

Chadron State College

General Catalog 2011–2013



CSC
CHADRON STATE COLLEGE
www.csc.edu

2011-2013 GENERAL BULLETIN



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. Any such changes are available from the Registrar's Office. Students are responsible for adhering to regulations and completing requirements for their program of study.

DIRECTORY

The address of Chadron State College is:
 1000 Main Street
 Chadron, Nebraska 69337
 Telephone: (308) 432-6000
 Internet: www.csc.edu
 Admissions Office: inquire@csc.edu
 Online learning: www.chadronstateonline.com

Listed below are offices to which inquiries may be directed. Dial 308-432 followed by the Extension noted at the right.

| | |
|---|---|
| Admissions (Undergraduate and Graduate)..... | Director, Crites Hall, -6263 |
| Alumni..... | Director, Sparks Hall, -6366 |
| Class Registration..... | Advising, Crites Hall, -6221 |
| Curriculum/Instruction..... | Vice President for Academic Affairs, Sparks Hall, -6203 |
| Disability Services..... | Counselor, Crites Hall, -6461 |
| Extended Campus Programs (ITV, correspondence courses)..... | Associate Vice President, Crites Hall, -6376 |
| Fees/Tuition/Payment of Bills..... | Business Office, Crites Hall, -6241 |
| Financial Aid..... | Director, Crites Hall, -6230 |
| Gifts/Contributions..... | Chadron State Foundation, Sparks Hall, -6366 |
| Housing..... | Director, Crites Hall, -6355 |
| Internship and Career Services..... | Director, Crites Hall, -6388 |
| Library..... | Director, Reta King Library -6271 |
| Public Information..... | Media and Public Relations Coordinator, Sparks Hall, -6213 |
| Career and Academic Planning Services..... | Director, Crites Hall, -6461 |
| Student Information..... | Vice President for Enrollment Management and Student Services, Crites Hall, -6231 |
| Student Senate..... | Office, Student Center, -6386 |
| Transcript/s..... | Registrar, Crites Hall, -6221 |
| Tutoring..... | Coordinator, Gold Room, -6381 |

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2011-2013 ACADEMIC CALENDARS

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

FALL TERM 2011

AUGUST

19 Friday Faculty Orientation
22 Monday..... Classes Begin

SEPTEMBER

5 Monday..... Labor Day — No Classes

OCTOBER

14 Friday Mid Term
14 Friday Mid Term Break Begins, 5:00 pm
19 Wednesday Classes Convene

NOVEMBER

1 Tuesday Application Deadline for Teaching Professional Semester
15 Tuesday Application Deadline for May Graduation
23 Wednesday Thanksgiving Break Begins, 7:00 am
28 Monday..... Classes Convene

DECEMBER

12 Monday..... Academic Program Assessment Day
13 Tuesday Exam Week Begins
16 Friday First Semester Ends, 5:00 pm
16 Friday Commencement

SPRING TERM 2012

JANUARY

9 Monday..... Classes Begin

MARCH

1 Thursday Application Deadline for Teaching Professional Semester
2 Friday Mid Term
2 Friday Mid Term Break Begins, 5:00 pm
12 Monday..... Classes Convene

APRIL

6 Friday Spring Break Begins, 5:00 pm
10 Tuesday Classes Convene
13 Friday Scholastic Day
13 Friday Application Deadline for December Graduation
30 Monday..... Academic Program Assessment Day

MAY

1 Tuesday Exam Week Begins
4 Friday Second Semester Ends, 5:00 pm
5 Saturday..... Commencement

FALL TERM 2012

AUGUST

17 Friday Faculty Orientation
 20 Monday..... Classes Begin

SEPTEMBER

3 Monday..... Labor Day — No Classes

OCTOBER

12 Friday Mid Term
 12 Friday Mid Term Break Begins, 5:00 pm
 17 Wednesday Classes Convene

NOVEMBER

1 Thursday Application Deadline for Teaching Professional Semester
 15 Thursday Application Deadline for May Graduation
 21 Wednesday Thanksgiving Break Begins, 7:00 am
 26 Monday..... Classes Convene

DECEMBER

10 Monday..... Academic Program Assessment Day
 11 Tuesday Exam Week Begins
 14 Friday First Semester Ends, 5:00 pm
 14 Friday Commencement

SPRING TERM 2013

JANUARY

7 Monday..... Classes Begin

MARCH

1 Friday Application Deadline for Teaching Professional Semester
 1 Friday Mid Term
 1 Friday Mid Term Break Begins, 5:00 pm
 11 Monday..... Classes Convene
 29 Friday Spring Break Begins, 5:00 pm

APRIL

2 Tuesday Classes Convene
 5 Friday Scholastic Day
 15 Monday..... Application Deadline for December Graduation
 29 Monday..... Academic Program Assessment Day
 30 Tuesday Exam Week Begins

MAY

3 Friday Second Semester Ends, 5:00 pm
 4 Saturday..... Commencement

CHADRON STATE COLLEGE

- Location:** Chadron, Nebraska, a city of approximately 6,000 residents, is located in the northwest corner of Nebraska. Federal Highways 385 and 20 intersect at Chadron
- Type:** A state-supported college granting baccalaureate and graduate degrees
- Enrollment:** Approximately 2,800 students
- Calendar:** Academic year of two semesters; summer session; five eight week sessions
- Accreditation:**
- Higher Learning Commission; Member - North Central Association
30 North LaSalle Street, Suite 2400
Chicago, IL 60602-2504
Telephone: (800) 621-7440 Fax: (312) 263-7462
Internet: www.ncahlc.org
 - National Council for the Accreditation of Teacher Education
 - Nebraska State Department of Education
 - Council on Social Work Education
 - Accreditation Council for Business Schools and Programs
- Degrees Granted:** Bachelor of Applied Sciences, Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Master of Arts in Education, Master of Business Administration, Master of Education, and Master of Science, as well as pre-professional education
- Library:** 250,000 volumes, 750 current periodicals and newspapers; supplemented by loans from other libraries throughout the United States. On-line, web-based periodical indices, and full-text databases. The online library catalog for Chadron State College is available through web access along with a comprehensive list of other libraries' catalogs throughout Nebraska and worldwide.
- Career Services:** A wide range of resources are available to assist students in career planning and job attainment
- Athletics:** Competition in NCAA Division II varsity sports, Rocky Mountain Athletic Conference, and intercollegiate rodeo; intramural sports program
- Financial Assistance:** Available to eligible admitted degree-seeking students based upon financial need
- Housing:** College owned and operated residence halls

The College's Residential and Online Environment

Residential Environment

Chadron State College, nestled against "C" Hill, lies within the southern boundary of the city of Chadron, Nebraska, which has a population of approximately 6,000 residents. The scenic Pine Ridge of northwestern Nebraska has long been recognized as the most beautiful portion of the state. The prairie and hills around Chadron are rich in pioneer history, and the town was founded in 1885. Fort Robinson, twenty-eight miles away, was once a colorful frontier military post and provides a variety of activities amid its historic buildings, including the Post Playhouse, sponsored each summer by the college's theatre department. Chadron State Park, the Pine Ridge, the Museum of the Fur Trade, the Sandhills of Nebraska, the Hudson-Meng Bison Site, the Agate Fossil Beds, the Black Hills of South Dakota, and the Hot Springs Mammoth Site provide opportunities for exciting day trips, including sight-seeing, fishing, hunting, hiking, mountain biking and skiing. The city of Chadron has a municipal airport with daily flights to Denver International Airport, city and college swimming pools, an accredited public school system, a Carnegie Library, a community building, a modern municipal hospital with a health clinic for students, and a system of beautiful public parks and an arboretum. In 2000, "Sports Afield" designated Chadron as one of the "top 50 outdoor sports towns" in the nation and one of the four best mountain biking towns in the United States. "Outside Magazine" has selected Dawes County, where Chadron is located, as one of the nation's top 100 counties in which to live.

The Chadron State College residential campus, occupying two hundred eighty-one acres, is bound on the south by the tall, pine-clad buttes of the Pine Ridge. Twenty-four major buildings with more than one million square feet of floor space provide state-of-the-art facilities for residential students. Six buildings have been completely renovated in the past decade. The Nelson Physical Activity Center contains specialized rooms for indoor track, basketball, cardiovascular exercise, weight training, racquetball, and dance and gymnastics. The Student Center houses the Eagle Pride Bookstore, the Eagle Grille snack bar, pool tables and giant TV, a ballroom, meeting rooms, student cafeteria, offices for student government, and a video conferencing room. The Reta E. King Library contains a quarter of a million print and microform volumes and 750 periodical subscriptions, complemented by other print and electronic resources. It also houses a student computer lab, electronically-mediated classroom, student meeting rooms and a coffee café, and boasts wireless laptop computers for checkout and student use throughout the facility. Library materials are accessible by students via onsite and Internet communications. The computerized Nebraska State College Library catalog, reached via the King Library web page, identifies books in the Chadron, Wayne, and Peru State College libraries and acts as a gateway to the libraries at the three campuses of the University of Nebraska. On-line, web-based periodical indexes and articles provide an electronic catalog of the world's library collections. A highlight in the last decade was the development of the Mari Sandoz High Plains Heritage Center that pays tribute to the western Nebraska native who became one of America's leading authors. The center focuses on the settlement and development of the High Plains region, including the history of the cattle industry in the C.F. Coffee Gallery. The center houses an archive of important historical documents and artifacts, as well as a state-of-the-art digitizing laboratory, the Kosman electronically mediated classroom, a gallery of rotating artistic and historical exhibits, permanent exhibits on Sandoz and the high plains environment, and the outdoor Heritage Gardens that feature Sandhills and pioneer plantings. Other important campus facilities include the High Plains Herbarium and Pharmacognosy Collection, the Eleanor Barbour-Cook Museum of Geology, the CSC Planetarium, the Black Box Theatre and the "hot glass" glass-blowing facility in Memorial Hall.

Students at Chadron State College can participate in a wide variety of extracurricular activities provided by the more than 60 student clubs and organizations. The college fields NCAA Division II teams in football, volleyball, men's and women's basketball, track and field, wrestling, women's golf, and women's softball. CSC athletes have earned 125 All-American and 64 Academic All-American/Scholar-Athlete honors since 1980. Chadron State has an excellent rodeo team that hosts a regional collegiate rodeo each year, and boasts several national collegiate champions in individual events.

Online Environment

Chadron State College has a long tradition of serving the needs of learners located across the vast region of the Great Plains with the first distance learning course being offered in 1930. The college embraces its role as a regional institution, offering courses on the residential campus in Chadron, at select sites within western Nebraska via interactive television and on-site instruction, as well as online programs throughout the world. Offices in North Platte, and Scottsbluff are staffed by college employees to facilitate awareness of and response to regional needs, student enrollment and advising, and public outreach efforts. A complete array of student services is available online for students enrolled in the college's twelve distance learning programs. With this rich history of outreach to distance learners as its experience base, CSC Online was created to provide a web-based learning environment second to none. Academic offerings available through CSC Online are targeted to the needs of today's learners and are accessed through the best available technology. The online college allows learners to pursue their education without the constraints of time and place. Chadron State's Online College is designed for learners who are not able to attend on-campus, learners needing more flexibility for work

and family, and those seeking the convenience and freedom that CSC Online can afford them. The online programs and courses of CSC are developed and taught by the same high quality faculty members who teach on the CSC campus in Chadron. Through its website, www.chadronstateonline.com, students are able to learn more about CSC's online program offerings, apply for admission, register for courses, communicate with advisors, review financial aid information and apply for assistance, access an array of students services, take a Readiness for Online Learning Quiz, visit a Demonstration Course, Take a Browser Test, and go to class.

