middle Grades (4-9) Mathematics Endorsement. Advanced perspectives addressing the teaching of algebra, pre-calculus, discrete mathematics for teachers, and introductory number theory are discussed. Emphasis is on the clear and precise explanations of mathematical ideas and the mathematical connections that are explored at these levels. Pre-requisite: Permission of instructor.
- MATH 410 Mathematics Seminar** **Credit 3 hours**
Research, development, and presentation of formal paper regarding some topic of interest in mathematics.
- MATH 429 Introduction to Modern Algebra** **Credit 3 hours**
An Axiomatic Approach to the real number system and group theory. Homomorphism, isomorphisms, rings, introduction to integral domains, fields and selected topics in abstract algebra. Pre-requisite: Completion of MATH 237 with a "C" or better, or permission of instructor.
- MATH 430 Topics in Mathematics** **Credit 1-3 hours**
Topics to meet the needs of students who have completed the regular course of study. Can be repeated with different emphasis for a maximum of 6 hours credit.
- MATH 433 Statistical Methods and Data Analysis** **Credit 3 hours**
Statistical research methods and modeling of statistical problems. Chi-square tests, analysis of variance, one-way and multi-factorial designs, multiple regression and correlation. Nonparametric methods. Use of calculators and personal-computer software. Pre-requisite: MATH 232 or equivalent.

MATH 434/534 Introductory Analysis**Credit 3 hours**

Structure of the real number line. Completeness, compactness, connectedness. Rigorous treatment of limits, sequences, series, convergence, functions and continuity, derivatives, and selected topics on measure and integration theory. Pre-requisites: Completion of MATH 237 with a "C" or better, or permission of instructor.

MATH 435 Sampling Techniques**Credit 3 hours**

Statistical survey methods, sampling techniques, point and interval estimation of population parameters, population size determination, and communication of sample survey results. Applications from business, the natural sciences, and the social sciences. Pre-requisite: MATH 232 or equivalent.

MATH 437 Modern Algebra**Credit 3 hours**

Axiomatic Approach to groups, rings, integral domains, polynomials, fields, selected topics in abstract algebra, and an introduction to vector spaces and algebraic coding theory. MATH 429 or equivalent.

MATH 438 Numerical Analysis**Credit 3 hours**

Numerical modeling of phenomena using interpolation and approximation, systems of linear equations, integration, and numerical solutions of differential equations. Pre-requisite: MATH 252 or permission of instructor.

MATH 439 Theory of Statistics**Credit 3 hours**

Joint distribution concepts, conditional expectations, method of distribution functions, transformation, method of moment-generating functions, order statistics, sampling distributions, central limit theorem, continuous and discrete random variables. Pre-requisite: MATH 151 and MATH 331 or equivalent.

MATH 440 Mathematics Education Standards**Credit 3 hours**

An integrated content/pedagogy course on mathematics teaching, assessment, and curriculum standards, based on major content areas of the K-12 curriculum. Pre-requisite: Fifty percent of endorsement completed.

MILITARY SCIENCE LEADERSHIP

MSL 101 Leadership and Personal Development**Credit 2 hours**

Make your first peer group at college one committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, making presentations and basic marksmanship. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. Co-requisite: MSL 101L.

MSL 101L Leadership and Personal Development Lab**Credit 1 hour**

Designed to accompany MSL 101. Provides the students with hands-on experience to supplement and reinforce classroom instruction. Subjects addressed include drill and ceremonies, physical fitness training, marksmanship, first aid, rappelling and basic mountaineering skills, voluntary off campus activities reinforce course work. Co-requisite: MSL 101.

MSL 102 Introduction to Tactical Leadership**Credit 1 hour**

Learn and apply principles of effective leadership. Reinforce self-confidence through participation in physically and mentally challenging exercise with upper-division ROTC students. Develop communication skill to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. Co-requisite: MSL 102L.

MSL 102L Introduction to Tactical Leadership Lab**Credit 1 hour**

Designed to accompany MSL 102. Provides the students with hands-on experience to supplement and reinforce classroom instruction. Subjects addressed include drill and ceremonies, physical fitness training, marksmanship, first aid, rappelling and basic mountaineering skills, voluntary off campus activities reinforce course work. Co-requisite: MSL 102.

MSL 109 Military Fitness**Credit 3 hours**

Military fitness is a conditioning course designed to provide students with military fitness training techniques and methods used in the U.S. Army. This course will primarily be work-out oriented with emphasis on physical fitness goals and demonstrated student participation in physical training activities.

MSL 201 Innovative Team Leadership**Credit 1 hour**

Learn/apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams of people. Develop skills in oral presentations, writing concisely, planning events, coordination of group efforts, advanced first aid, land navigation, and basic military tactics. Learn fundamentals of ROTC's leadership assessment program. Co-requisite: MSL 201L

MSL 201L Innovative Team Leadership Lab**Credit 1 hour**

Students will develop leadership and management skills by being given the opportunity to perform duties in various leadership positions. Emphasis is placed on the development of leadership and managerial skills. Course is supplemented with instruction on the use of a lensatic compass and a topographic map, as well as various survival skills. Voluntary off campus activities reinforce course work. Co-requisite: MSL 201.

MSL 202 Foundations of Tactical Leadership**Credit 1 hour**

Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security and methods of pre-execution checks. Practical exercises with upper-division ROTC students. Learn techniques for training others as an aspect of continued leadership development. Co-requisite: MSL 202L.

MSL 202L Foundations of Tactical Leadership Lab**Credit 1 hour**

Students are provided the opportunity to reinforce classroom leadership and management training with practical experience. Students will also receive training in small unit tactics and use of the m-16 rifle. Voluntary off campus activities reinforce course work. Co-requisite: MSL 202.

MSL 301 Adaptive Team Leadership**Credit 2 hours**

Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit tactics and opportunities to plan and conduct training for lower division students both to develop such skills and as vehicles for practicing leadership. Co-requisite: MSL 301L.

MSL 301L Adaptive Team Leadership Lab**Credit 2 hours**

Provides the student with practical experience to supplement and reinforce classroom instruction. Subjects include drill and ceremonies, physical training instruction techniques and leadership, which will complement the student's preparation for ROTC Advanced camp. Co-requisite: MSL 301.

MSL 302 Leadership in Changing Environments**Credit 2 hours**

Continues methodology of MSL 301. Analyze tasks; prepare written or oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision making in setting a positive climate that enhances team performance. Pre-requisite: MSL 301.

MSL 302L Leadership in Changing Environments Lab**Credit 2 hours**

Provides student with additional training in land navigation, drill and ceremonies, physical training, instruction techniques and leadership, which will complement the students' preparation for ROTC Advanced camp. Off campus training is required. Co-requisite: MSL 302.

MSL 391 Survey of American Military History**Credit 3 hours**

This course is a survey of military history with the military institutions, technology and techniques, from 1793 to the present. The course will study the interrelationships of warfare, technology and society in American history. The course will focus on such items as the changes in techniques in warfare, the make-up of military establishments and the introduction of technology into military warfare. It will also view the political and societal changes that have influenced the nature of warfare in America.

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- MSL 394 Advanced Military Science Internship** **Credits 4 hours**
Provide a practical experience within the military environment. See military advisor to secure the proper documents and assignment approvals for internship.
- MSL 401 Development Adaptive Leaders** **Credit 2 hours**
Introduces formal management skills including problem analysis, planning techniques, and the delegation and control of activities, providing an understanding of the command and staff organization used in the modern army and creating a forum for discussing professional and ethical decisions faced by commissioned officers. Co-requisite: MSL 401L.
- MSL 401L Development Adaptive Leaders Lab** **Credit 2 hours**
Provides practical experience supplementing and reinforcing classroom instruction, including drill and ceremonies, physical fitness training, instruction techniques, and operation of the cadet battalion. Off-campus training required. Co-requisite: MSL 401.
- MSL 402 Leadership in a Complex World** **Credit 2 hours**
Provides information for transition to active or reserve commissioned service, developing administrative controls essential in managing a military organization, introducing the management of financial and personal affairs, and allowing time for discussion and analysis of the ethical decision-making process. Co-requisite: MSL 402L.
- MSL 402L Leadership in a Complex World Lab** **Credit 1 hour**
Provides practical experience supplementing and reinforcing classroom instruction, including drill and ceremonies, physical fitness training, instructional techniques, small unit leadership and familiarization with duties of commissioned officers. Off-campus training is required. Co-requisite: MSL 402.
- MSL 411 Developing Subordinate Leaders I** **Credit 3 hours**
Advanced study in management skills involved with leadership within the armed forces. Includes practical experience working with cadets in leadership functions.
- MSL 412 Developing Subordinate Leaders II** **Credit 3 hours**
A continuation of MSL 411 for students requiring the fifth year. Students may enroll in only one of the courses or both at the advice of their military advisor.
- MSL 491 Advanced Internship in Leadership** **Credit 1 hour**
Provide practical experience in a leadership role within a military environment. See military advisor to secure the proper documents and assignment approvals for internship.
- MSL 494 Leader Development and Assessment** **Credit 3 hours**
Summer Camp experience at a base facility. This experience will include assessments of the cadets.

MUSEUM STUDIES

- MS 160 Special Topics in Museums** **Credit 1-3 hours**
Special topics of current interest are considered in depth. Topics may include caring for photographs, textiles, and historic costumes. May be repeated with a different topic. There are usually no Pre-requisites for these courses. Multiple sections of this course cannot be substituted for another course in the Museum Studies Program.
- MS 231 Introduction to Museums** **Credit 3 hours**
This course is an introduction to and survey of the history and philosophy of the development of the museum in America and Western Europe. In addition, students will learn about the different types of museums and influential people who helped in the development of the modern museum profession.
- MS 235 Introduction to Archival Collections** **Credit 3 hours**
This course will introduce students to the history and social value of records and archives, the theory of archival practice, and to the application of archival theory in the digital world.