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; 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, the Master of Science in Organizational Management, and the Specialist in Education degree. Chadron State College is also accredited by the National Council for the Accreditation of Teacher Education, the Council on Social Work Education, and Association of Collegiate Business Schools and Programs.

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. The President of Chadron State College reports to the Chancellor of the NSCS. Reporting directly to the President of Chadron State College, are three Vice Presidents: the Vice President for Academic Affairs, the Vice President for Enrollment Management and Student Services, and the Vice President for Administration and Finance, as well as the Associate Vice President for Market Development comprising the President's cabinet.

The Vice President for Academic Affairs oversees all academic and instructional programs at Chadron State College. Deans and Directors of the following units report to the Vice President: The School of Liberal Arts, School of Business, Entrepreneurship, Applied and Mathematical Sciences and Sciences, School of Education, Human Performance, Counseling, Psychology and Social Work, The Reta E. King Library, and The Mari Sandoz High Plains Heritage Center. Twelve academic departments are located within the three Academic Schools, as follows:

School of Liberal Arts

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

School of Business, Entrepreneurship, Applied and Mathematical Sciences and Sciences

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

School of Education, Human Performance, Counseling, Psychology and Social Work

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

The Vice President for Enrollment Management and Student Services oversees enrollment services, admissions, records and transcripts, financial aid, residential housing, student government and activities, and student academic success services. Directors of these units, including the Assistant Vice President for Enrollment Management, report directly to this Vice President.

The Vice President of Administration and Finance oversees facilities, information technology, grounds, human resources, budgets, conferencing, and contract services. Directors of these units report to this Vice President.

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 has offered a Master's degree in Education since 1956. In 1972, the Board of Trustees authorized CSC to offer the Specialist in Education degree. 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.

Nondiscrimination Policy/Equal Educational and Employment Opportunity Policy

Chadron State College is committed to an affirmative action 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 (ADA) Act may be reviewed in the office of the Director of Human Resources or in the Reta E. King Library, 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; 432-6203
- Physical access - Vice President for Administration; Sparks Hall; 432-6202
- Employee access - Director of Human Resources; Sparks Hall; 432-6224

Title IX

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 an individual to coordinate the College's nondiscrimination efforts to comply with regulations implementing Title VI, VII, IX, and Section 504. Inquiries regarding non-discrimination policies and practices may be directed to Kara Vogt, Director of Human Resources, Title VI, VII, IX Compliance Coordinator, Chadron State College, 1000 Main Street, Chadron, NE 69337, (308) 432-6224.

ADMISSIONS (All Students)

How to Apply for Admission

to
CHADRON STATE COLLEGE

Contact the Admissions Office.

Admissions Office
Crites Hall
Chadron State College
1000 Main Street
Chadron, NE 69337
Phone: 1-800-242-3766 or 308-432-6263
inquire@csc.edu
www.csc.edu

Obtaining an NUID and Password

1. To Apply to CSC, go to www.csc.edu
 - a. Click "Apply to CSC"
 - b. Select the appropriate type of application from the drop down menu, and click "Go"
 - c. If "New User", click "Register Here"
 - d. If "Returning CSC student", with NUID and password, start the new application

2. NUID and Password
 - a. The first step in the application process for a student new to CSC is to register for an NUID and Password
 - b. NUID = 8-digit Student ID number (assigned to student for life) may not be re-set
 - c. Password = something selected by the student, following the directions displayed
 - d. Make sure to REMEMBER this information and keep it safe

MyCSC

Every student applicant will automatically receive a MyCSC account, which is accessible at csc.edu/portal. Use student NUID and password to access the MyCSC account
MyCSC is the main connection between CSC and students beginning with admissions through graduation

How to Login to MyCSC

Go to www.csc.edu. In the top right corner of the page, there is a link to MyCSC. Next, click "New MyCSC" and then enter your NUID and Password. On the following page, click "Student Center".

This will display the student "To Do" list, financial aid, class schedule, personal contact info, and CSC bill.

It is **important** that students check their MyCSC accounts regularly.

TrueYou

To re-set a student password, follow the instructions in this tutorial:

<http://www.csc.edu/nesis/student/tutorials/MyCSCLogin/>

The Admissions Office can supply the information you will need, or direct you to faculty or staff will assist you.

General Admissions Information

Chadron State College is committed to the policy that all persons have equal opportunity and access to programs without discrimination on the basis of race, color, national origin, marital status, gender, age, religion, or disability. All students seeking admission for enrollment in degree-granting programs must complete the Application for Admission and submit all related documents before admission can be granted. All materials become the property of Chadron State College and are not returned. Admission may be invalidated if granted on the basis of false information willfully submitted, or if the disclosure of facts required in the application process are intentionally concealed or omitted.

Fees

- **Matriculation Fee** - Every student who enrolls for the first time at Chadron State College shall pay a one-time, \$15 matriculation fee. The fee is used to establish a student's record and is non-refundable except in cases where the student is denied admission to CSC.
- **New Student Orientation (NSO) Fee** - All new students are required to attend NSO, prior to the start of fall classes. Each student is strongly encouraged to bring up to two adult guests for the Thursday and Friday orientation sessions. Each new, incoming student is automatically charged a \$100 NSO fee to cover the cost of this event for the student and up to two parents/guests. Please ensure your guests are registered.
- **College Preparatory Program** - In order to improve students' preparation for college-level work, Chadron State College recommends the following College Preparatory Program for high school students who wish to enter Chadron State College:
 1. Four units of English; in each year the content of the courses should have an emphasis upon the development of written and oral communication skills and literature;
 2. Three units of mathematics, including such courses as algebra, geometry, advanced algebra, trigonometry, or calculus; students are encouraged to take a math course during their senior year;
 3. Three units of social studies, including one unit of American history and one unit of global studies;
 4. Two units of laboratory science, such as biology, chemistry, or physics; and
 5. Other academic courses selected from areas such as foreign language, visual or performing arts, and computer literacy.Students who enter Chadron State College without sufficient academic background may need to enroll in foundational courses to enhance their opportunities for success.
- **General Bulletin/Catalog** - All first-time entering students will be assigned to the current catalog. Transfer students or students returning to Chadron State College following a break in their enrollment will be assigned the catalog in effect for their peer classification at Chadron State College. Students may choose to follow a later catalog published after their (re)enrollment.

Undergraduate Admissions Checklists

New Student Admissions Checklist

- Complete and submit application online
- Submit **official, final** transcript in a sealed envelope from the high school*
- If student has earned college credit, request that an official, final college transcript be sent to Admissions
- Apply for on-campus housing (does not apply to online students)
- Submit health form with proof of immunizations records or exemption (does not apply to online students)
- Sign up for and attend On-Campus Registration (OCR) and New Student Orientation (NSO)

* Including high school, advanced placement, CLEP, test scores

* For detailed admissions policies, please visit the admissions webpage at <http://www.csc.edu/admissions>

Additional Information for Freshmen

- **ACT/SAT exam:** All new students are required to complete the ACT or SAT exam and have official scores reports sent directly to the CSC Admissions Office (ACT College Code 2466, SAT Code 6466). The ACT/SAT is not required of prospective students who graduated from a state-accredited high school five or more years prior to enrollment.
- **Transcripts:** Applicants must submit **official** final high school transcript reflecting date of graduation.
- **Health Form Requirement:** All on-campus students entering any Nebraska State College institution must show a physician-validated immunization record for two doses of measles, mumps and rubella. Exemptions are available for qualifying students. Contact the Health Services office in Crites Hall for more information.

Transfer Student Admissions Checklist

- Complete and submit application online
- Submit **official** college transcripts from each college attended
- Submit health form with proof of immunizations records or exemption (does not apply to online students)
- Sign up for and attend On-Campus Registration (OCR) and New Student Orientation (NSO)

* For detailed admissions policies, please visit the admissions webpage at <http://www.csc.edu/admissions>

Additional Information for Transfer Students

- **Transcripts:** One **official** transcript from each college attended must be submitted, even if no credit was earned at the institution. Students may not omit any part of their previous college records, whether part-time or full-time, with or without degree objectives, whether or not credit has been granted, or whether or not they desire to transfer credit. Failure to disclose a complete collegiate record may result in denial of admission or in dismissal from Chadron State College. **Official** high school transcript is required if the applicant has attempted less than 12 college credits, or at the discretion of the Admissions Office.
- **Grade Point Average:** Transfer applicants must have a minimum cumulative grade point average of “C” (2.0) earned at institutions accredited by a regional higher education accrediting agency to be eligible for admission without qualification. Students with grade point averages below this level or who earned their credit from non-accredited schools are admitted on a probationary status.
- **Eligibility:** Prospective transfer students must be eligible to return to the institution last attended. Those who have been suspended or dismissed from another college or university for academic or personal reasons may not be considered for admission until eligible to return to their former institution, or until one full academic semester has elapsed.
- **Health Form Requirement:** All on-campus students entering any Nebraska State College institution must show a physician-validated immunization record for two doses of measles, mumps and rubella. Exemptions are available for qualifying students. Contact the Health Services office in Crites Hall for more information.
- **Transfer Credit From Accredited Colleges Or Universities:** A student must complete at Chadron State College a minimum of 50 percent of the hours required for the program of study unless otherwise accepted by institutional agreement prior to enrollment. Completion of specific lower division courses may also be required in individual degree programs. Courses that have been recorded as credit/no credit will not be used to meet subject major, comprehensive major, minor, or endorsement area requirements. A maximum total of 66 hours will be applied toward the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Education. A maximum total of 70 hours from regionally-accredited community colleges will be accepted into the Bachelor of Applied Science degree. No grades of “C minus” or below can be transferred to CSC.

- **General Studies Credit:** Students who have completed an Associate of Arts degree from a regionally accredited institution will have met all General Studies requirements with the exception of the three (3) hours of upper division general studies requirements in Reason and Values and three (3) hours of upper division general studies requirement in Global and Social Awareness. Completion of specific lower division courses may also be required in individual degree programs. Students with an Associate of Science or an Associate of Occupational Studies should check with the CSC Registrar's office for specific details regarding additional General Studies credits that may be required for graduation.
- **Transfer Credit From Non-accredited Colleges Or Universities:** Credits earned from a non-accredited institution may be accepted on a provisional basis, until the satisfactory completion of 30 hours at Chadron State College. Other stipulations as outlined in the section above regarding transfer of credit from accredited colleges apply. The College reserves the right not to transfer credit from non-accredited institutions.
- **Transfer Credit From Vocational And Technical Institutions:** Credits earned at a vocational/technical college are transferable if they are substantially equivalent to Chadron State College courses. Equivalency of a course, including the number of semester hours to be awarded, is determined by the appropriate department at Chadron State College. Other stipulations as outlined in the section above regarding transfer of credit from accredited colleges apply. A student who has been granted an Associate of Applied Arts degree by a technical community college and is recommended by that institution for a vocational teacher education program may receive up to 40 semester hours for the technical competencies acquired. These students may also pursue the Bachelor of Applied Sciences degree for non-education programs. A student completing less than the Associate of Applied Arts degree at a technical community college may be granted credit equivalent to the competency level of the student. The Registrar and the School Dean from the area in which the student is seeking credit will establish the amount of transfer credit and its applicability to the desired degree program at Chadron State College. The accepted credit for technical competencies will be granted after all other degree requirements have been met.

Graduate Student Admissions Checklist

- Complete and submit application online
- Submit **official** college transcript from the institution which issued bachelor's degree
- If you have attended another institution as a graduate student, submit official transcripts from those institutions
- Satisfy any additional requirement specific to master's program
- Submit health form with proof of immunizations records or exemption (N/A online)
- Please refer to the [graduate catalog \(LINK\)](#) for comprehensive graduate information

Former CSC Students Checklist

- Students formerly enrolled at Chadron State College are required to apply for readmission through the Admissions Office, provided they left CSC in good academic standing. Students who have attended CSC at any time and who wish to enroll in classes may register for classes unless they have academic suspensions. Additional information below:
- Students who have attended another college or university since attending CSC are considered transfer students and the requirements listed above for transfer students apply.
- Health Form Requirement: All students entering any Nebraska State College institution must show a physician-validated immunization record for two doses of measles, mumps and rubella. Exemptions are available for qualifying students. Contact the Health Services office in Crites Hall for more information.

Additional Information for Former CSC Students

Students who voluntarily withdrew from CSC are eligible for readmission with the same academic status that they had at the time of withdrawal.

Students suspended or dismissed for any reason may petition the Student Academic Review Committee for reinstatement. Evaluation for readmission usually includes consideration of academic aptitude, evidence of growth and maturity, course work at other institutions, and time elapsed since leaving the institution. The appeal form is available through the Vice President for Enrollment and Student Services' office.

Students seeking a second degree/teaching endorsement Contact the Admissions office.

International Students Checklist

Qualified students from other countries are welcome to apply for admission to Chadron State College. Inquiries concerning international undergraduate student admission should be directed to the International Services Coordinator.

- Complete the International Student Application form. Applicants residing in a foreign country should make application no later than six months prior to the anticipated enrollment date. Students in the United States should allow four months to complete the admission process.
- Transfer students in the United States must submit transfer authorization from the appropriate immigration officials. Complete transcripts from each college attended must be filed with the Registrar's Office.
- Provide evidence of English language competency through one of the following:
 - Official test scores on the Test of English as a Foreign Language (TOEFL). A minimum score of 550 is required for students taking the paper-based test, 213 for those taking the computerized test, and 79/80 for those taking the Internet-based test.
 - Official test scores on the academic module of the International English Language Testing System (IELTS). A minimum score of 6.0 is required.
 - An official letter from a non-U.S. institution of higher education where you attend or previously attended, and from which Chadron State College has a formal cooperative agreement, certifying your proficiency in English.
- Provide evidence of capability to finance a program of study without assistance from Chadron State College, including a one-time matriculation fee.
- Provide written proof of insurance valid for one entire academic year. Minimum coverage for medical and hospital expense insurance is \$50,000 (U.S.). Minimum coverage of \$10,000 for medical evacuation and \$7,500 for repatriation of remains is also required. The insurance deductible may not exceed \$500 (U.S.). Proof of adequate coverage must be in English and submitted to Chadron State College prior to admission each year.
- Health Form Requirement: All students entering any institution of the Nebraska State College System must show a physician-validated immunization record for two doses of measles, rubella, diphtheria, and tetanus. International students are required to present a record of skin testing for tuberculosis within six (6) months prior to first enrollment. Exemptions may be available for qualifying students. Contact the Health Services office in Crites Hall for more information.
- Issuance of the Certificate of Eligibility, Form I-20, will be made only upon completion of all admission requirements and required payments. The applicant assumes full responsibility to make all necessary arrangements through official channels for entrance into the United States.

Early Entry Students

The High School Early Entry Program is extended to eligible high school juniors and seniors contingent upon permission of parents and recommendation from a high school official. To be eligible, a student must meet any one of the following criteria:

- Cumulative high school GPA of at least 3.0 on a 4.0 scale.
- ACT composite score of at least 20 or an equivalent score on another standardized test.
- ACT sub-score of at least 20 in the area(s) related to the course request(s).
- Rank in the upper 1/3 of their high school class.

Early Entry students are limited to a maximum of six credit hours per semester and a total accumulation of 16 credit hours during high school. College credit is granted upon verification of a high school diploma, and Chadron State College accepts these credits into academic programs of study. If the student does not plan to complete their degree at CSC, he/she should check in advance with the institution of choice to verify acceptance of Early Entry credits. Contact the Admissions Office for additional information.

Non-degree Seeking Students

A special classification of Non-Degree Seeking Student is provided for individuals who have no intent of pursuing a degree program, but seek course work for personal reasons. Students classified as a Non-Degree Seeking Student are not eligible for financial aid assistance. Should the individual later wish to pursue a degree, a maximum of 26 semester credit hours may apply toward the first Bachelor's Degree. All regular admission requirements must be met. Contact the Admissions Office for assistance.

Special Merit Admission

Students with special merit may be extended special consideration during the admissions process. Special consideration will be given to non-traditional students who present evidence of being able to succeed, returning adult students, students educated at home schools, students who are members of underrepresented groups, and students who can provide evidence of special talents such as creative art or with unique educational experience or career achievements. Students who wish to be considered for admission based upon special merit should contact the Admissions Office.

Veterans of Military Service Admission

Veterans who are graduates of accredited high schools are admitted to full freshman standing. Those who are not graduates of an accredited high school may take the “General Educational Development Test, High School Level” and, if they meet approved standards, may be admitted to full freshman standing. Special service schools may qualify the veteran for some college credit if such schools meet prescribed standards.

The “Guide to the Evaluation of Educational Experiences in the Armed Services,” prepared by the American Council on Education, will be used in evaluating the veteran’s military service training. The Registrar and appropriate school dean will evaluate each course as to equivalency and determine the semester-hours credit, based on the course offerings at Chadron State College. The veteran is responsible for submitting the exact information for each service training course along with a DD214. Veteran information or assistance may be obtained by contacting the Veteran Affairs Office. At 308-432-6413 or via email at csinpiel@csc.edu.

Financial benefits for education are available to veterans under federal laws administered by the Veterans Administration.

REGISTRATION

Advising Center

Although the student is responsible for meeting all conditions and requirements of Chadron State College, faculty engage in student advising to assist students in the attainment of their academic goals. All freshmen and transfer students are assigned to an advisor by the Dean of their School. Exploratory students are guided through the advising process to career exploration and the selection of a major appropriate to their talents, interests, and personalities by the office of Career and Academic Planning Services. Students are encouraged to declare a major prior to the second year of study, and are required to declare a major prior to their junior year. The offices of Career and Academic Planning Services and Student Transition and Registration Team (START) provide forms for changing advisors or majors.

Class Registration

- Responsibility for planning one’s course of study and for the fulfillment of all requirements and regulations lies with the student. Class schedules and registration forms are available online at MyCSC.
- Students may add or drop courses through their MyCSC Self Service account through the first week of the semester/8-week session or the first two days of summer session.
- Assistance for building/changing course registration is available in Crites Hall, Advising Center or START Office.
- The college general catalog is the authoritative source of information for program and graduation requirements and regulations.
- Faculty advisors are assigned to aid the student in understanding the requirements and in planning his/her academic program. Additional assistance is available at the Advising Center, staffed by faculty and professional staff, located in Crites Hall. Consult your advisor prior to registering for classes to ensure completion of program requirements and other graduation requirements.
- Students are encouraged to register for classes early in the enrollment period to ensure course availability.
- The College reserves the right to cancel courses with low enrollment. The College also reserves the right to modify the published schedule without prior notice.

Changes in Registration and/or Withdrawal

- All changes in registration must be initiated by the student, either via MyCSC Self Service account or written statement (CSC EagleMail is acceptable) to START Office located in Crites Hall or START@csc.edu.
- Students are allowed to make their own changes (adding/dropping) to course schedule without academic penalty through the first week of the semester/8-week session or the first two days of summer session through MyCSC Self Service account.
- Students withdrawing from classes following the first week of the semester/8-week session or first two days of the summer session *must* submit a written request (CSC EagleMail is acceptable) to START Office located in Crites Hall or START@csc.edu.
- Withdrawing from classes following the first week of the semester/8-week session or first days of the summer session, will receive a grade of “W” and is not computed into the grade point average.
- Students are allowed to withdraw from classes receiving a grade of “W” through the eleventh week of the semester. After the eleventh week, a grade other than “W” will be recorded as reported by the faculty.

Student’s Semester Class Load

- Students who expect to graduate in four years should take 16 credit hours per semester.
- Twelve credit hours is the minimum required for full-time status as defined by federal aid programs.
- The maximum load for any single four-week summer session is seven hours.
- Students wishing to carry more than 18 semester hours during a semester must petition for an **overload**. Contact the Registrar’s Office prior to registration. In general, overloads may be approved if:
 - the student’s cumulative grade point average is 2.75 or above, or in the case of a first semester freshman, the high school record shows an average of B or above.
 - the student is a candidate for graduation and can complete final requirements only by carrying an overload.

Classification Of Students

- 1 – 29 completed credits – Freshman
- 30 – 59 completed credits – Sophomore
- 60 – 89 completed credits – Junior
- 90 or more completed credits – Senior

Course Numbers

The FIRST DIGIT of a course number indicates the class level at which the student would ordinarily register for the course, but students may enroll in lower level courses as well as one level above their class ranking as follows:

- Freshmen enroll in courses numbered 100 through 299.
- Sophomores enroll in courses numbered 200 through 399, or lower.
- Juniors enroll in courses numbered 300 through 499, or lower.
- Seniors enroll in courses numbered 400 through 499, or lower. Courses numbered 500 through 599 are open to qualified seniors who have completed a baccalaureate degree or are within 16 semester hours of baccalaureate graduation. Undergraduate students wishing to register for graduate courses must submit a written petition to the Dean of Graduate Studies.
- Graduate students enroll in courses numbered 500 through 799. Courses in the 600 series are open only to graduate students. Courses numbered 700 through 799 are for students who have completed the Master’s degree.

Section Numbers

On-line courses meet as regular classes except in a virtual setting and follow the calendar established by Chadron State College. They are not independent study courses.

Section 01 courses are on-campus, but may be sent to distance sites by ITV.

Section 40 courses are offered by ITV to Scottsbluff.

Section 65 courses are offered by ITV to North Platte.

Section 79 courses are delivered via the internet: no classroom attendance required.

Section 84 courses are offered by ITV to Sheridan, Wyo.

Section 89 courses are designed to accommodate both on-campus and distance learners. Campus based learners have online access to all course materials, but are required to attend regularly scheduled face-to-face classroom instruction. Distance learners access all course materials online-no classroom attendance requirement.

Section 99 courses require periodic traditional face-to-face classroom or ITV attendance with additional instruction offered online. Students are expected to participate in both modes.

Late Registration

No students may register for a current semester after classes have been in session for five days without permission from the appropriate academic School Dean. After the tenth day of the semester, approval of the Vice President for Academic Affairs is required.

Audit Registration

- Any student may elect to audit a class, instead of having a grade recorded. An audited class does not count toward any graduation requirement and is recorded as an “AU” on the academic transcript. Current tuition and fees are charged for audited courses.
- Students may change from credit to audit until the seventh week of the semester, or before the midterm of non-semester offerings.
- Changing a course from audit to credit is not allowed following the first two weeks of courses in a semester, or the first day of summer classes.
- Persons 65 years of age and older may audit one course per semester on a space-available basis. They may apply for a waiver of tuition for that course. Fees will not be waived. Self-paced study (correspondence), private lessons, and courses with no available space are not eligible for this program. Waiver forms are available from the Assistant Vice President for Student Services and Enrollment Management in Crites Hall.

COSTS AND FINANCIAL AID

Costs

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. The current tuition and fees schedule may be obtained from the Business Office in Crites Hall or at csc.edu/businessoffice. On-campus housing rates are also available from the Business Office or its website.