MS 330 Management and Care of Collections**Credit 3 hours**

This course will introduce students to the professional principles and practices in the care and management of collections housed in museums and research facilities. Topics covered will include: museum registration methods, cataloging, collections care, agents of deterioration, and application of the rules of properly handling, storing, and caring for museum collections.

MS 331 Exhibit Design**Credit 3 hours**

This course provides a theoretical and practical approach to the development, planning, design, and installation of museum exhibitions. Students will develop an understanding of approaches to presenting museum exhibits, learn basic principles of exhibit design, fabrication and preparation techniques. Students are also introduced to exhibition-related conservation issues and assessment of visitor needs.

MS 333 Museum Administration**Credit 3 hours**

This course is an introduction to the legal and operational structure of museums, personnel issues, and financial management aspects of museum administration. Topics covered in course will also include ethical and legal issues in museums, professional standards, and challenges of museum administration.

MS 340 Museum Education**Credit 3 hours**

This course introduces students to the educational role of museums and informal learning centers. A variety of methods, including hands-on activities, self-teaching materials, technology, outreach, tours, are explored through exercises and projects. Issues covered include current trends, learning theories and styles, learning from objects, diverse audiences, museum/school partnerships; - and the role of education in exhibit development.

MS 390 Internship in Museum Studies**Credit 3 hours**

Students will gain practical experience while working with a museum or collection. Open to upper division students. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the number of hours the student can work.

MUSIC

MUS 016 Chadron State Community Chorus**Credit 0-1 hour**

Open to all students and community members without audition. This choir performs a wide array of literature from standard to contemporary choral repertoire and gives at least one concert performance each semester. This course can satisfy 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.

MUS 018 Chadron State Community Symphonic Band**Credit 0-1 hour**

Open to all students and community members. This ensemble gives a minimum of one concert performance each semester. This course can satisfy 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.

MUS 100 Elective Private Music Instruction**Credit 1 hour**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, stringed instruments, and composition. Attendance at a number of concert events required. Pre-requisite: permission of instructor.

MUS 101 Student Recital**No Credit**

Course includes selective student performances by music majors and minors and supplemental instruction related to private music lessons. Registration is required each semester for all full-time music majors and minors enrolled in applied music courses.

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- MUS 102 Wind Symphony** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 103 Concert Choir** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble performs works representing standard and contemporary literature for its regular concerts covering a variety of styles and musical genres. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 104 Vocal Jazz Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble is a select mixed group that performs vocal jazz pieces accompanied by a small jazz combo. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 105 Jazz Band** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 106 Jazz and Pop Combo** **Credit 1 hour**
Open to all students who qualify by auditions. This ensemble gives a minimum of one concert performance each semester.
- MUS 107 Woodwind Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.
- MUS 108 Brass Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 109 Percussion Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.
- MUS 110 Keyboard Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.
- MUS 111 Guitar Ensemble** **Credit 1 hour**
Guitar Ensemble offers practical experience in the study and performance of standard and avant-garde repertoire for the modern electric guitar. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 112 Music Theory Foundations** **Credit 3 hours**
This course prepares students for successful completion of the music theory sequence. Skills emphasized include music reading and writing, ear training, and fundamental concepts of music theory, including major and minor keys, intervals, and triads.
- MUS 114 Introduction to Music Education** **Credit 2 hours**
This course is designed to assist prospective music education students in determining their interest and potential in the music education profession. This should be the *first* course of study for the Bachelor of Science in Education with a field endorsement in music education degree.

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- MUS 115 Private Music Instruction** **Credit 1-2 hours**
Open to majors and minors by audition. Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments. Student must enroll simultaneously in MUS 101. Pre-requisite: Permission of instructor.
- MUS 116 Piano Class Foundations I** **Credit 1 hour**
Beginning-level piano instruction for students with little (or no) prior playing experience. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5.
- MUS 117 Piano Class Foundations II** **Credit 1 hour**
Instruction in basic keyboard skills, including major scales and arpeggios, specified chord progressions, sight-reading, and harmonization of simple melodies. Pre-requisite: MUS 116 or permission of instructor. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5.
- MUS 118 Piano Class Foundation III** **Credit 1 hour**
Continuation of MUS 117. Further development of keyboard skills, including harmonic minor scales and arpeggios, more advanced sight-reading, harmonization, and chord progressions, score reading, and basic accompanying skills. Pre-requisite: MUS 117 or permission of instructor. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5.
- MUS 124 Women's Vocal Ensemble** **Credit 1 hour**
Open to all women by audition. This ensemble performs regular concerts covering a variety of styles and musical genres. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 125 Men's Vocal Ensemble** **Credit 1 hour**
Open to all men by audition. This ensemble performs regular concerts covering a variety of styles and musical genres. Members must also enroll in Concert Choir. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 126 Showband** **Credit 1 hour**
Open to all students who qualify by audition. The Showband is a select group of students for the purpose of representing the music program and the school at college and community functions, including football games and other athletic events.
- MUS 131 Theory I** **Credit 3 hours**
This course focuses on the rudiments of Western classical music, including intervals, chords, and scales, and introduces students to the principles of tonal harmony and voice leading as practiced during the eighteenth and nineteenth centuries. Pre-requisite: a grade of C or better in MUS 112, or successful completion of the music theory placement test. Must be taken concurrently with MUS 131L.
- MUS 131L Theory I Laboratory** **Credit 1 hour**
This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory I. Must be taken concurrently with MUS 131.
- MUS 132 Theory II** **Credit 3 hours**
This course builds on the basic principles of Western harmony, utilizing analytical and compositional skills to develop an understanding of structural components in tonal music. Must be taken concurrently with MUS 132L. Pre-requisite: a grade of C or better in MUS 131.
- MUS 132L Theory II Laboratory** **Credit 1 hour**
This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory II, including examination of phrase structure. Must be taken concurrently with MUS 132.

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- MUS 199 Admission to Candidacy** **No Credit**
Performance assessment required of all music majors during the second semester of enrollment in private music instruction. Must be taken concurrently with MUS 115. Pre-requisite: At least one prior semester of MUS 115 or permission of instructor.
- MUS 215 Private Music Instruction** **Credit 1-2 hours**
Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments. Student must enroll simultaneously in MUS 101. Pre-requisite: MUS 199 in the same performance medium or permission of instructor.
- MUS 216 Guitar Class** **Credit 1 hour**
Designed for the music major and general college student. The basic techniques of playing the guitar, including both choral and solo techniques. Guitars are provided. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5.
- MUS 220 Functional Piano Skills** **Credit 2 hours**
Development of skills in harmonization, improvisation, sight-reading, score reading, and accompanying at the keyboard. Completion of this course with a grade of B or better will meet the piano proficiency requirement for all music majors and elementary music minors. Pre-requisite: MUS 118 or permission of instructor.
- MUS 221 Keyboard Skills for the Classroom Teacher** **Credit 2 hours**
Refinement of keyboard skills with direct application to the music education environment, with emphasis in harmonization, score reading and accompanying. Pre-requisite: MUS 220 or permission of instructor.
- MUS 230 Voice Class for Non-majors** **Credit 1 hour**
Beginning vocal instruction and master class for non-music majors. Includes a study of vocal techniques and their application in selected vocal literature. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5.
- MUS 231 Theory III** **Credit 3 hours**
This course applies the skills learned in Theory I and II to the structural level, exploring the techniques of modulation and applying them through analysis of Baroque and Classical forms. Must be taken concurrently with MUS 231L. Pre-requisite: MUS 132.
- MUS 231L Theory III Laboratory** **Credit 1 hour**
This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory III, including aural recognition of structure. Must be taken concurrently with MUS 231.
- MUS 232 Theory IV** **Credit 3 hours**
This course explores chromatic techniques of tonal harmony and continues to investigate forms. Techniques of counterpoint and sonata form will be explored in literature from the 18th through the 20th centuries. Jazz harmonies are also introduced. Must be taken concurrently with MUS 232L. Pre-requisite: MUS 231.
- MUS 232L Theory IV Laboratory** **Credit 1 hour**
This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory IV, including aural recognition of structure. Jazz improvisation techniques are also introduced. Must be taken concurrently with MUS 232.
- MUS 235 Music Appreciation** **Credit 3 hours**
This course focuses on how to listen to and appreciate the human and cultural values of various styles of music as well as learning the significance of music as cultural and aesthetic expression. For non-music majors. This course satisfies Essential Studies Student Learning Outcomes (SLO) 7.
- MUS 236 Special Topics** **Credit 0-3 hours**
To meet the specific needs of a group of students by studying areas of music not presented in the curriculum may be repeated with different emphasis.

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- MUS 238 Diction I** **Credit 1 hours**
This course covers the study of diction in three languages, Latin, Italian, and German. The International Phonetic Alphabet will be used in analyzing song texts in terms of diction and pronunciation.
- MUS 239 Diction II** **Credit 1 hours**
This course covers the study of diction in three languages: French, Spanish, and English. The International Phonetic Alphabet will be used in analyzing song texts in terms of diction and pronunciation. Pre-requisite: MUS 238.
- MUS 240 Principles of Conducting** **Credit 2 hours**
A study of basic conducting techniques. Emphasis is placed upon the mastery of simple patterns, cues, and expressive gestures, and on common problems in leading group singing and in directing musical ensembles.
- MUS 250 Music Education Practicum, Vocal** **Credit 1 hour**
Techniques of voice production. Will include evaluations of the scientific, psychological, physiological, and empirical methods of teaching voice. Techniques of developing the young voice will be emphasized. This course will be offered in the fall of odd-numbered years.
- MUS 251 Music Education Practicum, Field** **Credit 1 hour**
Introduction to the study of the voice, wind, percussion, and string instruments. Students will gain practical performing skills for public school teachers. May be taken for repeated credit.
- MUS 252 Music Education Practicum, Vocal** **Credit 1 hour**
Students will complete any remaining student learning outcomes introduced in MUS 250. Pre-requisite: MUS 250. This course will be offered every semester, but will typically be completed in the spring of even-numbered years, concurrent with MUS 321 – Choral Conducting.
- MUS 269 Drumming** **Credit 1 hour**
Drumming is designed for those with no previous music experience and will teach the ability to move the hands to create rhythms within a group setting. The course will cover basic world music rhythms from Africa, Cuba, and Brazil, and will include the use of drumsticks culminating with basic drum set rhythms. Students will learn to perform in an ensemble, develop teamwork, and will perform in public during the semester. . This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5.
- MUS 299 Sophomore Qualifying Examination** **No Credit**
Performance assessment required of all music majors prior to enrollment into upper-division private music instruction. A student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215) to present the qualifying exam. Must be taken concurrently with MUS 215. Pre-requisite: At least one prior semester of MUS 215 or permission of instructor.
- MUS 300 Elective Private Music Instruction** **Credit 1 hour**
Open to non-majors as well as to majors studying on a secondary basis, according to staff availability. Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, stringed instruments, and composition. Pre-requisite: permission of instructor.
- MUS 302 Wind Symphony** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 303 Concert Choir** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble performs works representing standard and contemporary literature for its regular concerts covering a variety of styles and musical genres. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.