Financial Aid

- Financial aid is available for those seeking a degree or teaching certificate from Chadron State College. Students do not need to be enrolled full time to be eligible for financial aid.
- Financial aid programs consist of **Federal and State grants, Federal Work Study, and Federal Student and Parent Loans.**
- Students seeking financial aid must complete the admissions requirements for the degree program and the Free Application for Federal Student Aid (FAFSA) to qualify for consideration of financial aid. Applications are available through the Chadron State College Financial Aid Office or on-line at www.fafsa.ed.gov. For information about the financial aid programs that are available, rights and responsibilities as a financial aid recipient, and other pertinent information, contact the Chadron State College Financial Aid Office or visit the web site www.csc.edu/finaid.
- **Scholarships** - Chadron State College offers a variety of scholarships based on area of study, extracurricular activities, and academic criteria, which includes class rank, cumulative grade point average, and composite ACT score. Scholarship brochures and applications are available on-line at www.csc.edu, from the Admissions and Financial Aid Offices, or from an individual’s high school counselor. The application deadline for most freshman scholarships is January 15th. The deadline for continuing students at CSC or transfer students is March 1st.

Non-resident Tuition

The statutes of Nebraska require all state educational institutions to charge non-resident tuition for each non-resident student attending college in Nebraska. Additional written documents, affidavits, verification, or other evidence may be required to establish the residency status of any applicant. The burden of establishing exemption from non-resident tuition is the responsibility of the student. Erroneous classification as a legal Nebraska resident or willful evasion of non-resident

tuition may result in disciplinary action which may include dismissal as well as payment of required tuition for each semester attended.

A student classified as a non-resident retains this status until he/she is officially approved for reclassification as a resident by completing the Application to Establish [Nebraska] Residency form, which is available in the Admissions Office. A student classified as a resident but who becomes a non-resident as provided by the statutes must promptly notify the Admissions Office of such change. Residency status may be challenged when circumstances indicate a change of legal residence. Any sanctioned change of classification from non-resident to resident will not be made retroactive beyond the period for which the change is approved.

* Non-resident tuition rates do not apply to online courses.

EXPECTATIONS AND CODE OF CONDUCT

Grades

The following grades are currently used at Chadron State College:

| | | |
|----|---|---|
| A | — | Superior performance |
| B | — | Excellent performance |
| C | — | Average performance |
| D | — | Below average performance |
| F | — | Failure to meet minimum requirements, or student failed to officially withdraw from course. |
| I | — | Indicates some portion of the student's work is unfinished due to a justifiable reason and is issued at the discretion of the faculty and academic School Dean. A grade for the term is recorded when the work is completed. If the work is not completed within twelve months, the instructor must submit a grade change to reflect a grade other than an "I". |
| IP | — | In Progress indicates a course continuing into the next term. Grades are recorded at the end of the course. |
| P | — | Passing performance; requires previous registration as Pass/Fail. |
| W | — | Indicates official withdrawal from a course with a passing grade; requires form filed by deadline. |
| AU | — | Indicates non-graded, audit participation in a course; requires previous registration for an Audit |

Grade Point Average

Chadron State College assigns quality points to letter grades as follows:

| | | | | | |
|--------|--------------|--------------|--------------|--------------|-------|
| | A = 4 points | B = 3 points | C = 2 points | D = 1 points | F = 0 |
| points | | | | | |

To determine grade point average, the total number of quality points earned for each attempted credit hour is divided by the total credit hours attempted (including semester hours passed and failed). The grade point average is computed only for courses taken at Chadron State College for non-teaching majors, but utilizes all courses from all institutions attended for teaching majors (Bachelor of Science in Education degree). Contact the Registrar's office for more information.

Academic Honors

Deans' and President's List

During the fall and spring semesters, the Deans' List (3.5-3.99 GPA) and President's List (4.0 GPA) are established to honor undergraduate students for their academic achievements. Students completing at least 12 credit hours with no incomplete grades during that semester are eligible to receive a Certificate of Recognition. The Vice President for Academic Affairs Office presents the certificate to the student.

Graduation Honors

Students pursuing their first baccalaureate degree may be eligible to graduate with honors from Chadron State College. Honor designations are calculated at the end of the semester prior to the semester in which graduation occurs. The student must have completed at least forty-five CSC semester hours at the end of this prior semester, with a cumulative grade point average as follows:

3.90 - 4.00 summa cum laude

3.75 - 3.89 magna cum laude

3.60 - 3.74 cum laude

Academic Amnesty

Academic Amnesty permits students to eliminate one semester's grades from their cumulative grade point average. The courses and grades will appear on the transcript with a notation that the student was given amnesty and these courses are not part of the cumulative grade point average. All courses taken during the semester will be subject to amnesty, including self-paced study (correspondence) and those courses which were successfully completed.

Only returning students can apply for academic amnesty. Application must be made following the posting of grades for which amnesty is sought, but no later than ninety (90) calendar days of the subsequent Fall or Spring semester of enrollment. Since amnesty may affect financial aid awards, students receiving financial aid should contact the Office of Financial Aid prior to applying for amnesty. Further information is available from the Registrar's Office.

Academic Probation and Suspension

Probation

Probation is a warning to the student that his/her grades are below the academic standards of Chadron State College. A student will be placed on probation if:

- his/her CSC cumulative grade point average is below 2.00, or
- as a first-year student, he/she earns less than a 1.00 in his/her initial semester at Chadron State College.

The first year student will be allowed to continue for one additional semester on probation.

The student's failure to bring his/her cumulative grade point average to a successful level will result in academic suspension from Chadron State College. Students on probation may be required to participate in activities designed to facilitate academic success.

Suspension

Academic suspension results in a student being denied enrollment in academic programs at Chadron State College, except in summer terms and in self-paced (correspondence) courses. A student will be suspended under the following conditions:

- A student who is not a first-time, first-semester student and who earned less than a 1.00 cumulative grade point average will be academically suspended.
- A student who has been placed on probation will be academically suspended from the College if his/her semester grade point average (GPA) falls below 2.50 and his/her cumulative GPA falls below the following scale:
 - After attempting 1-29 CSC semester hours.....1.25
 - After attempting 30-44 CSC semester hours.....1.50
 - After attempting 45-59 CSC semester hours.....1.76
 - After attempting 60+ CSC semester hours.....2.00

The first academic suspension from Chadron State College is for one semester. The second (and subsequent) suspension from Chadron State College is for three years.

Appeals

A student may appeal an academic suspension or probation if he/she believes that an error occurred or if extenuating circumstances affected the scholastic performance and would warrant retention in or admission to college. The appeal is initiated with written petition on a form available from the office of the Vice President for Enrollment Management and Student Services. Faculty members within the Student Academic Review Committee will consider the appeal. If re-entry is allowed, the Committee may require specific conditions and participation in activities designed to facilitate academic success.

A second suspension cannot be appealed.

STUDENT CONDUCT

Academic Honesty

Students are encouraged and expected, with the assistance of the faculty, to conduct themselves in conformity with the highest standards with regard to academic honesty. Violation of college, state, or federal standards with regard to plagiarism, cheating, or falsification of official records will not be tolerated. Students violating such standards will be advised and disciplined. Violations of these standards may result in course failure, suspension, or dismissal from the college. Students are encouraged to seek the advice of instructors as to the proper procedures to avoid such violations.

The following acts are examples of academic dishonesty:

1. Cheating – intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise.
2. Fabrication – intentional and unauthorized falsification or invention of any information or citation in an academic exercise.
3. Facilitating Academic Dishonesty – intentionally or knowingly helping or attempting to help another in an act of academic dishonesty.
4. Plagiarism – appropriating or imitating language, ideas, and thoughts of another author, representing them as one's own original work.

The following acts are examples of plagiarism:

1. Submitting an assignment that someone else has written and claiming the work as one's own.
2. Submitting an assignment that contains sections, paragraphs, sentences or key phrases that someone else has written without appropriately documenting the source(s) for each portion of the assignment not written by the student submitting the assignment.
3. Submitting an assignment that contains paraphrased ideas from another source, published or unpublished, without appropriately documenting the source for each paraphrase. (Changing around a few words in a sentence from the source is not sufficient to avoid plagiarism.)

“Someone else” in the three statements above may refer to a published author, another student, an internet source, or any person other than the student claiming credit for the assignment. If an individual is unsure in how to document sources used within an assignment, they are encouraged to ask their professor or the reference librarian for assistance.

Civility

Civil behavior enhances the academic setting, and is expected at all times. Courtesy and respect for others are essential elements of the academic culture. The academic environment welcomes a difference of opinion, discourse, and debate within a civil environment.

Class Attendance

Faculty provide added value to individual study, facilitating understanding, interpretation, and application of information available to students through assigned readings, external learning opportunities, and in-class presentation. Attendance during regularly-scheduled class presentations facilitates academic success, and students are expected to be present during scheduled class periods. Students who are absent from class should consult their professors, as any absence jeopardizes the student's understanding of the course material. Faculty members are encouraged to assist students with make-up work if the absence was for college-related activities or approved by the faculty member as an unavoidable absence. Responsibility for arranging make-up study rests with the student.

Lists of students anticipating absence for college-related activities will be distributed to faculty. These students will be excused from their classes but not from the work required in those classes.

ACADEMIC POLICIES

Student Right To Know

Student Right To Know information is available at www.csc.edu/righttoknow/. This site contains consumer information, graduation rates, campus crime statistics and other consumer related information. Information on the Student Right to Know is also available upon request from the Chadron State College Financial Aid Office, 1000 Main Street, Chadron, NE 69337. Information pertaining to campus crime statistics and Family Educational Rights and Privacy Act (FERPA) is available upon request from the Vice President of Enrollment Management and Student Services.

Family Educational Rights and Privacy Act

Students have the right to inspect and review official records as provided in the Family Education Rights and Privacy Act (FERPA) of 1974 (Public Law 93-380) as amended by Public Law 93-568. A copy of this law is on file in the office of the Vice President of Enrollment Management and Student Services. The Family Education Rights and Privacy Act allows the College to release designated directory information without prior consent of a student unless he/she has notified the College not to release this information without consent. Any student wishing to have directory information withheld from reporting must notify the Vice President for Enrollment Management and Student Services using a written notarized form available from that office.

Directory information at CSC includes: (a) name, address, telephone listing, and electronic mail address, (b) date and place of birth, (c) year in college and major field of study, (d) participation in officially recognized college activities and sports, (e) weight and height of members of athletic teams, (f) degrees and awards received, (g) most recent previous educational agency or institution attended, (h) photographs, and (i) enrollment status. Additional information regarding FERPA may be found in the CSC Student Handbook.

STUDENT SERVICES

Advising

Academic Advising – The Advising Center in Crites Hall assists students with questions about graduation requirements, as well as advice concerning academic programs and the planning of class schedules. Located in Crites Hall, the Advising Center is staffed by college faculty and trained professionals in Career and Academic Planning Services. In addition each student at CSC is assigned a personal academic advisor who is a professor at the college. As students change their majors, they may also change academic advisors by completing a Change of Advisor form in the Advising Center in Crites Hall. The Advising Center's website provides answers to questions about selecting a major, registering for classes, and finding a career. The First Year Seminar, an elective for freshmen and transfer students, helps students adjust to the demands of college.

Career and Major Exploration - Career Counseling is available to assist students in exploring career options and developing effective job search skills. The Center provides assistance to students in making career-related decisions through the assessment of skills, interests, beliefs, values, and personality characteristics. The Career Resource Library contains information and resources on numerous businesses, careers, job vacancies, college catalogs, and job search strategies. It is located in Crites Hall in Career and Academic Planning Services.

Career Services – Located in Crites Hall the Internship and Career Services office assists students in the job application process by providing access to job vacancy bulletins and computerized job searching. Career services are available for employment following graduation or for part-time or temporary employment during the school year. Assistance with finding internship opportunities is also available. Services include resume and credential file preparation, interview practice, and business etiquette, coordination of on-campus interviews with company representatives, and the ability to register with the resume referral file, or for education students, to be on the active registrant list, both of which can be made available to employers upon their request.

Health Services

Nurse - Located in Crites Hall, Health Services is staffed by a Registered Nurse who treats minor illnesses and injuries, dispenses non-prescription medication, and offers wellness and lifestyle counseling. If prescription drugs or further treatment are needed, the nurse will make appointments for students at a local medical clinic. The student has full responsibility to notify his or her instructor prior to absence from class due to illness. For absence due to extended illness or hospitalization exceeding three class days, the College Nurse will notify instructors if requested to do so by the student. Such notification does not necessarily mean the absence is excused by the instructor. The student must contact his/her instructors upon return to school, and retains the responsibility to fulfill all course requirements.

Personal Counseling - A certified counselor offers confidential, personal counseling to all students. This short-term counseling is available for students who are making difficult choices, going through periods of transition, seeking to change behaviors and/or improving their decision-making skills. Contact Career and Academic Planning Services in Crites Hall for more information.

Disability Services - Services for students with disabilities include counseling, tutoring and assistance in discussing their academic needs with professors, as well as providing additional resources, referral services and/or special accommodations as appropriate. Students who are in need of special accommodations should visit the Career and Academic Planning Services office in Crites Hall. A student-initiated conference with the Disability Services Contact Person can be arranged. Documentation of the disability(ies) by a qualified professional must be on file in the Disability Service Contact Person's office in order to evaluate requests.

Housing

Housing and Dining Service - The Housing Office assigns and supervises all on-campus housing, which includes six residence halls and numerous one-, two, and three-bedroom apartments. A variety of housing options are available so that accommodations may be selected on the basis of need, interest, and cost. All first-year students are required to live on campus and participate in the meal program except for those who are: (1) married, (2) a single parent, (3) living with parents, or (4) over 21 years of age. These students must fill out an Off-Campus Application Form, available at the Housing or Admissions Offices. The application must be returned to the Housing Office for approval prior to the start of the semester. Students residing in the residence halls are required to participate in the food service program. Meals are served Monday through Sunday in the Student Center cafeteria or the Eagle Grille. Students living in CSC Apartment Housing are eligible to purchase a meal plan. Payment options for room and board may be arranged through the Business Office. Specific policies pertaining to Chadron State College residence halls and CSC apartments are included in the CSC Student Handbook. The Student Handbook, along with additional information and applications, may be obtained by contacting the Housing Office or visiting the CSC website.

Residence Life - The Residence Life Program staff offers the resident student a variety of educational, social, and recreational programs that encourage responsible decision-making and healthy lifestyles. Programs designed to enhance academic success, personal wellness, recreational opportunities, social functions, and community involvement are emphasized.

Campus Activities - The Student Campus Activities Board provides funding for a wide array of organized activities that allow students to form friendships and participate in co-curricular experiences that complement and support academic success. There are more than sixty campus clubs and organizations that include academic departmental and interest clubs, honorary societies, intercollegiate and intramural sports, music and publication groups, and religious organizations. See the CSC Student Handbook for more detailed information on these activities and other aspects of college life.

Information Technology - The Information Technology department provides a wide range of services for students, faculty and staff. Broadband Internet connectivity is available campus-wide, including all rooms in the residence halls. Wireless environments are currently available in the Student Center and the Reta E. King Library. Twenty-five computer labs are maintained around the campus for general use by students, specialized instruction, or in support of student services. Consult the Information Technology website for more information about these services.

Multicultural Services - Multicultural Services assists all Chadron State College students to live effectively in today's global community. Program activities provide opportunities for diverse groups to build understanding and respect through communication and shared experiences. For more information contact the Multicultural Services Coordinator at 308-432-6224.

Learning Center

Tutoring - Chadron State College's nationally certified Peer Tutor program provides walk-in, individual, and small group tutoring sessions. Other services include supplemental instruction for groups of students enrolled in challenging courses, and a Writing and Speaking Center that assists students with writing and presentation skills and assignments. Tutors are specially trained upperclass students who excel in the areas in which they tutor and have previously taken the classes in those areas. Peer tutoring services are available for daytime tutoring, nighttime study, supplemental instruction, and online sessions for residential and distance learners. Tutoring services are free to all students, and are available in the Gold Room.

Project Strive TRiO - The Student Support Services (SSS)- STRIVE program is an academic enrichment program designed to assist students during their college career. The objectives of the SSS-STRIVE program are to promote and increase participants' academic success, assist with progress towards college graduation, and provide information regarding the pursuit of advanced degrees. SSS-STRIVE also provides cultural and social enrichment opportunities, leadership training, and opportunities for career exploration. Contact the SSS office in the Gold Room for more information and eligibility requirements.

GRADUATION REQUIREMENTS

Graduation Checklist

Questions regarding any of the following requirements should be directed to the Registrar's office in Crites Hall. Graduation forms are available online or at the Registrar's office and need to be completed a semester prior to graduation.

- A minimum of 125 semester credit hours must be earned, of which 45 credit hours must be in 300 or 400 (junior or senior) level courses, to meet the requirements for all baccalaureate degrees. Beginning in the Fall 2012 this requirement will change to 120 credits for all new students.
- COLG 191 – Information Literacy is a required course for all students commencing Fall 2011 for all new freshmen and transfer students.
- A 2.5 grade point average, from all institutions attended, must be attained for the Bachelor of Science in Education programs for teacher candidates. A grade point average of 2.0 in CSC coursework must be attained for all other Baccalaureate degrees.
- For the Bachelor of Arts or Bachelor of Science degree, students must complete either (1) a comprehensive major of 48 to 57 credits, or (2) a subject major of 30 to 36 credits and a minor of 18 to 21 credits. Students not meeting these requirements may petition to graduate with an Interdisciplinary major. Contact Extended Campus Programs in Crites Hall for more information on the interdisciplinary major.
- Teacher candidates who are seeking the Bachelor of Science in Education must complete one field or subject endorsement for 7 – 12th grade secondary certificates or a minor for the elementary certificate, along with the requirements for the professional year which includes a teacher internship. Contact the CSC Department of Education for more information.
- Students, who do not transfer in an Associate of Arts degree, must complete all 47 credits (42 credits commencing in the Fall 2012 for all new students) of General Studies courses as listed in the following section of the bulletin. Transfer guides, listed on the college's website, indicate courses from other institutions that may satisfy individual General Studies course requirements. Depending on the program of study, General Studies requirements may vary. Consult the Registrar's office or an academic advisor for more information.
- If the student's program of study qualifies them for two majors in two different degrees (e.g. a Bachelor of Arts in Business Administration and a Bachelor of Science in Range Management), the student must select the degree (Bachelor of Arts or Bachelor of Science) to be conferred. Both majors will be recorded on the transcript.
- No more than 66 credit hours may be transferred or applied towards a Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Education degree from accredited two-year institutions. No more than 70 hours may be transferred or applied towards a Bachelor of Applied Science degree from two-year institutions. Unlimited numbers of credit hours may be transferred from accredited four-year institutions.
- A minimum completion of at least 30 semester hours of credit from Chadron State College is required for a degree that includes substantial transfer credit.
- Twenty-four of the last thirty semester hours of credit must be from Chadron State College. No more than 12 of the last 30 hours may be self-paced study (correspondence) courses.
- Candidates who plan to complete requirements for graduation in December must file formal application with the Registrar by April 15. Those who plan to graduate in May must file by November 15. Forms require a series of signatures by academic advisors, the academic dean and the Business Office. The forms are available online or at the Registrar's office.
- As part of the graduation process, exit assessments for all academic programs and General Studies are required of all students. Dates and times of these assessments will be scheduled and taken throughout the candidate's final year at Chadron State College.
- Candidates must have completed or be enrolled in all courses required for the degree prior to application for graduation. Any coursework required for the degree that is incomplete or in progress from a previous term must be completed and graded thirty (30) days prior to commencement. All self-paced study (correspondence) coursework must be completed and graded thirty (30) days prior to commencement for the student to be eligible to graduate at that commencement.
- Students may not graduate under the provisions of a General Bulletin issued more than five years prior to the end of the semester in which they expect to complete their work, unless they have been in military service or have earned college credit in residence at Chadron during each calendar year since beginning the program of study. Students are required to use a General Bulletin of the year they enrolled or a subsequent General Bulletin.

- Candidates for degrees are required to take part in the formal exercises of commencement unless prior notification is given to the Registrar. Candidates for degrees are required to wear the academic cap and gown at the commencement exercise. All commencement regalia are ordered through the Eagle Pride Bookstore several months prior to graduation.

SECOND BACCALAUREATE DEGREE

A second baccalaureate degree may be earned by completing at least 30 credit hours beyond the first degree, fifteen of which must be at the 300-400 level, and satisfying the current requirements for the second degree at Chadron State College. These requirements include those for a comprehensive major, or subject major and minor. General Studies courses do not need to be repeated. A student may not earn more than one degree simultaneously at Chadron State College. Students pursuing a second baccalaureate degree are not eligible for graduation academic honors.

PETITION FOR WAIVER OR EXCEPTION OF COLLEGE ACADEMIC REGULATIONS

Any request for waiver or exception to the undergraduate academic policies and regulations stated in the Chadron State College General Bulletin must be submitted as a written petition to the office of the Vice President for Academic Affairs. Consideration will be given to the petition by the Council of Academic Deans or the appropriate faculty recommendation committee. A written response will be returned to the petitioning student.

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 general studies requirements for this degree are listed with the degree program. Additional information can be obtained from the Dean of Curriculum, Dr. Joel Hyer, or see Technical Occupations under Programs of Study.

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 General Studies program, graduation literacy 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 125 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 General 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 School Dean.

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 Registrar's Office.

GENERAL STUDIES FOR BACHELOR OF ARTS, BACHELOR OF SCIENCE, AND BACHELOR OF SCIENCE IN EDUCATION

(Bachelor of Applied Science general studies requirements are listed with Technical Occupations major.)

Philosophy of General Studies

The principal educational goal of Chadron State College is students' intellectual development, which is best achieved through offering high quality educational opportunities. The College endorses a plan of study that promotes depth and proficiency in a single subject area as well as a breadth of knowledge crossing many academic disciplines. The General Studies Program is designed to encourage broader intellectual development by offering a variety of stimulating courses taught by instructors with expertise in their fields. This structured inquiry into the wider world of knowledge provides each student with avenues for self-discovery. The General Studies Program aims to produce constructively critical, intellectually curious graduates who are informed on global and social issues and who recognize the importance of their individual contributions towards creating a better world.

Candidates for a baccalaureate degree must complete the following General Studies program in addition to either a comprehensive major (48-57 hours) or field endorsement, or a subject major (30-36 hours) and minor (18-21 hours). Transfer students who possess an Associate of Arts degree need only complete six (6) upper division hours, three each in the categories of Global and Social Awareness, and Reason and Values. Students with an Associate of Science or an Associate of Occupational Studies degree should consult a CSC academic advisor for additional courses in general studies that may be required.

NOTE: Up to (9) hours of general studies 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 General Studies Program requirements. Some degree programs specify general studies courses; check the program requirements for the major you are seeking.

General Studies Program

Communication - 3 Hours, selected from:

| | | | | | |
|-----|-----|-----------------------------------|-----|-----|---|
| B A | 331 | Business Communications, 3 hrs. | C A | 225 | Comm in Groups & Teams, 3 hrs. |
| C A | 125 | Fundamentals of Oral Comm, 3 hrs. | C A | 230 | Conflict Resolution and Mediation, 3 hrs. |
| CA | 130 | Interpersonal Comm, 3 hrs. | C A | 233 | Presentation Speaking, 3 hrs. |

Student Learning Outcome for Communication: Students will communicate effectively and responsibly through speaking and listening.