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- MUS 304 Vocal Jazz Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble is a select mixed group that performs vocal jazz pieces accompanied by a small jazz combo. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 305 Jazz Band** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 306 Jazz and Pop Combo** **Credit 1 hour**
Open to all students who qualify by auditions. This ensemble gives a minimum of one concert performance each semester.
- MUS 307 Woodwind Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.
- MUS 308 Brass Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 309 Percussion Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.
- MUS 310 Keyboard Ensemble** **Credit 1 hour**
Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.
- MUS 311u Guitar Ensemble** **Credit 1 hour**
Guitar Ensemble offers practical experience in the study and performance of standard and avant-garde repertoire for the modern electric guitar.
- MUS 312 Choral History and Literature** **Credit 2 hours**
The course examines the history of choral music, from Gregorian chant through the 20th century, highlighting the significant changes in the ensemble.
- MUS 315 Private Music Instruction** **Credit 1-2 hours**
Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments. Student must enroll simultaneously in MUS 101 Student Recital. Pre-requisite: MUS 299 in the same performance medium.
- MUS 315o Private Composition and Analysis** **Credit 1-2 hours**
Individual instruction in composition and/or analysis. Students will set semester goals in conjunction with the instructor. The course is repeatable since goals will change each semester. Pre-requisite: MUS 132 or permission of instructor.
- MUS 315r Survey of Instrument Repair Techniques** **Credit 1 hour**
This laboratory course is designed to introduce students to repair techniques for the most common wind band instruments. Students will learn about the mechanical properties, the assessment of playing condition, and basic techniques for repairing instruments.

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- MUS 315v Private Recording Techniques** **Credit 2 hours**
An introduction to recording techniques using computer-based digital recording with standard software. This course will prepare students to produce demo recordings and include training in studio setup, signal flow, microphone placement, editing, plug-ins, and mixing. Open to all music majors or by permission of the instructor.
- MUS 317 Seminar in Accompanying Techniques** **Credit 2 hours**
Basic problems of accompanying, as well as problems peculiar to certain media. Students will be assigned to supervise accompanying for lessons and recitals. Pre-requisite: Permission of Instructor.
- MUS 319a Piano Pedagogy** **Credit 2 hours**
Various practical and pedagogical aspects of teaching piano. The course will include a survey of piano teaching materials, particularly the methods courses, and specifics related to teaching and learning styles.
- MUS 319b Independent Music Studio Teaching** **Credit 2 hours**
Practical issues of operating an independent music teaching studio. Issues such as recruitment, retention, contracts, studio policies, income tax, and maintaining consistent monthly income will be discussed in-depth.
- MUS 321 Choral Conducting** **Credit 2 hours**
Study of conducting techniques and choral literature. Pre-requisite: MUS 220 and 240.
- MUS 322 Instrumental Conducting** **Credit 2 hours**
Techniques of conducting instrumental organizations and the study of instrumental literature. Pre-requisite: MUS 220 and 240.
- MUS 324 Women's Vocal Ensemble** **Credit 1 hour**
Open to all women by audition, which is held the weekend before and the first day of classes. This ensemble performs regular concerts covering a variety of styles and musical genres. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 325 Men's Vocal Ensemble** **Credit 1 hour**
Open to all men by audition. This ensemble performs regular concerts covering a variety of styles and genres. Members must also enroll in Concert Choir. This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.
- MUS 326 Showband** **Credit 1 hour**
Open to all students who qualify by audition. The Showband is a select group of students for the purpose of representing the music program and the school at college and community functions, including football games and other athletic events.
- MUS 327 Survey of Music History** **Credit 3 hours**
Survey of Music History will examine the history of Western Classical music, including the medieval, renaissance, baroque, classical, romantic, and 20th century periods, considering the cultural, social, economic, psychological, and political aspects of human behavior. This course satisfies the Essential Studies Student Learning Outcome (SLO) 8.
- MUS 328 World Music and Globalization** **Credit 3 hours**
The course surveys non-Western music, examines the creation and performance of music in various cultures, and analyses the effect of globalization on music. Students will conduct research on a specific culture and evaluate changes in the music of the society. The course will also provide an overview to the field of ethnomusicology. This course satisfies Essential Studies Student Learning Outcome (SLO) 10.
- MUS 330 African-American Popular Music, 1619-1980** **Credit 3 hours**
Study of the music of African-Americans from the arrival of the first African in 1619 to the 1980s. The course details seven Pan-African musical characteristics and traces the effects on European music. The course views the progression of these characteristics through the development of blues, popular music, jazz, country music, and rock. This course satisfies Essential Studies Student Learning Outcome (SLO) 10.

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- MUS 333 Music for the Classroom Teacher** **Credit 3 hours**
Materials and methods pertaining to the integration of music in the elementary classroom. Stresses demonstration and class participation. Required for all elementary education majors. It is strongly recommended that students with no background in music take MUS 112 prior to taking MUS 333.
- MUS 334 Developing Music Literacy in Children** **Credit 2 hours**
A progression to music literacy from singing and dancing to playing, identifying tonal and rhythmic patterns from known repertoire as building blocks for writing and reading music notation. Pre-requisite MUS 333 or permission of instructor.
- MUS 335 Recording Techniques** **Credit 2 hours**
An introduction to recording techniques using computer-based digital recording with standard software. This course will prepare students to produce demo recordings and include training in studio setup, signal flow, microphone placement, editing, plug-ins, and mixing. Open to all music majors or by permission of the instructor.
- MUS 336 Jazz Improvisation I** **Credit 2 hours**
Development of basic improvisational skills in the area of jazz performance. Tunes designed to work on a specific problem will be practiced. Ear training methods and patterns will serve to encourage creativity and facility for the tunes to be played.
- MUS 337 Jazz Improvisation II** **Credit 2 hours**
Continuation of the development of improvisational skills as they apply to specific problems of jazz performance, with particular emphasis on improvising to specific tunes or progressions. Ear training and theory as they apply to jazz will be discussed at a more advanced level. Pre-requisite: MUS 336.
- MUS 351 Music Education Practicum, Field** **Credit 1 hour**
Continuation of MUS 251. Students will gain more practical performing experience, but will also begin peer teaching in these areas. May be taken for repeated credit. Pre-requisite: two semesters of MUS 251 or equivalent.
- MUS 352 Music Education Practicum, Field** **Credit 1 hour**
Culmination of the MUS 251 and 351 courses. Students will complete the remaining student learning outcomes introduced in MUS 251 and 351. Pre-requisite: MUS 351 – students must have 4 or fewer remaining incomplete student learning outcomes in order to register.
- MUS 356 Technology for the Music Classroom** **Credit 1 hour**
Current and future music educators are in perpetual need of developing new techniques in the music classroom. Many of these innovations have been and can continue to be developed through the use of computer programs designed to enhance pedagogy in the music curriculum, K-12. Programs to address these innovations include, but are not limited to *Finale*, *SmartMusic*, *Audacity*, and *Pyware*.
- MUS 369 Music and Civic Engagement** **Credit 3 hours**
The course provides an overview of the field of music therapy and musical involvement within the community. Students will examine ethical concerns for music therapists and musicians serving a community. A key component of the course will be group projects, focused on event planning in Chadron or the region. This course satisfies Essential Studies Student Learning Outcome (SLO) 9.
- MUS 390 Internship in Music** **Credit 1-12 hours**
Provides practical experience in the music products industry or the entertainment industry. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- MUS 399 Solo Half-Recital** **No Credit**
A 25- to 30-minute solo performance. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective music faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date. Must be taken concurrently with MUS 315. Pre-requisite: at least one prior semester of MUS 315.

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- MUS 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of Instructor, Dean and Academic Vice President is required.
- MUS 413 Jazz and Pop Arranging** **Credit 2 hour**
An introduction to general arranging and composing skills, applied through writing songs and arrangements utilizing MIDI (Musical Instrument Digital Interface) Technology.
- MUS 414 Arranging II** **Credit 1 hour**
Continuation of MUS 413, involving the development and practice of arranging skills as they apply to professional and teaching situations. A large ensemble arrangement will be done.
- MUS 415 Private Music Instruction** **Credit 1-2 hours**
Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments. Student must enroll simultaneously in MUS 101. Pre-requisite: MUS 399.
- MUS 419 Music Business** **Credit 3 hours**
How the music industry operates, with emphasis on the record industry, publishing/songwriting, copyright, merchandising, retail, and marketing. Musical aspects as well as business and legal aspects are examined.
- MUS 420 Music Products Seminar** **Credit 3 hours**
Study of the music products industry including manufacturing, print publishing, and sales.
- MUS 421 Advanced Conducting** **Credit 2 hours**
Advanced baton technique, score study, interpretation, rehearsal techniques, and repertoire. Pre-requisite: MUS 321 or MUS 322.
- MUS 423 Keyboard History and Literature** **Credit 2 hour**
The course studies the invention of the piano and its impact on Western musical culture from the 18th to 20th centuries. The course will focus on piano literature from major figures in the Classical and Romantic eras.
- MUS 424 Advanced Piano Pedagogy** **Credit 2 hour**
The study of piano technique and theory for use in the independent piano studio that extends beyond the methods materials and progresses sequentially through late-intermediate and early-advanced concepts and skills.
- MUS 426 Music History I** **Credit 3 hours**
Survey of the development of musical style from Antiquity to the Baroque Period through analysis, listening, reading, and writing.
- MUS 427 Music History II** **Credit 3 hours**
Survey of the development of musical style from the Classical Period to the late Romantic Period through score analysis, listening, reading, and writing.
- MUS 428 Music of the 20th Century** **Credit 3 hours**
Examination of the techniques of music composition in the 20th Century from a historical perspective, considering the cultural and social factors that influenced composers. The course will explore atonality, polytonality, Neoclassicism, serialism, experimental music, minimalism, electronic music, and spectral music. Pre-requisite: MUS 132.
- MUS 430 Special Topics** **Credit 0-3 hours**
To meet the specific needs of group of students by studying areas of music not presented in the curriculum. May be repeated with different emphasis.
- MUS 431a Elementary Music Methods** **Credit 3 hours**
An instructional methods course in the major field of content specialization required of elementary and K-12 education majors pursuing content area endorsement in K-8 Vocal Music and a field endorsement in K-12 Music.

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- MUS 431b Secondary Music Endorsement** **Credit 3 hours**
An instructional methods course in the major field of content specialization required of secondary education majors pursuing content area endorsement in K-12 Music.
- MUS 431c Secondary Vocal Methods** **Credit 2 hours**
An instructional methods course in the major field of content specialization required of secondary education majors pursuing content area endorsement in K-12 Music and in K-8 and 7-12 Vocal Music.
- MUS 431d Secondary Instrumental Methods** **Credit 2 hours**
An instructional methods course in the major field of content specialization required of secondary education majors pursuing content area field endorsement in K-12 Music.
- MUS 432 Topics in Music History and Literature** **Credit 2-3 hours**
The course focuses on various topics through the lens of music history. Topics will consider the social, cultural, economic, and political factors of the course's focus. Since the topics rotate and will not duplicate more than once every four semesters, this course may be taken for repeated credit.
- MUS 433 Vocal Techniques** **Credit 3 hours**
The study of the vocal techniques of phonation, respiration, resonance, and articulation.
- MUS 434 Instrumental Techniques** **Credit 3 hours**
Organization and administration of the instrumental music program in public schools, including materials, methods, organization, public performances, and festivals. Requires permission of instructor.
- MUS 435 History of Jazz** **Credit 3 hours**
A historically organized introduction to jazz styles that have been documented on recordings. Designed to create an appreciation of jazz as well as to thoroughly cover the origins and periods of jazz history. This course satisfies Essential Studies Student Learning Outcome (SLO) 7.
- MUS 439 Seminar in Music** **Credit 1-3 hours**
Designed to meet the specific needs of a group of students, analogous to the way in which Independent Study or Research is designed to meet the needs of a specific student. Permission of the instructor is required.
- MUS 499 Solo Full Recital** **No Credit**
A 45 to 55 minute solo performance. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315/415) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective music faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date. Must be taken concurrently with MUS 415. Pre-requisite: at least one prior semester of MUS 415.

PHILOSOPHY

- PHIL 100 Reading and Writing Philosophy** **Credit 3 hours**
Core issues in philosophy with a focus on the development of reading and writing skills. Must be taken concurrently with ENG 111.
- PHIL 231 Introduction to Philosophy** **Credit 3 hours**
A study of traditional and contemporary approaches to major philosophical issues.
- PHIL 235 Classical Chinese Philosophy** **Credit 3 hours**
A study on the beginnings of the rich philosophical tradition of China, with emphasis on Confucian and Taoist thinkers.
- PHIL 333 Symbolic Logic** **Credit 3 hours**
A study of methods for systematic, critical evaluations of assertions and arguments.

PHIL 369 Social and Personal Ethics **Credit 3 hours**
A study of the relationship between the development of a personal ethic and its application to social issues and the exercise of citizenship.

PHIL 400 Independent Study or Research **Credit 1-3 hours**
Advanced study or research in a special field of philosophy. Permission of Instructor, Dean and Academic Vice President required.

PHIL 432 Ethics **Credit 3 hours**
A study of the major philosophical theories that attempt to describe the nature of morality and/or to prescribe the means by which acts may be judged moral or immoral.

PHIL 433 Biomedical Ethics **Credit 3 hours**
A philosophical study of ethical issues that arise within the practice of medicine and the biological sciences. Topics to be covered might include abortion, euthanasia, relationships with patients, ethics of research, or social funding of health care.

PHIL 435 Environmental Ethics **Credit 3 hours**
A philosophical study of ethical issues that involve the relationship between humans and their natural environment. Topics to be covered might include theories of nature, animal rights, pollution, consumption patterns, and multicultural perspectives.

PHYSICS

PHYS 135 Physical Science **Credit 3 hours**
An integrated course in physical sciences including astronomy, earth science, geology, physics, and chemistry.

PHYS 151 College Physics I **Credit 4 hours**
Principles of mechanics, sound, thermodynamics, and fluid mechanics. Concurrent enrollment in PHYS 151L required. Pre-requisites: 2 years of high school algebra or MATH 135, 138 or 142, or consent of instructor.

PHYS 151L College Physics I Laboratory **Credit 1 hour**
Laboratory exercises in College Physics I. Concurrent enrollment in PHYS 151 required.

PHYS 152 College Physics II **Credit 4 hours**
Principles of electricity, magnetism, light, optics and modern physics. Concurrent enrollment in PHYS 152L required. Pre-requisites: MATH 135, 138, or 142 AND either high school trigonometry or MATH 134.

PHYS 152L College Physics II Laboratory **Credit 1 hour**
Laboratory exercises in College Physics II. Concurrent enrollment in PHYS 152 required.

PHYS 230 Introduction to Physics **Credit 3 hours**
Introduction to the concepts of Physics, including selected topics in mechanics, properties of matter, heat, sound, electricity & magnetism, light, and nuclear physics. Designed to address the needs of the non-physics major. Not for credit towards physical science major or any physical science minor.

PHYS 241 University Physics I **Credit 4 hours**
The principles of mechanics, heat and sound. Differential and integral calculus applied. Concurrent enrollment in PHYS 241L required. Pre-requisite: MATH 138 or 151, or consent of instructor.

PHYS 241L University Physics Laboratory I **Credit 1 hour**
Laboratory exercises in University Physics I. Concurrent enrollment in PHYS 241 required.

PHYS 242 University Physics II **Credit 4 hours**
Principles of magnetism, electricity, and optics. Differential and integral calculus applied. Concurrent enrollment in PHYS 242L required. Pre-requisite: PHYS 241/241L.

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- PHYS 242L University Physics Laboratory II** **Credit 1 hour**
Laboratory exercises in University Physics II. Concurrent enrollment in PHYS 242 required.
- PHYS 251 Statics** **Credit 3 hours**
Systems of force, static equilibrium, friction, center of gravity, moment of inertia, vector algebra, and central forces. Pre-requisites: PHYS 151 or 241, and MATH 151.
- PHYS 252 Dynamics** **Credit 3 hours**
Displacement force, velocity and acceleration of rigid bodies, kinematics of planar motion, rotation and moment of inertia, work and energy, impulse and momentum, and lagrangian dynamics. Pre-requisite: PHYS 251.
- PHYS 270 Topics in Physics** **Credit 1-3 hours**
Special topics appropriate for lower division credit in physics. May be repeated with different emphases for up to six hours of credit.
- PHYS 310 Capstone I: Research Seminar** **Credit 1 hour**
The student will choose a topic for research and conduct a literature survey of that topic. Preliminary results and a plan for conducting further independent research on the topic will be presented in oral and written form during the semester. Normally taken during the student's junior year.
- PHYS 320 Supervised Study in Laboratory and Field Methods** **Credit 1-2 hours**
Students will prepare, supervise, and evaluate laboratory exercises under the direction of faculty members. The course is designed to give students practical experience teaching in the laboratory setting.
- PHYS 330 Physical Science for the Elementary and Middle Grades Teacher** **Credit 3 hours**
A laboratory oriented course intended to strengthen the physical science background of the elementary and middle grades teacher.
- PHYS 333 Astronomy** **Credit 2 hours**
A descriptive study of the solar system, stars, and galactic systems, including theories of the origin of the universe and the solar system. Concurrent enrollment in PHYS 333L required.
- PHYS 333L Astronomy Laboratory** **Credit 1 hour**
Laboratory experience in astronomy. Held in the evening either outdoors or in the planetarium. Concurrent enrollment in PHYS 333 required.
- PHYS 334 Meteorology** **Credit 3 hours**
The physical behavior of the atmosphere including the causes of weather and the elements of forecasting.
- PHYS 370a Modern Physics** **Credit 3 hours**
Special relativity, quantum mechanics, nuclear physics, atomic physics, and additional topics concerning physics in the twentieth century. Pre-requisite: PHYS 152 or 242.
- PHYS 370c Modern Physics Laboratory** **Credit 1 hour**
Experiments dealing with modern physics.
- PHYS 370d Scientific Computer Applications** **Credit 3 hour**
A computer based laboratory designed to familiarize students with physical science related computer applications.
- PHYS 370e Math for the Physical Sciences** **Credit 3 hours**
The application of analytic geometry, calculus, vectors, and partial differential equations to the solutions of problems in the physical sciences. Pre-requisite: MATH 138 or 151.