Performance Criteria for Communication:

All students will meet the following performance criteria:

- Demonstrate understanding of the ethical aspects of listening;
- Demonstrate ability to engage in the six-step process of listening, receiving, understanding, remembering, evaluating, and responding.

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

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

Composition - 6 Hours:

| | | | | | |
|-----|-----|-----------------------|-----|-----|------------------------|
| ENG | 135 | Composition I, 3 hrs. | ENG | 136 | Composition II, 3 hrs. |
|-----|-----|-----------------------|-----|-----|------------------------|

Students who score 27 and above on the ACT verbal exam may fulfill their Composition requirement by taking only ENG 136.

Transitional writing courses are required for students scoring below 19 on the ACT verbal exam. In addition, students who score below 19 on the ACT reading exam must take developmental reading courses before admission to ENG 135. Students may also satisfy these prerequisites with a passing score on an equivalent writing or reading test approved by the College. Consult the Advising Center in Crites Hall or the English Department for more information.

Student Learning Outcome for Composition: Students will discover, express, and advocate ideas clearly and effectively in Standard Edited English.

Performance Criteria for Composition:

Students should be able to:

- Compose essays that demonstrate proficiency in developing and organizing ideas using language effectively and writing in Standard Edited English;
- Find, evaluate and use sources appropriately;
- Demonstrate continued use and development of effective writing strategies in upper division courses.

Fine Arts - 3 Hours, selected from:

| | | |
|-----|-----|-------------------------|
| ART | 239 | Elements of Art, 3 hrs. |
|-----|-----|-------------------------|

*ENG 233 Elements of Literature, 3 hrs.
 MUS 235 Elements of Music, 3 hrs.
 TH 235 Elements of Theatre, 3 hrs.

*Students who score below 19 on the ACT reading exam must take developmental reading before admission to ENG 233.

Student Learning Outcome for Fine Arts: Students will experience the fine arts and develop critical understanding and appreciation of those arts.

Performance Criteria for Fine Arts:

Students should be able to:

- Identify the major terms and concepts of art, literature, music, or theatre;
- Critically analyze and evaluate artistic texts, works and/or performances using the terms, concepts and features of the discipline.

Global and Social Awareness - 6 Hours (3 hours MUST be upper division), selected from:

AGRI 431 International Food Policy, 3 hrs.
 ANTH 231 Intro to Cultural Anthropology, 3 hrs.
 BIOL 448/448L Ethnob. of the N. Plains & Lab, 4 hrs.
 C A 346 Intercultural Communication, 3 hrs.
 C A 442 Globalization, Culture and Media, 3 hrs.
 C J 446 Cross Cultural Studies/Justice Stu., 3 hr.
 DTE 331 Humankind, Society and Tech., 3 hrs.
 ECON 130 Survey of Economics, 3 hrs.
 ECON 332 International Econ & Societies, 3 hrs.
 ENG 346 Literature of the Bible, 3 hrs.
 ENG 436 World Literature, 3 hrs.
 FCS 320 Aging and Death, 3 hrs.
 FCS 335 Families in Society, 3 hrs.
 FCS 436 Global Food Systems, 3 hrs.
 GEOS 137 Environmental Geology, 3 hrs.
 HUM 335 Comparative Religion, 3 hrs.
 HUM 432 World Mythology, 3 hrs.
 L S 323 Law and the American Society, 3 hrs.
 MUS 330 African-American Popular Music, 3 hrs.
 P S 332 International Politics, 3 hrs.
 PHIL 235 Classical Chinese Philosophy, 3 hrs.
 PHYS 435 World Environmental Issues, 3 hrs.
 PSYC 421 Culture and Psychology, 3 hrs.
 SOC 230 Society: Global Comparison, 3 hrs.
 SW 371 International Social Welfare, 3 hrs.
 WLANG 100 Conversational Spanish, 3 hrs.

International, multicultural, and other special program which instill global and social awareness may be petitioned to Academic Review to meet the Global and Social Awareness requirements. Written petitions should be submitted to the Vice President for Academic Affairs.

Student Learning Outcome for Global and Social Awareness: Students will understand and be sensitive to cultural diversity and attain knowledge of an appreciation for various cultures and societies.

Performance Criteria for Global and Social Awareness: Depending on the course selected, students will meet one of the following performance criteria.

Students should be able to:

- Demonstrate understanding of the values and lifestyles of various cultures;
- Demonstrate understanding of the contributions of various cultures to the human enterprise;
- Demonstrate understanding and knowledge of human behavior in different spatial or temporal or institutional contexts.

Government - 3 Hours, selected from:

- P S 231 American National Government, 3 hrs.
 P S 341 Comparative Politics, 3 hrs.

Student Learning Outcomes for Government: (1) Students will develop a critical knowledge of political ideas central to governance, political institutions, and political processes. (2) Students will develop familiarity with contemporary political leaders, events, and trends. (3) Students will demonstrate an ability to effectively communicate political information and ideas in writing.

Performance Criteria for Government:

Students should be able to:

- 1a. Demonstrate understanding of major concepts central to governance, such as Madisonian democracy, pluralism, federalism, civil liberties, civil rights, public opinion, political process, institutions, and judicial review;
- 1b. Identify the causes and consequences of major periods of political development in American and world politics, focusing on varying types of governing systems and philosophies;
- 1c. Describe the development, purpose, and function of the primary institutions of democratic governance.
- 2a. Identify major political actors by their interests and programmatic agenda;
- 2b. Describe major political trends in the United States and/or other countries;
- 3a. Articulate in writing a political position that expresses ideas in a systematic and coherent fashion such that (a) the position taken is clearly articulated in the first paragraph, and that (b) each subsequent paragraph develops supporting arguments;
- 3b. Use appropriate word choice, clearly constructed sentences and paragraphs and standard spellings, grammar, and punctuation.

Health/Wellness - 3 Hours, selected from:

- FCS 247 Nutrition, 3 hrs.
 HPER 233 Health/Wellness, 3 hrs.
 FCS 417 Lifespan Wellness, 3 hrs.

Student Learning Outcome for Health/Wellness: Students will gain an understanding of the dimensions of wellness and the impact of healthy practices, including nutrition, on their personal lives.

Performance Criteria for Health/Wellness:

Students should be able to:

Health/Wellness

- Define and apply the physical and emotional dimensions of health into their own lives.
- Define and apply the social and environmental dimensions of health into their own lives.
- Define and apply the spiritual and intellectual dimensions of health into their own lives.

Nutrition

- Name and describe six types of nutrients;
- Describe the Food Guide Pyramid and the number of servings for each food group in the pyramid;
- Describe the different types of dietary fats and explain their effects on the human body.

History - 6 Hours, selected from:

- | | |
|--|--|
| HIST 231 U.S. History to 1877, 3 hrs. | HIST 233 Western Civilization I, 3 hrs. |
| HIST 232 U.S. History since 1877, 3 hrs. | HIST 234 Western Civilization II, 3 hrs. |

Student Learning Outcomes for History: (1) Students will acquire an informed, critical, and articulate understanding of historical events, recognize the diversity of the human experience within the Western World, and develop an awareness of the role of tradition, people, and past events in shaping the present. (2) Students will write effectively and evaluate the written expression of others.

Performance Criteria for History:

Students should be able to:

- 1a. Identify and relate the causes and consequences of the major turning points in either the History of Western Civilization or United States History, including but not limited to the Rise and Fall of Rome, the Scientific Revolution, the Industrial Revolution, the Great Depression, World Wars I and II, and the Cold War;
- 1b. Define the major political, economic, and social trends for the course(s) of study;
- 1c. Describe the interactions of various people with one another, including the short- and long-term consequences of those encounters; and
- 1d. Trace the migration patterns of people across the globe and assess the effects of such movement;
- 2a. Write logically and persuasively;
- 2b. Use proper grammar and punctuation;
- 2c. Read critically the writing of others;
- 2d. View writing as a process requiring planning, drafting, and revising; and
- 2e. Use standard English.

***Humanities - 3 Hours, selected from:**

HUM 231 Humanistic Perspectives, 3 hrs.

HUM 234 The Humanistic Tradition III, 3 hrs.

HUM 232 The Humanistic Tradition I, 3 hrs.

HUM 235 The Humanistic Tradition IV, 3 hrs.

HUM 233 The Humanistic Tradition II, 3 hrs.

PHIL 231 Introduction to Philosophy, 3 hrs

*Students who score below 19 on the ACT reading exam must take developmental reading before admission to these Humanities courses.

Student Learning Outcome for Humanities: Students will understand and appreciate the human experience through the distinctive characteristics of the humanistic perspective.

Performance Criteria for Humanities:

Students should be able to:

- Demonstrate familiarity with major works (oral, written, and visual) and key figures in the humanities;
- Recognize and analyze significant traditions or important themes that are reflected in or contained in these works;
- Demonstrate the ability to write and think critically about ideas and debates in the Western intellectual tradition and relate these to their historical and cultural contexts.

Mathematics - 3 Hours

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 | *ACFS-007M Basic Math |
| 16-18 | *MATH 016 Introductory or Intermediate Algebra |
| 16-18 | *MATH 100 Pre-college Algebra |
| >18 | MATH 142 College Algebra or value added |

*Developmental course: Does not meet General Studies requirement.

High School Background**Placement for Mathematic Courses**

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. |

Student Learning Outcome for Mathematics: Students will develop quantitative and logical reasoning abilities needed in all disciplines, the workplace, and for informed citizenship.

Performance Criteria for Mathematics:

Students should be able to:

- Communicate quantitative ideas using mathematical terminology;
- Demonstrate skill manipulating mathematical expressions;
- Organize, analyze, and interpret, model and solve problems mathematically.

Physical Activities - 2 Hours, selected from:

HPER 100, 101, 102, 103, 104, 110, 111, 112, 117, 118, 119, 202, 203, 205, 206, 210, 212, 213, 214, 215, 216, 217, 218, 219

Student Learning Outcome for Physical Activities: Students will be introduced to and gain knowledge in physical activities enhancing the opportunities for lifelong participation.

Performance Criteria for Physical Activities:

Students should be able to:

Physical Education

- Participate regularly in physical activity;
- Demonstrate the knowledge and understanding of rules and regulations of recreational and/or sport activities;
- Acquire and demonstrate the skills necessary to participate in physical activity.

Reason and Values - 3 Hours, selected from:

| | | | |
|----------|-----------------------------|----------|------------------------------|
| B A 431 | Professional Ethics, 3 hrs. | PHIL 433 | Biomedical Ethics, 3 hrs. |
| PHIL 333 | Logic, 3 hrs. | PHIL 435 | Environmental Ethics, 3 hrs. |
| PHIL 432 | Ethics, 3 hrs. | | |

Student Learning Outcome for Reason and Values: Students will develop skills in critical thinking and argumentation.

Performance Criteria for Reason and Values (Each course will address at least one of the performance criteria):

Students should be able to:

- Identify and understand the structure of various arguments;
- Evaluate arguments, taking different perspectives into account;

- Construct clear and well-structured arguments, anticipating and dealing with various challenges to those arguments that might arise

Science - 6 Hours, one course from each area, one course must include a lab

- (1) All students are required to complete 6 hours of science with 3 hours selected from Biological Science and 3 hours selected from Physical Science. At least one laboratory course is required.
- (2) If a student has selected, or is contemplating, a major in an area of Physical and Life Sciences, then courses under “For Science Majors” are appropriate. Courses in the other category are appropriate for *all* students.