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- PHYS 390 Internship in Physics** **Credit 1-12 hours**
Provides practical experience as a physicist in government, business, or industry. Open to upper division students majoring in the area of physics. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- PHYS 400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of Instructor, Dean and Academic Vice President is required.
- PHYS 401 Capstone II: Senior Research** **Credit 2 hours**
Independent research projects based on the results presented in PHYS 310. Data collection, analysis, and presentation of scientific papers. Normally taken during the student's Junior or Senior year. May be repeated for a total of up to six hours of credit. Pre-requisite: PHYS 310.
- PHYS 410 Capstone III: Senior Research Thesis** **Credit 1 hour**
Research thesis is completed and presented at the Nebraska Academy of Sciences or other regional or national scientific forum approved by the faculty. Required field trip in late April. Normally taken during the student's senior year. Pre-requisite: PHYS 401.
- PHYS 430 Topics in Physics** **Credit 1-3 hours**
A course on selected science topics. Course content will vary to meet the special needs of students. The course may involve classroom and/or field oriented activity. Credit is dependent upon length of course and depth of study. May be repeated with different topics.
- PHYS 434 Mechanics** **Credit 3 hours**
Principles of Newtonian mechanics including Lagrangian and Hamiltonian formalism. Pre-requisite: PHYS 241.
- PHYS 435 World Environmental Issues** **Credit 3 hours**
Exploration of world environmental problems. Discussion participation setting emphasizes library research, accessing information, critical analysis of media news, and information and global prescriptive measures. The course culminates in student action plans that may affect environmental change.
- PHYS 444 Thermodynamics** **Credit 3 hours**
Principles of statistical physics and applications to the laws of thermodynamics. Pre-requisite: MATH 151 and PHYS 151 or 241.
- PHYS 454 Electricity and Magnetism I** **Credit 3 hours**
Special methods in electromagnetic theory, static fields, introduction to Maxwell's equations, and electric fields in the presence of matter. Pre-requisite: PHYS 152 or 242.
- PHYS 464 Quantum Mechanics I** **Credit 3 hours**
Current methods in quantum mechanics, wave nature of matter, symmetry laws, and development of state function.
- PHYS 471d Electricity and Magnetism II** **Credit 3 hours**
Dynamic fields, magnetic fields in the presence of matter, propagation of electromagnetic radiation, and advanced use of Maxwell's equations. Pre-requisite: PHYS 454.
- PHYS 471e Optics** **Credit 1 hour**
A study of optical phenomena including ray optics and wave optics.
- PHYS 471g Quantum Mechanics II** **Credit 3 hours**
Time development of wave functions, perturbation theory, spin functions, the hydrogen atom, and the WKB approximation. Pre-requisite: PHYS 464.

PHYS 471h Advanced Astronomy

Credit 1-3 hours

A quantitative study of topics introduced in PHYS 333. Includes astrophotography, deep sky viewing, planetarium. Pre-requisite: PHYS 333/333L.

PHYS 471j Independent Study or Research

Credit 1-3 hours

Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of instructor and Dean of Curriculum and Graduate Studies is required.

PHYS 471k Advanced Physics Laboratory

Credit 1-2 hours

Experiments in optics, electronics, mechanics, and modern physics. Credit 1 or 2 hours each semester, with maximum of 4 hours total allowable.

PHYS 471m Topics in Physics

Credit 1-3 hours

Designed to meet the needs of students in a special area of interest. May be repeated for up to six hours.

POLITICAL SCIENCE

PS 101 Introduction to Political Science

Credit 3 hours

Students will learn how political scientists study and understand the world of politics. Major concepts in the discipline will be learned and applied from a comparative perspective. Different methodological approaches to studying politics will be investigated, as well as the different analytical frameworks political scientists employ. Students will also learn about the various subfields within the discipline, including Comparative Politics, International Politics, American Politics, Political Behavior, and Political Economy.

PS 231 American National Government

Credit 3 hours

Fundamentals of the federal system of government in the United States, including background, organization, processes, functions, political thought, public opinion in relation to politics, and politico-economic relations.

PS 321 Politics and Government in Historical Perspective

Credit 3 hours

Students will study the U.S. constitutional system, political process, and governmental institutions from an historical perspective. Emphasis will be placed on American political development. Topics include constitutionalism, federalism, civil liberties, civil rights, public opinion, mass political behavior, campaigns and elections, the legislative process, presidential powers, and judicial powers. While the focus is on national politics, special attention will be paid to Nebraska politics and government. Pre-requisites: ENG 135 or 136, or 19 or better on ACT Comp English Test or equivalent.

PS 332 International Politics

Credit 3 hours

Structure of the nation-state system and the process of international political activity with an emphasis on the questions: How do states behave toward one another? Why do they behave these ways? Topics treated are diplomacy, ideology, economic and security outcomes of states, disarmament, international law, international organizations with emphasis on the United Nations, war and prospects for peace, and current international problems.

PS 333 The Judiciary and Constitutional Law

Credit 3 hours

A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation. Cross-listed as CJ 333 and LS 333.

PS 337 Introduction to Law

Credit 3 hours

A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system and considers economic, social, and political implications as they influence the development of a rule of law. Historical and present legal controversies will be examined. Cross-listed as CJ 337 and LS 337.

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- PS 341 Comparative Politics** **Credit 3 hours**
Examines various types of political systems in the world today, including parliamentary democracy, authoritarian rule, theocratic, and communist government. Looks at larger transnational and global trends, such as the population explosion in the developing world and the rise of multinational corporations. The governments of countries such as China, France, Mexico, and India will be covered.
- PS 369 Civic Engagement: Theory and Practice** **Credit 3 hours**
Students will explore theories of civic engagement and patterns of civic participation with a focus on the United States. They will also engage in experiential learning through one of several possible opportunities to contribute to their communities. In doing so, students will further develop their own ideas in collaboration with others as to their roles as citizens
- PS 390 Internship in Political Science** **Credit 1-12 hours**
Provides practical experience in political science in a state or federal agency or other relevant office. Open to upper division students majoring in one of the social sciences or a minor in political science. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- PS 400 Independent Study/Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of the Instructor, Dean and Academic Vice President is required.
- PS 401 Study Abroad in Politics** **Credit 1-3 hours**
This course provides student the opportunity to study politics abroad. In addition to the experiential component of the course, students will 1) produce either a reflection essay that places their study abroad experience within some aspect of the political science literature, or 2) compose a research paper that include field-work and other research methods. The number of units for this course will vary based on the scope of the work additional to the study abroad experience.
- PS 420 American Political Thought** **Credit 3 hours**
Main lines of American political thought and ideology will be examined. The Founding era, especially the debates between the Federalists and the Antifederalists, will be emphasized, as will developments in the post-WWII era.
- PS 424 Global Politics and Religion** **Credit 3 hours**
The influence of religion on politics and of politics on religion will be explored. This course will take a comparative approach to understanding how political actors employ religious ideas, practices, and symbols for political purposes, and how the political use of religion shapes religious institutions and beliefs. Pre-requisites: ENG 135 or 136, or 19 or better on ACT Comp English Test or equivalent.
- PS 425 Global Power, Prosperity, and Poverty** **Credit 3 hours**
The role that political power plays in shaping material well-being will be examined in this course. Students will analyze the role of domestic and international governing institutions, and their actors, in fostering prosperity and poverty. The relative influence of politics on economic well-being will be weighed against other explanations of poverty and prosperity, especially historical determinism, dependency theory, geographical determinism, and cultural theories.
- PS 430 Topics in Political Science** **Credit 3 hours**
Special topics in Political Science. May be repeated with a change of emphasis.
- PS 431 History of Political Thought** **Credit 3 hours**
Various themes in political philosophy will be covered, such as political obligation, rights, freedom, and justice. Major philosophers covered will include Plato, Locke, and Rousseau.

PS 434 Congress and the Presidency

Credit 3 hours

This course will examine the structures and processes of Congress and the Presidency, and how the two institutions interact with one another. Topics will include constituency and partisan influences, organizational structures, and decision-making processes in both branches of government. The course will highlight the interdependent and dynamic nature of inter-branch relations, with an emphasis on the evolving constitutional system of the United States.

PS 436 Field Study in Political Science

Credit 3 hours

This course provides an opportunity for direct observation of governmental officials and other political participants. A typical session is a two-week stay in Washington, D.C. examining the activities of the Federal Government. Registration by permission of Instructor only.

PSYCHOLOGY

PSYC 131 Introduction to Psychology

Credit 3 hours

An introduction to the science of psychology. The course provides an overview of the subfields in the discipline including the biological basis of behavior, sensation and perception, motivation and learning, cognition, developmental psychology, abnormal psychology and social psychology. Emphasis is placed on utilizing the scientific method to investigate, interpret and describe psychological phenomena.

PSYC 160 Special Topics in Psychology

Credit 1-3 hours

Special topics of current interest in psychology are considered in depth. Students make take more than one special topics course for credit when topics have different course content.

PSYC 231 Educational Psychology

Credit 3 hours

Reviews key theories and research on human learning and development as applied to student-learning assessment and effective instruction. Fifteen hours of school observation are required. Pre-requisite: EDUC 131 with a grade of C or better.

PSYC 234 Psychology of Cognition and Learning

Credit 3 hours

An introduction to the concepts, theories and research associated with cognitive psychology and learning, including attention, memory, and thinking. Pre-requisite for psychology majors: PSYC 131.

PSYC 242 Measurement and Research Designs

Credit 3 hours

Students will explore a variety of measurement methods and understand concepts of experimental design and data quality. Students enhance their scientific literacy with an emphasis on developing effective hypotheses. Additionally, students will examine ethics in research and clinical psychology. Pre-requisite for psychology majors: PSYC 131.

PSYC 331 Social Psychology

Credit 3 hours

Scientific study of social influence on human thought and behavior. Topics include the effects of attributions and attitudes on cognitive processes and behavior, the psychological effects of culture and gender, and the nature of prejudice, aggression, interpersonal attraction, and helping behavior. Pre-requisite for psychology majors: PSYC 131.

PSYC 334 Developmental Psychology

Credit 3 hours

General introduction to the major theories and research findings in developmental psychology, including biological, cognitive, and psychosocial development from birth through the play years, school years, adolescence, and adulthood. Pre-requisite for psychology majors: PSYC 131.

PSYC 350 Statistics for Psychologists

Credit 3 hours

Computational and graphical techniques in descriptive and inferential numerical data analysis, including introductions to measurement scales and their revisions, distributions, measures of central tendency and variability, correlation, regression, null hypothesis testing; analysis of variance and covariance, interval estimation, effect sizes, significance (clinical, practical, and statistical), sampling, probability theory, and data quality, including reliability and validity. This course utilizes statistical software. Pre-requisites for psychology majors: PSYC 131 and PSYC 242.

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- PSYC 390 Internship in Psychology** **Credit 1-6 hours**
Provides practical experience in psychology. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.
- PSYC 400 Independent Research** **Credit 1-3 hours**
Guided independent research in the area of psychology. The number of credit hours varies in accordance with the topic and the amount of work required. Pre-requisite: PSYC 131 and permission of the advisor and the Dean of the School of Education, Human Performance, Counseling, Psychology and Social Work.
- PSYC 401 Topics in Psychology** **Credit 1-3 hours**
Individual academic needs of those registered in this course will be accommodated. Normally, the instructor will select the topic in psychology. Pre-requisite: Permission of the advisor, the instructor, or the Dean of the School of Education, Human Performance, Counseling, Psychology and Social Work, and PSYC 131.
- PSYC 421 Culture and Psychology** **Credit 3 hours**
The impact of culture on behavioral and psychological processes, with analysis of some of the antecedents of cross-cultural conflicts. Pre-requisite for psychology majors: PSYC 131.
- PSYC 430 Behavioral Neuroscience** **Credit 3 hours**
Surveys neural morphology and physiology and addresses biology's role in psychological processes. Students will examine how the brain contributes to and is impacted by behavior, thereby gaining and understanding of neuronal function, neuroplasticity, neurotransmitter systems, neuroreceptor functions, and psychopharmacology principles as they relate to normal brain function and neuropathologies. Pre-requisite for psychology majors: PSYC 131.
- PSYC 433 Abnormal Psychology** **Credit 3 hours**
Survey of major mental and behavioral disorders by classification and categorical domains, and proposed genetic, neurological, behavioral, cognitive, emotional, social, and interpersonal influences that might contribute or be causative factors of mental health disorders. Pre-requisite for psychology majors: PSYC 131.
- PSYC 435 Theories of Personality** **Credit 3 hours**
Major theoretical orientations and research findings in personality psychology. Pre-requisite for psychology majors: PSYC 131.
- PSYC 442 History of Psychology** **Credit 3 hours**
An examination of the historical emergence of scientific psychology emphasizing its roots in philosophy, neuroscience, methodology, and statistics. Pre-requisite for psychology majors: PSYC 131.
- PSYC 499 Empirical Research Project** **Credit 3 hours**
An exercise in application and professional performance, majors in psychology refine as testable hypothesis design and experiment which includes data collection and analysis, execute the design to produce data, and write a manuscript with tables, figures, and narrative in APA Publication Manual (6th ed.) style for primary literature. Pre-requisites: PSYC 131, PSYC 242, and PSYC 350.

READING

- READ 400 Special Topics in Reading** **Credit 1-3 hours**
Recent trends and issues in the field of reading.
- READ 430 Reading and Writing in the Middle and Secondary Schools** **Credit 3 hours**
The nature of reading, pertinent research in the field, reading and writing as applicable to the middle and secondary reading curriculum, management of the middle and secondary reading and writing programs, application of reading and writing skills to the various subject areas, the selection of effective materials of teaching methods and techniques, and the use of various types of tests. Pre-requisites: student teaching or teaching experience.

READ 431 Improvement of Instruction in Reading**Credit 3 hours**

The nature of reading the pertinent research in the field, the curriculum in reading from the preparatory period through the intermediate grades, the management of the reading program, emphasis on specific reading skills taught in the elementary grades, the selection of effective materials, of teaching methods and techniques, and the use of various types of tests. (Also offered at the graduate level READ 531)

SOCIAL SCIENCE

SS 323 Law and the American Society**Credit 3 hours**

A study of the nature and function of the American legal system and its interrelationship with our social, political and economic institutions. This course examines the nature, functions, and limits of law and its impact on economic, political, and social institutions. Emphasis will be placed on debates of current legal issues.

SS 390 Internship in Social Science**Credit 1-12 hours**

Provides practical experience in social science in a social or governmental agency. Open to upper division students majoring in one of the social sciences. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

SS 400 Independent Study/Research**Credit 1-3 hours**

Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of Instructor, Dean and Academic Vice President is required.

SS 430 Topics in Social Science**Credit 1-3 hours**

Special topics in Social Science. May be repeated with a change of emphasis.

SS 495 Seminar in Social Science**Credit 3 hours**

Seminar is required for all History, History Education and Social Science majors. Students will understand Social Science methodologies and integrate knowledge and skills developed over the curriculum. Culminates the interdisciplinary focus of the program and produces a synthetic understanding of a topic/problem that is demonstrated in original scholarly research. Cross-listed with HIST 495.

SOCIAL WORK

SW 230 Topics in Social Work**Credit 1-3 hours**

Special topics in Social Work. May be repeated with a change of emphasis.

SW 231 Professional Social Work**Credit 3 hours**

Surveys the Social Work profession, including but not limited to Social Work leaders of the present and past, Social Work theories, beliefs, values, and ethics, Social Work fields of practice, methods, special populations, and human diversity in a rural area. Introduces systems theory, person-in-environment and U.S. political spectrum. Discusses the Social Work Code of Ethics. Students engage in personal values clarification relative to this code.

SW 251 Human Behavior in the Social Environment I**Credit 3 hours**

Examines theories of human development from prenatal to old age using a multidimensional, multicultural perspective that includes bio-physical, psychological, social, economic, and spiritual. Students apply developmental knowledge to understand person and environment and demonstrate introductory level practice behaviors in observation and interviewing.

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- SW 252 Human Behavior in the Social Environment II** **Credit 3 hours**
Examines theories and perspectives on human behavior in organizations and communities, including political-economic motivations, expectation sets, joining behaviors in the rural context. Competencies for dealing with power differentials, negotiation and coalition building are addressed. Issues associated with race/ethnicity, minority status, disabilities, and economic status involving vulnerable populations or at-risk population are emphasized. Students apply developmental knowledge and multidimensional perspectives through self-reflection, observations, interviews, and written analyses. Pre-requisite SW 251.
- SW 271 Social Welfare History and Service Delivery Systems** **Credit 3 hours**
Examines the developmental history of social welfare with a focus on political, social, cultural ideologies and systems during periods in European and American history. Explores the context for the development of social programs and the treatment of various out-groups, including persons considered poor, developmentally disabled, mentally retarded, ethnic and racial minorities, women, disabled, children, gay men and lesbian women, and religious minorities within the international community. Students analyze policy implementation of local social service delivery systems using a descriptive model of policy analysis. Pre-requisite: SW 231, 251, 252 or permission of instructor.
- SW 330 Diversity in the Rural Environment** **Credit 4 hours**
Examines practice competencies needed for generalist social work practice in the context of the rural setting. Social issues (poverty, isolation, transportation, and housing) and theories related to the life experience of African Americans, Native Americans, Asian Americans, and Hispanic Americans. Explores cultures and heritages of these groups along with other social groups such as women and sexual minorities in the rural context. Discusses factors of service provision with emphasis on capacity building in rural communities and issues of accommodation, acculturation, and assimilation. Pre-requisite: Sophomore standing.
- SW 331 Services to Children and Families** **Credit 3 hours**
Needs of children and families and services appropriate to satisfy these needs. Focuses on difficulties, strategies for intervention based upon a multi-cultural strengths perspective and rural practice context. Social Services for children and families are identified. Practice behaviors for legal and protective intervention, court process, and a variety of treatment interventions are explored. Field trips and/or agency guest lecturers provide an opportunity for on-site observation.
- SW 332 Services to Elderly and Differently Abled** **Credit 2 hours**
Practice behaviors and competencies of generalist social work practice with the geriatric population are addressed. Needs of the elderly and the physically and mentally differently abled are explored. Intervention and advocacy on behalf of these vulnerable populations is emphasized. Current services and alternatives will be considered. Rural context, myths and values will be discussed along with specific treatment modalities. Professional Social Work program course. Co-requisite: SW 435
- SW 338 Cross Cultural Practice Skills** **Credit 3 hours**
Explores the practice skills and cultural competencies necessary to practice Social Work with peoples of color, specifically Native Americans, African Americans, Hispanic Americans, and Asian Americans. Examines the historical and regional context of social service interventions, current areas of need, and skills and competencies required to provide Social Work interventions within a cross-cultural setting. Pre-requisite: SW 271.
- SW 339 Alcohol and Substance Abuse** **Credit 3 hours**
Examines the current state of knowledge associated with alcohol and substance use, abuse, and dependency, including the physical and pharmacological effects on the human body. Explores Social Work roles and values related to assessment and interventions with substance abuse issues in the context of individuals, families, organizations, and communities. Focus includes alcohol use, alcohol abuse, alcohol dependence, the disease concept, social issues, other chemicals abuse, and dual diagnosis of substances and mental illness. Ethno cultural factors in substance dependency are examined.