Biology

| | | |
|-------------------------|--|---|
| For <i>All</i> Students | BIOL 121/121L BIOL 136/136L BIOL 138/138L BIOL 331 BIOL 337 BIOL 431/431L | Human Biology and Lab, 3 hrs. Biological Science and Lab, 3 hrs. General Botany and Lab, 3 hrs. Human Sexuality, 3 hrs. Environmental Management, 3 hrs. Ethnobotany and Lab, 3 hrs. |
| For Science Majors | BIOL 131 BIOL 139/139L | Fundamentals of Cellular Biology, 3 hrs. General Zoology and Lab, 3 hrs. |

Physical Science

| | | |
|-------------------------|---|--|
| For <i>All</i> Students | CHEM 121 CHEM 140/140L GEOS 130 GEOS 137 PHYS 135 PHYS 151/151L PHYS 330 PHYS 333/333L PHYS 334 | Fundamental Chemistry, 3 hrs. General Chemistry and Lab, 4 hrs. Earth Science, 3 hrs. Environmental Geology, 3 hrs. Physical Science, 3 hrs. College Physics I and Lab, 5 hrs. Phys Sci for the Elem & Middle Grades Teach, 3 hrs. Astronomy and Lab, 3 hrs. Meteorology, 3 hrs. |
| For Science Majors | CHEM 131/131L GEOS 231/231L GEOS 234/234L PHYS 241/241L | College Chemistry I and Lab, 4 hrs. Physical Geology and Lab, 4 hrs. History of the Earth System and Lab, 4 hrs. University Physics and Lab, 5 hrs. |

Student Learning Outcome for Science: Students will acquire an understanding of the fundamental principles of the natural sciences and apply scientific methods of inquiry to investigate the natural world and its connections with culture and society.

Performance Criteria for Science:

Students should be able to:

- Demonstrate basic knowledge of the natural sciences;
- Apply scientific reasoning to one’s environment;
- Describe historical foundations of scientific knowledge and the progressive nature of science.

LITERACY REQUIREMENT

Graduation Literacy Requirement

- COLG 191, Information Literacy, is a required course for graduation for all new freshmen and transfer students, commencing in the Fall 2011.

ALTERNATIVE LEARNING EXPERIENCES

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 Registrar's 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.

Correspondence Courses (Self-study)

- Students may enroll for credit in Chadron State College correspondence courses.
- Correspondence courses have no classroom time and are completed without faculty instruction, interaction, or supervision.
- Full payment of tuition and fees is due at the time of registration.
- Correspondence courses may not be audited.
- Student may enroll for year-long or semester-long formats.
- Students may not be enrolled in more than two courses at a time.

Year-long format

- Students have one calendar year from the end of the semester in which they enrolled to complete the course.
- A grade is filed upon completion of the course or at the end of the one year period, whichever occurs first.
- A "W" will be posted as a final grade for students withdrawing from the course within the first six months. Withdrawals after six months will result in a final grade (other than "W") based on course material completed at the time of withdrawal.
- Courses are not subject to "incompletes" and extensions are not granted.
- A full refund of tuition and fees (except matriculation fee) is available only within the first 30 days of enrollment. There are no refunds after the first 30 days of enrollment.
- Year-long courses are not eligible for financial aid.

Semester-long format

- Courses begin and end at the same time as other CSC spring and fall semester courses. Semester-long correspondence classes are not available during the summer term.
- Semester-based courses may qualify for financial aid.
- Once registered for semester-based courses, students may not change to the full-year option.
- Semester-based correspondence courses are subject to the same policies and time restrictions as other semester-based CSC courses.
- Grades are filed at the end of the semester of enrollment.

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 in the General Bulletin.

- 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.
- 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 Registrar’s Office.
- Fees are determined annually and are charged through the Business Office.
- Exceptions:
 - When the course is a prerequisite 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.

Other policies may apply.

Independent Study

Independent Study allows a student to learn independently under the supervision of a faculty member outside the normal classroom setting. The intent of Independent Study courses is to support and encourage in-depth study in areas beyond the traditional course offerings. (Independent Study differs from self-study correspondence courses.)

- Students may not earn more than nine credit hours of independent study.
- No more than six hours completed in any one department.
- Exceptions to this policy can be made only through written petition to the Vice President for Academic Affairs.

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 Registrar’s Office in Crites Hall for more information.

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 compliment the traditional curriculum of Chadron State College. The goal of this experience will be to enhance the student’s educational, professional, and personal development.

- Internship credit can apply toward degree, elective, and/or upper division hour requirements for graduation.
- Students must have completed 30 credit hours and demonstrate academic achievement, personal maturity, and readiness.
- Students may earn 1-12 hours of internship credit per academic term.
- A maximum of 18 hours of internship credit may be applied toward a degree. Lower limits may apply in some departments. All internship hours contribute to a maximum of 42 hours of experiential learning credit.
- The student's academic advisor and the departmental faculty coordinator must approve the student and the internship site before the student begins an internship
- Other policies may apply.
- Contact the Career and Academic Planning Services in Crites hall for more information.

Prior Learning Credit Program (PLC)

The Prior Learning Credit Program provides the opportunity for enrolled adult students (25 years or older) to receive credit for college-level learning acquired outside the traditional college classroom.

- To be considered for credit, students document college-level learning from work experience, training, military service, intensive reading, and other activities where comparable learning would occur.
- Students seeking Prior Learning Credit are required to complete COLG 131 Portfolio Development prior to submission of a portfolio that documents the college-level learning from their experiences.
- Other policies may apply.
- Contact the Extended Campus Programs Office in Crites Hall 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.

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

- Agribusiness – Agriculture
- Agricultural Plant Science
- Animal Science
- Equine Management
- Rangeland Management
- Veterinary Science
- Wildlife Management

Transfer Programs

- Agricultural Education
- Grassland Ecology and Management

Certificates

- Agricultural Plant Sciences
- Wildlife 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
- Art Education (K-6)

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)

Minors

- Biology
- Human Biology
- Plant Sciences
- Wildlife Biology
- Wildlife Management

Certificates

- Plant Sciences
- Wildlife Management

Health Sciences Majors

Health Sciences Comprehensive Major with options in:

- Clinical Laboratory Science
- General Health Care
- Pre-Chiropractic Medicine
- Pre-Pharmacy
- Pre-Veterinary Medicine
- Radiologic Technology

Health Professions Rural Health Opportunities Programs (RHOP)

- Dental Hygiene
- Dentistry
- Clinical Laboratory Science
- 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

Business (con't)**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)

Minor

Early Childhood Education (K-8)

English**Major**

Literature Subject Major

Teaching Endorsements

English Education Subject Endorsement (7-12)
 Language Arts Education Field Endorsement (7-12)
 Language Arts Education Middle Grades Content Area
 of Specialization (4-9)

Minors

Comparative Philosophy
 English
 English Education (K-8)
 Writing

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)

Family and Consumer Sciences (con't)**Minors**

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

Minors

Exercise Science
 Outdoor Adventure
 Sports Leadership
 Physical Education (K-8)

Health Sciences

See Biology

History**Majors**

History Subject Major

Teaching Endorsements

History Subject Endorsement (7-12)

Minor

History

Industrial Technology

See Design and Technology Education

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

Justice Studies cont.**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

Library Information Management**Major**

Library Information Management Major

Teaching Endorsement

Library Media Specialist Field Endorsement (K-12)

Minors

Library Information Management
 Library Media Specialist (K-8)

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 (7-12)
 Mathematics Middle Grades Content Area of Specialization (4-9)

Minors

Applied Statistics
 Mathematics
 Mathematics Education (K-8)

Military Science Leadership

Program
ROTC

Museum Studies

Minor
Museum Studies

Music

Majors
Music Comprehensive Major with options in:
Music Performance
Music Business
Instrumental/Vocal Emphasis
Piano Studio Operations Emphasis

Teaching Endorsements

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

Minors

Music
Music (K-8)

Natural Science

See Biology or Physical Science

Physical Education and Recreation

See Health, Physical Education and Recreation

Physical Sciences

Majors
Physical Science Comprehensive Major with options
in:
Chemistry
Geoscience
Physics

Teaching Endorsements

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

Minors

Chemistry
Geoscience
Physics
Science Education (K-8)
Water Resources Management

Physical Sciences cont.

Certificates
Geographic Information Systems
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)

Minor

Social Science Education (K-6)

Social Work

Major
Social Work Comprehensive Major

Spanish

See World Language

Special Education

Teaching Endorsements

- Mild/Moderate Disabilities Field Endorsement (K-12)
- Mild/Moderate Disabilities Middle Grades Content Area of Specialization (4-9)
- Early Childhood Education Unified Field Endorsement (Birth-Grade 3)

Minor

- Mild/Moderate Disabilities (K-8)

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.
- Recognize the highly competitive and global role of agriculture in the local, national, and world marketplaces.
- Achieve entrance into graduate programs in agriculture or rangeland management related fields.
- Interpret and utilize current theory and research findings to enhance knowledge, skills, and abilities needed for agriculture or rangeland management related careers.

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, the General Studies requirements and the graduation literacy requirement. All students must take BIOL 131, 136/136L, or 138/138L which will satisfy the General Studies Biology requirement.

Core Requirements

| | |
|--|--|
| AGRI 132 Introduction to Animal Science..... 3 | AGRI 334 Vegetation Manipulation Practices..... 3 |
| AGRI 141 Introduction to Plant Science 3 | AGRI 337 Applied Animal Nutrition 3 |
| AGRI 151 Foundations of Nutrition & Metabolism ... 3 | AGRI 339 & 339L Rangeland Plant ID & Lab..... 3 |
| AGRI 242 & 242L Prin of Rangeland & Forage Mgmt & Lab | AGRI 350 Rangeland Ungulate Production..... 3 |
| AGRI 245 & 245L Prin of Soil Science & Lab 4 | AGRI 410 Agriculture Seminar 1 |
| AGRI 310 Careers in Agriculture 1 | AGRI 428 & 428L Habitat Invent & Analysis & Lab .3 |
| | 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 General Studies requirements with exceptions as noted below. If the student elects to spend two semesters at the University of Nebraska-Lincoln the following exceptions apply three (3) hours of History, three (3) hours of Health/Wellness, and two (2) hours of Physical Activities are waived from the General Studies requirements for this option.

| | |
|--|---|
| Core Requirements 37 | BIOL 438 & 438L Taxonomy of Plants & Lab |
| AGRI 235 Introduction to Wildlife Management 3 | AGRI 444 Grass Systematics..... 3 |
| AGRI 436 Rangeland and Fire Ecology 3 | ECON 334 Agricultural Economics & Agribusiness... 3 |
| BIOL 238 & 238L Plant Morphology & Lab.....OR | AGRON 477 Great Plains Pedology 4 |
| BIOL 439 & 439L Plant Physiology & Lab 3 | ..... |
| BIOL 336 & 336L General Ecology & Lab 3 | GEOS 322 Introduction to GIS..... 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.

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

Classes with the FIRE prefix here are only available at Casper College. See General Studies transfers for electives to take at Casper College to meet the General 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 General 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 45 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 General Studies requirements. No exceptions to the General Studies requirements apply to this option.

| | | | | |
|-------------------------|--------------------------------------|--|--|----|
| 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 nine (6) hours from the following: ACTG 241; ECON 232, 334, 338; FIN 335.

Recommended Electives: In order to enhance employment opportunities, the following elective courses are recommended: AGRI 335, 420, 431, 436, 451; GEOS 321, 322, and ECON 434.

Rangeland Wildlife Management Option

A student must complete the following program in addition to the Core and the General Studies requirements. No exceptions to the General Studies requirements apply to this option.

| | | | | | |
|-------------------------|--|----------|------------------------------------|--|----|
| 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 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.