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- SW 340 Mental Health Social Work** **Credit 3 hours**
Examines the current state of knowledge in the field of mental health and mental health treatment, including theories of mental health and health illness and concepts of: case management, determination of need, mental health service systems, scope and variety of intervention methods, role of the interdisciplinary team, evaluation, and impact of discrimination.
- SW 343 Research Methods** **Credit 3 hours**
Introduces qualitative and quantitative world views, basic research methods, including developing single subject, survey, and grounded theory research designs to evaluate practice. Students develop competencies with critiques of research articles and application of existing Social Work knowledge and empirical research to design multi-level interventions and evaluation methods with individuals, families, groups, communities, and organizations. Students will demonstrate beginning generalist competency through individual and group projects. Professional Social Work Program course. Pre-requisite: PSYC 242 or MATH 232; SW 231, 251, 252, 271; Co-requisite: SW 343L.
- SW 343L Research Methods Lab** **Credit 1 hour**
Students apply knowledge of SPSS and Qualitative software involving data entry and data analysis on data generated from group projects developed in SW 343 Social Work Research Methods. Students complete developmental assignments on use of SPSS and qualitative analysis. Professional Social Work Program course. Co-requisite: SW 343.
- SW 371 International Social Welfare** **Credit 3 hours**
Examines globalization, salient global issues, development of institutions of social welfare, and their impact on social well-being and human need. The role of international organizations, sustainable agriculture, economic development, alternate economic structures, political systems, and policies in third world nations are examined. Emphasis is placed on the relationship between human rights, social and distributive justice and social intervention.
- SW 400 Independent Study/Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Pre-requisite: Permission of Instructor and Dean is required.
- SW 430 Topics in Social Work** **Credit 1-3 hours**
Special topics in Social Work. May be repeated with a change of emphasis. Pre-requisite: Permission of Instructor.
- SW 431 Generalist Methods Lab** **Credit 1 hour**
Students acquire knowledge and practice behavior skill in professional use of self in various interpersonal situations, including professional interviewing, therapeutic relationships, and personal assertiveness. Students record role plays with peer evaluations, individually complete programmed learning exercises to demonstrate engagement, assessment, intervention planning with clients and evaluation of practice. Professional Social Work Program course. Pre-requisite: SW 231, 251, 252, 271; Co-requisite: SW 432.
- SW 432 Methods I: Individuals and Families** **Credit 3 hours**
Examines Social Work interventions with individuals and families based upon Social Work research and theory, particularly resilience and the strength's perspective. Examines approaches to assessment, planning, implementation, and evaluation. Specific emphasis is given to Social Work practice behaviors and considerations of diversity when working with individuals and families. Professional Social Work Program course. Pre-requisite: SW 231, 251, 252, 271; Co-requisite: SW 431.
- SW 433 Methods II: Therapeutic and Task Groups** **Credit 3 hours**
Examines a broad range of groups, with emphasis on group theory, the nature and uses of therapeutic and task groups, including: group development, dynamics, facilitation skills, group assessments and outcome evaluation. Students demonstrate competencies, practice behaviors, and application of critical thinking, Social Work ethics in simulations and role plays with emphasis on assessment, design, and interventions with multi-cultural individuals, families, organizations and communities. Professional Social Work Program course. Pre-requisites: SW 343 and 432.

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- SW 434 Policy Analysis and Advocacy** **Credit 3 hours**
Examines theories on the development of public social welfare policy in the United States and explores the mechanisms and methods that sustain discrimination and oppression within policy processes. Competencies for advocacy including power differentials, negotiation and coalition building are addressed. Examines historical, content, process, political-economic, comparative, and constructivist models of policy analysis and applies these models to national and global social welfare issues for at-risk populations. Students demonstrate competencies through a policy analysis of a national policy with relevance to the local rural context, recommend proposed changes, and identify strategies for changing social welfare policies and practices. Professional Social Work Program course. Co-requisite: SW 433.
- SW 435 Methods III: Organizations and Communities** **Credit 3 hours**
Explores strategies and tactics for organizational and community change using a strength's perspective with attention to changing barriers to out-group participation in society and with attention to building systems responsive to the physical, psychological, social and economic needs of minority populations. Students demonstrate competency in organizational and community assessments, identify change targets, and propose strategies and tactics for creating change. Students participate in a significant community level project. Professional Social Work Program course. Co-requisite: SW 434.
- SW 436 Forensic Social Work** **Credit 3 hours**
Examines the application of Social Work knowledge and skills to law and the justice system, specifically in working with adjudicated individuals in clinics, prisons, juvenile and adult services, diversion programs, corrections, court mandated treatment, and psychiatric hospitals. Explores perspectives on issues of responsibility and competence to stand trial as juveniles and adults.
- SW 459 Pre-Field and Orientation** **Credit 1 hour**
Examines ethical dilemmas and ethical decision making, Social Work Code of Ethics, professional behavior, organizational entry, use of supervision, and field instruction policies and procedures. Field instructors and students complete written learning contracts with identified goals that will permit measurement of student attainment of practice behaviors and competencies applied in agency settings when in SW 464 Practicum. Professional Social Work Program course.
- SW 463 Professional Seminar** **Credit 2 hours**
Explores ethical issues and dilemmas and skills in collegial support and feedback through mutual problem-solving. Examines lifelong learning, job seeking, job interviewing, professional networking, state certification, state licensure and Social Work licensing boards, NASW membership, professional memberships, and graduate MSW applications. Students report progress on achievement of learning tasks and demonstrate use of empirical knowledge to guide practice based assessments and interventions. Professional Social Work Program course. Pre-requisite: SW 459; Co-requisite: SW 464.
- SW 464 Social Work Field Practicum** **Credit 5 - 10 hours**
Provides a structured educational experience in an approved social service agency with an approved field instructor based upon a written learning contract. Students complete a variety of learning tasks that demonstrate practice behaviors and competencies of a beginning generalist Social Work Professional. Students should enroll for 10 credit hours and expect to work 34-36 hours per week for the semester for a minimum total of 450 hours. In special situations and with the approval of the Field Director, a student may register for 5 credit hours in each of two consecutive spring semesters. Professional Social Work Program course. Pre-requisite: SW 459; Co-requisite: SW 463.

SOCIOLOGY

- SOC 230 Society: Global Comparison** **Credit 3 hours**
This course involves study and comparison of several societies including that of The United States. Specific areas of comparison include family structure, conflict resolution, economic activity, history and demography, education, and religion.

SOC 231 Introduction to Sociology**Credit 3 hours**

An introductory survey of the field of Sociology, including major theories, contemporary, methods, examination of research and writing in subfields of Sociology, and participation in a class research project.

SOC 332 Juvenile Delinquency**Credit 3 hours**

A study of the history and concept of delinquency, the development of the juvenile justice system, nature and extent of delinquency, theoretical explanations of delinquency, and environmental influences of delinquency. Special topics covered include child abuse and neglect, school-based crime, gang control efforts, and the relationship between delinquency and drug abuse. Cross-listed as CJ 332.

SOC 339 Criminology**Credit 3 hours**

A study of the nature and causes of criminal behavior. This course will analyze the crime causation ranging through biological, psychological, sociological, and cultural theories. This course will also evaluate the historical influences and thoughts which have led to criminology's development as a contemporary science. Cross-listed as CJ 339.

SOC 369 Civic Engagement: Theory and Practice**Credit 3 hours**

Students will explore theories of civic engagement and patterns of civic participation with a focus on the United States. They will also engage in experiential learning through one several possible opportunities to contribute to their communities. In doing so, students will further develop their own ideas in collaboration with others as to their role as citizens.

SPECIAL EDUCATION

SPED 216 Pre-referral Clinical Experience**Credit 1 hour**

This course promotes learning opportunities to develop the understanding of how assessment instruments and equipment is used in the screening of students. The screening can be used for academic achievement, program development, pre-referral for evaluation, or assistive technology. Student will complete professional clinical experience (20 clock hours) in a general education setting to develop an understanding of how pre-referral assessment instruments and Response to Intervention (RTI) strategies are used in the screening of students. These hours may be completed working in a Title I, RTI, TAT, Head Start or other school pre-referral program (pre-req. SPED 230)

SPED 230 Introduction to the Exceptional Learner**Credit 3 hours**

Provides an overview of the exceptionalities, their definitions, prevalence, etiology, characteristics, and related instructional needs and accommodations for special needs and exceptional populations including gifted/talented students. Emphasis is on current educational methods and placements to understanding the impact of teaching practices and curriculum, considerations. Required of all Education Majors. Pre-requisite: EDUC 131.

SPED 232 Interpersonal Communications Skills for Special Educators**Credit 3 hours**

Involves the study and application of communication skills special education teachers may utilize in conferencing with parents, staff members, and other professionals concerning planning and implementing special education programs for infants, preschool, school-age learners, and adults with mild/moderate disabilities. Pre-requisite: SPED 230.

SPED 316e Microteaching in Preschool/Elementary/Middle School Special Education**Credit 1 hour**

Promotes the hands-on application of methods learned in accordance with teaching students with special needs at the preschool, elementary or middle grades level. Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 50 hours of clinical practice.

SPED 316s Microteaching in Secondary Special Education**Credit 1 hour**

Promotes the hands-on application of methods learned in accordance with teaching students with special needs at the secondary level (7-12). Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 50 hours of clinical practice.

SPED 331 Behavior Modification and Management**Credit 3 hours**

This course promotes the understanding of behavior management theories and best practices for students with disabilities. The focus is on identifying behavior strategies based upon data collection, functional, and formal assessments from preschool through adolescence. Emphasis will be placed upon positive behavioral intervention strategies and best practice for promoting behavioral change among students. Topics include: legal considerations, manifestation determination, and the impact of cultural diversity, family dynamics and economic stressors on school behavior. (Pre-requisite: SPED 230)

SPED 334 Differentiated Instruction for Diverse Classrooms**Credit 3 hours**

This course covers teaching strategies laws, and procedures for working with students with special needs within diverse and inclusive classroom environments. Students will participate in hands-on activities, identify key instructional strategies and accommodations for students with special needs including gifted/talented and ELL students and become familiar with laws and policies governing special education practices in today's schools. This course is a required Education course for all students wishing to be teachers, and should be taken as part of the student's junior year, prior to the Professional Year. Pre-requisite: PSYC 231 and SPED 230.

SPED 390 Internship in Special Education**Credit 1-3 hours**

Provides practical experience in an agency related to education/special education. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be conducted. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours. The internship will not replace any Special Education or Education observation and/or field experience requirements, or any required courses, and should not be done while the student is in their Professional Year.

SPED 400 Independent Study or Research**Credit 1-3 hours**

Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Approval of Academic Dean required.

SPED 412E/S Special Education Practices and Strategies**Credit 1 hour**

This course covers teaching strategies, development of curriculum units and lesson planning, questioning skills and motivation techniques for teachers teaching within inclusive classroom environments. This course is taken as part of the Professional Semester and is part of a "Block" of courses that are taken in the same semester.

SPED 432/536 Elementary/Middle School/Secondary Methods & Materials for Mild/Mod Disab **Credit 4 hours**

This course covers instructional, curricular, and adaptive or assistive technological approaches to accommodate the academic, social, emotional, cognitive, linguistic, and physical needs of learners with mild/moderate disabilities. Based on best practice learning theories for students with disabilities, information obtained from this course will center on the use of methods and materials to facilitate learning of elementary/middle grades/secondary students with mild/moderate disabilities.

SPED 433/531 Program Development, Implementation, and Management**Credit 3 hours**

This course teaches development, implementation, and management of special education programs, which include individual education plans (IEP), individual family service plan (IFSP), and transition plans. This course will include (a) a background of laws leading up to IDEA, (b) a working knowledge of IDEA and related amendments, (c) hands-on experience in the formulation and development of IEP's, IFSP's, transition plans, and (d) techniques/strategies in adapting curriculum for students with special needs (e) identification of community resources and support for families of students with disabilities.

SPED 435 Assessing Individuals with Mild/Moderate Disabilities**Credit 3 hours**

Provides opportunities to learn assessment procedures and practices used to obtain information about the learning and development of students with mild/moderate needs, including administering, interpreting, and reporting test results and formulating instructional outcomes and subsequent learning programs. Understanding how information obtained from quantitative/qualitative measures and teachers' experiences influence their abilities to interpret strengths and needs, formulate instructional outcomes, develop curriculum, and select appropriate teaching strategies.

SPED 437 Special Topics in Special Education**Credit 1- 3 hours**

Development, implementation, and management of *Inclusive Classrooms* in the K-12 school environment. This course will include discussion and reflection on the following topics pertaining to Special Education: (a) Response to Intervention [RTI], (b) Inclusive Classroom Environments; (c) Federal Laws including IDEA; (d) Classroom Management and Inclusive Classroom Behavior Interventions; (e) Curriculum Adaptation, and (f) providing supportive services for all children including those who are “At-Risk”.

SPED 438 Consultation/Collaboration**Credit 3 hours**

Consulting and collaborating skills will be developed for special educators working with parents, para-educators, and other professionals working with students with special needs. Emphasis will be given to formal and informal meetings & conferences in planning, developing, and implementing special education programs. This course will cover consultation/collaboration theory, group dynamics, the special educator as a consultant, the importance of consultation/collaboration in an inclusive setting, needs assessment research and staff development, and dealing with conflict.

SPED 439/539 Language and Learning Disorders**Credit 3 hours**

This course is an introductory course for undergraduate students on the subject of language and associated learning disorders. It provides students with an opportunity for integrating information from several content areas (i.e., language development, learning disorders, and anatomy) and applying that knowledge to children presenting language-based learning disorders.

THEATRE

TH 015 Theatre Practicum**Credit 1 hour**

Participation in theatre department productions. Repeatable up to eight (8) hours.

TH 134 Principles of Acting**Credit 3 hours**

Study of the principles and techniques of acting with practice in theatre games, improvisation, and scene work.

TH 159 Technical Theatre**Credit 2 hours**

Study of the technical elements of theatrical production. This includes construction techniques, responsibilities of production team members, sound equipment, and other theatrical equipment. Students will be required to purchase supplies. Must be taken concurrently with TH 159L.

TH 159L Technical Theatre Lab**Credit 1 hour**

Laboratory experience. Must be taken concurrently with TH 159.

TH 222 Stage Make-Up**Credit 2 hours**

Theory and techniques of theatrical make-up. In addition to practical application projects, students will develop research and morgues for make-up applications geared toward creating theatrical characters.

TH 234 Audition Techniques and Practices**Credit 2 hours**

Intensive practicum on the selection, preparation and presentation of audition materials. This will include headshots and resumes, music selection, monologue selection, cold readings and presentation.

TH 235 Elements of Theatre**Credit 3 hours**

Overview of history and techniques employed in theatrical production and criticism. Lecture, demonstration, theatre projects, and attendance of theatrical performances.

TH 237 Beginning Directing**Credit 3 hours**

Theory and practice of play direction, including blocking, analysis, organization, rehearsal, working with actors, and collaboration. Students will direct and present a 10 minute play for the final authentic assessment. Designed for theatre majors, minors, and language arts students. Pre-requisites: TH 134 and/or permission of instructor.

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- TH 242 Introduction to Lighting Design** **Credit 2 hours**
A study of the aesthetics and mechanics of lighting design. Examination of the fundamental concepts involved in formulating the lighting design for a theatrical performance. Experience in instrumentation, control of lighting, use of color, script analysis, development of light plots and related paperwork required for production. Must be taken concurrently with TH 242L.
- TH 242L Introduction to Lighting Design Lab** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with TH 242.
- TH 243 Introduction to Set Design** **Credit 2-3 hours**
A study of the aesthetics and mechanics of set design. Examination of the fundamental concepts involved in formulating the set design for theatrical performance. Experiences in communication of the design through the use of script analysis, research, drafting, sketches, and models.
- TH 300/400 Independent Study or Research** **Credit 1-3 hours**
Study or research in an area of special interest. The number of credit hours is determined by the topic and the amount of work required. Permission of the Instructor, Dean and Academic Vice President is required.
- TH 327 Fundamentals of Voice and Movement** **Credit 3 hours**
Process-oriented study in voice and movement fundamentals for the actor; includes work on mechanicals of vocal production, IPA (International Phonetic Alphabet) Laban-based movement, and explorations of character development.
- TH 334 Intermediate Acting** **Credit 3 hours**
Development of the actor using Meisner Technique and Practical Aesthetics. Includes scene-based improvisation, intensive scene study and analysis, and scene work. Pre-requisites: TH 134 and/or permission of the Instructor.
- TH 336 Theatre History I** **Credit 3 hours**
Examination of the interaction between theatre and society, centering on the contributions of theatre in mirroring cultures. Students will examine the roots and development of world theatre, from ancient Greece to the Renaissance periods.
- TH 337 Theatre History II** **Credit 3 hours**
Examination of the interaction between theatre and society, centering on the contributions of theatre in mirroring cultures. Students will examine the roots and development of world theatre, from the Restoration to Modern Theatre.
- TH 339 Children's Theatre Workshop** **Credit 4 hours**
Workshop geared toward the mounting and production of a performance for young audiences. Workshop participants will be responsible for the production and performance of a selected work. Activities include: rehearsal and adaptation, class room activities for youth, touring and setup, marketing and publicity, and theatre organization. Permission of Instructor required.
- TH 390 Internship in Theatre** **Credit 1-12 hours**
Provides practical experience in theatre at the Post Playhouse or other professional theatre, in either performance or nonperformance areas. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester the internship will be started. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours. Internship credits may be substituted for other required credit in Theatre at the discretion of the Theatre faculty.
- TH 412 Senior Assessment Jury** **Credit 1 hour**
Students will present professionally prepared audition material, portfolios, resumes, models, and designs to the theatre faculty. The course is designed to prepare students for the job market by requiring them to give a formal audition/presentation. This will serve as part of the final authentic assessment for exiting seniors in Theatre. Pre-requisites: 2.5 cumulative GPA and consent of the Theatre faculty.

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- TH 429 Play script Analysis** **Credit 3 hours**
Studies in structure of the play script and script analysis. Students will do play script analysis for performance, directing, and design with its specific relationship to production concept and/or research.
- TH 434 Advanced Acting (periods and styles)** **Credit 3 hours**
Study of period styles of acting from Greek Classics and Elizabethan Tragedy to Restoration Comedy and Farce. Pre-requisites: TH 134 and TH 334 and permission of the Instructor.
- TH 435 Topics in Theatre** **Credit 3 hours**
Special topics in theatre. May be repeated with a change of emphasis. Permission of Instructor and Program Director required. Areas of emphasis may include stage combat, scene painting, and acting for the camera.
- TH 437 Directing for the Stage** **Credit 3 hours**
Advanced study of the theories and techniques of stage direction. Student will direct a short play using alternative staging as final project. Pre-requisites: TH 237 and permission of the Instructor and Program Director.
- TH 459A Theatrical Design: Advanced Set Design** **Credit 3 hours**
Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musical, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber. Pre-requisites: TH 243 or TH 242.
- TH 459B Theatrical Design: Advanced Lighting Design** **Credit 3 hours**
Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musicals, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber. Pre-requisites: TH 243 or TH 242.

WORLD LANGUAGE

- WLAN 100 Conversational Foreign Language** **Credit 3 hours**
Introduction to foreign language and selected foreign-speaking cultures with emphasis on oral communication through the development of listening and conversational skills. Some short readings may be included to facilitate understanding of directions written in foreign language, and basic grammar will be included as necessary to facilitate clarity in conversation. Repeatable for up to six credit hours in a single foreign language. May be repeated for another six hours in a different foreign language.
- WLAN 238 Study Abroad Program** **Credit 3 hours**
Intense exposure to a foreign language and to the culture of one of the countries in which it is spoken. This intermediate course is only offered in conjunction with a residential experience in a foreign speaking country.
- WLAN 400 Independent Study or Research** **Credit 1-3 hours**
Open to students who wish to do advanced work in a special field of foreign language. Conferences to be arranged. Permission of Instructor, Dean and Academic Vice President is required.
- WLAN 438 Advanced Summer Program Abroad** **Credit 3 hours**
Intense exposure to a foreign language and to the culture of one of the countries in which it is spoken. This advanced course is only offered in conjunction with a residential experience in a foreign speaking country. Repeatable for up to six credit hours in a single foreign language. May be repeated for another six hours in a different foreign language.

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