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

MINORS in Agriculture

Agribusiness – Agriculture: This minor is recommended for the student interested in agribusiness and enrolled in a major other than rangeland management. Rangeland management majors are advised to complete the Minor in Agribusiness offered by Business.

| | | | | | |
|-----------------|--|---|---|--------------------------------|----------|
| AGRI 132 | Introduction to Animal Science..... | 3 | AGRI 331 | Farm and Ranch Management..... | 3 |
| AGRI 242 & 242L | Prin of Rangeland & Forage Mgmt & Lab | 4 | AGRI 410 | Agriculture Seminar | 1 |
| AGRI 310 | Careers in Agriculture | 1 | Choose 9 hrs of electives from below..... | | <u>2</u> |
| | | | Total | | 21 |

Electives: AGRI 431, ECON 334, 338, 434, FIN 335.

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 238 & 238L | Plant Morphology & Lab | OR |
| AGRI 245 & 245L | Prin of Soil Science & Lab | 4 | BIOL 439 & 439L | Plant Physiology & Lab | 3 |
| AGRI 339 & 339L | Rangeland Plant ID & Lab | 3 | BIOL 438 & 438L | Taxonomy of Plants & Lab OR | |
| AGRI 428 & 428L | Habitat Invent & Analysis & Lab. 3 | | AGRI 444 | Grass Systematics..... | 3 |
| | | | GEOS 322 | Introduction to GPS..... | <u>1</u> |
| | | | 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 132 | Introduction to Animal Science..... | 3 | AGRI 337 | Applied Animal Nutrition | 3 |
| AGRI 242 & 242L | Prin of Rangeland & Forage Mgmt & Lab | 4 | Animal Production electives to be selected from list below | | 6 |
| AGRI 310 | Careers in Agriculture | 1 | Animal Anatomy/Physiology to be selected from list below | | <u>3</u> |
| | | | Total | | 20 |

Animal Production: Select at least six (6) hours from the following: AGRI 333/333L, 335, 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 132 | Introduction to Animal Science..... | 3 | AGRI 346 | Equine Communications I..... | 3 |
| AGRI 242 & 242L | Prin of Rangeland & Forage Mgmt & Lab..... | 4 | AGRI 347 | Equine Communications II..... | 3 |
| AGRI 331 | Farm & Ranch Management | 3 | AGRI 429 | Equine Industry Applied Field Studies | 2 |
| AGRI 335 | Horse Production..... | 3 | | Total | 21 |

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

| | | | | | |
|-----------------|---|---|---|---------------------------------------|----|
| AGRI 132 | Introduction to Animal Science..... | 3 | AGRI 339 & 339L | Rangeland Plant ID & Lab | 3 |
| AGRI 242 & 242L | Prin of Rangeland & Forage Mgmt & Lab..... | 4 | AGRI 428 & 428L | Habitat Invent & Analysis & Lab | 3 |
| | | | Choose 7 hrs of electives from below..... | | 7 |
| | | | | Total | 20 |

Electives: AGRI 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 427 & 427L | Animal Anat & Phys & Lab | 4 |
| AGRI 234 & 234L | Prin of Animal Nutrition & Lab | 3 | AGRI 445 & 445L | Mammalogy & Lab | 3 |
| AGRI 337 | Applied Animal Nutrition | 3 | AGRI 447 | Animal Breeding & Reproduction | 3 |
| AGRI 410 | Ag Seminar | 1 | Electives | | 3 |
| | | | | Total | 20 |

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.

ACADEMIC CERTIFICATE in Agriculture

Agricultural Plant Sciences: This certificate program is intended to enhance the knowledge base of producers, conservationists, and interested members of the general public in the area of plant science. The successful student in this program will be awarded a Certificate in Agricultural Plant Sciences upon successful completion of the following courses.

| | | | | | |
|-----------------|-------------------------------------|---|-----------------|------------------------------|----|
| AGRI 141 | Introduction to Plant Science | 3 | BIOL 438 & 438L | Taxonomy of Plants & Lab | |
| AGRI 339 & 339L | Rangeland Plant ID & Lab | 3 | OR | | |
| | | | AGRI 444 | Grass Systematics..... | 3 |
| | | | BIOL 439 & 439L | Plant Physiology & Lab | 3 |
| | | | | Total | 12 |

To enhance employability with this certificate, it is recommended that students supplement these classes with the following: AGRI 245/245L, 428/428L, 431, 436, BIOL 138/138L, 336/336L, 425/425L, 431/431L, 448/448L, GEOS 321, 322.

Wildlife Management: This certificate program is intended to enhance the knowledge base of producers, conservationists, and interested members of the general public in the area of wildlife management. The successful student in this program will be awarded a Certificate in Wildlife Management upon successful completion of the following courses.

| | | | | | | |
|----------|--|---|----------|---------------------------------------|-------|----|
| AGRI 235 | Introduction to Wildlife Management..... | 3 | AGRI 426 | Wildlife Research and Mgmt Tech | 3 | |
| AGRI 325 | Rangeland Wildlife Management..... | 3 | AGRI 435 | Wildlife Management Practicum..... | 3 | |
| | | | | | Total | 12 |

To enhance employability with this certificate it is recommended that students supplement these classes with the following: AGRI 324, 427/427L, 436, 445/445L or BIOL 435/435L, BIOL 139/139L, 336/336L, 343/343L, 401, 431/431L, 444/444L; GEOS 321, 322.

AMERICAN INDIAN STUDIES

Student Learning Outcomes

- Students will be able to compare and contrast American Indian societies and cultures.
- Students will be able to define and describe Lakota society and culture, and assess its effect upon the High Plains.
- Students will be able to 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 General Studies requirements and a major in another discipline:

| | | | | | | |
|----------|---|---|---------------------------------|--------------------------------------|-------|----|
| ANTH 337 | People & Cultures of North America..... | 3 | HIST 430 | History of the American Indian | 3 | |
| ENG 435 | Native American Literature..... | 3 | Electives from list below | 12 | | |
| | | | | | Total | 21 |

Electives to be selected from following: AIS 131, 132, 334, 430, 436; ANTH 430, 435; BIOL 448/448L; HIST 446, 447.

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 Fine Arts Studio, Graphic Design or Art Education. 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

- All art majors are required to complete Art 131, 133, 136, and 230 prior to enrolling in any other studio courses.
- 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.
- 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.
- 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.)
- 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.
- Art students will not be permitted to enroll in Advanced Art Studio, Seminar, or Independent Study until they have completed the required courses in the media or topic selected for advanced study.
- 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.
- Materials fee will be assessed for most Art courses.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN ART: A student must complete the following core and one option in addition to the General Studies requirements and the graduation literacy requirement. Students pursuing this major must complete ART 239 as the General Studies Fine Arts requirement. All art majors are required to complete ART 131, 133, 136 and 230 prior to enrolling in any other studio courses.

Core Requirements

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

Art Studio Option

| | | | |
|---------------------------------------|----|---|-----------|
| Core requirements..... | 39 | *Electives selected from list below | <u>12</u> |
| ART 320 Figure Drawing | 3 | | Total 57 |
| ART 340 20th Century Art Survey | 3 | | |

*Electives may be selected from ART 325, 331, 332, 337, 343, 421A, 421B, 428.

The following courses are suggested to enhance employment opportunities: Art 226a,b,c, 245a, 332; BA 331; MKTG 231, 334, 335, 336, 338, 435, 439; MS 231, 235, 330, 331, 340, 390.

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..... | <u>3</u> |
| MS 331 Exhibit Design..... | 3 | | 57 |

The following courses are suggested to enhance employment opportunities: ART 245A, 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 411 Graphic Design III | 3 |
| ART 322 Graphic Design I | 3 | ART 422 Graphic Design Practicum | 3 |
| ART 329 Graphic Design II | 3 | Art electives (must be upper division)..... | <u>3</u> |
| ART 340 20th 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; MIS 130, 235, 330, 331, 337.

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. Students pursuing this major must complete ART 239 as the General Studies Fine Arts requirement. A student must complete the following requirements, the General Studies requirements, the graduation literacy requirement and Professional Education requirements.

| | | | |
|--|---|---|----------|
| ART 131 Drawing I | 3 | ART 323 Creative Photography | |
| ART 133 Design Fundamentals I..... | 3 | OR | |
| ART 136 Drawing II | 3 | ART 223 Introduction to Photography | 3 |
| ART 225 Printmaking I..... | 3 | ART 334 Art for the Elem/MS Teacher..... | 3 |
| ART 227 Sculpture I | 3 | ART 338 Art History Survey I..... | 3 |
| ART 228 Ceramics I | 3 | ART 339 Art History Survey II | 3 |
| ART 229 Introduction to Graphic Design | 3 | ART 340 20 th Century Art Survey | 3 |
| ART 230 Design Fundamentals II | 2 | ART 412 Senior Thesis..... | 1 |
| ART 232 Painting I..... | 3 | *Electives selected from list below | <u>9</u> |
| ART 321 Glass I (a) or (b)..... | 3 | | Total 54 |

*Electives may be selected from ART 322, 325, 331, 332, 337, 343, 421a, 421b, 428.

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 General

Studies, the graduation literacy requirement and Professional Education Middle Grades requirements and one other Content Area of Specialization for Middle Grades.

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

MINORS in Art

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

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

Art (K-6): A student must complete the following program in addition to the General Studies and Professional Education, Elementary Education requirements.

| | | | | | |
|---------|-------------------------------------|---|---|------------------------------|---|
| 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 |
| | | | Electives in Art (Must be upper division) | 9 | |
| | | | Total | 21 | |

BIOLOGY

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 understand and be able to apply scientific reasoning to the acquisition and interpretation of new 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.
 - Students will exhibit the professional skills appropriate for their chosen career path, including an understanding of the scientific research process.
 - Students will be able to communicate scientific knowledge to a diverse audience.

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN BIOLOGY: A student must complete the core requirements, an option, the General Studies requirements and the graduation literacy requirement. Students pursuing a comprehensive major in biology should take MATH 138 or 232 as their General 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.

Core Requirements

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

*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 | | | Total 57 |
| BIOL 438 & 438L Taxonomy of Plants & Lab | 3 | | |
| BIOL 439 & 439L Plant Physiology & Lab..... | 3 | | |

Students entering the Environmental Resource Management field are encouraged to pursue a minor in Applied Statistics, Environmental Chemistry, Geoscience, Water Resource Management, or 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 | Biology Electives | 3 |
| BIOL 432 & 432L Developmental Biology & Lab..... | 3 | | Total 57 |

Human Biology Option

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

*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 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 412 Biotechnology | 3 | Biology Electives | 5 |
| BIOL 430 Immunology | | Total | 57 |
| OR | | | |
| BIOL 432 & 432L Developmental Biol & Lab | 3 | | |

Wildlife Biology Option

| | | | |
|---|----|--|----|
| Core Requirements | 29 | BIOL 343 & 343L Parasitology | 3 |
| AGRI 427 & 427L Animal Anatomy and Physiology | 4 | BIOL 400 Independent Study–Wildlife Research | 1 |
| BIOL 239 & 239L Animal Classification | 4 | BIOL 431 & 431L Entomology | 3 |
| BIOL 336 & 336L General Ecology | 3 | BIOL 438 & 438L Taxonomy of Plants | 3 |
| BIOL 337 Environmental Management | 3 | GEOS 322 Introduction to GIS | 3 |
| | | Total | 56 |

In order to enhance employment opportunities, and to provide actual class work in wildlife management students taking this option should take the Wildlife Management minor offered by AG/Rangeland Management or AGRI 235, 324, 325, 426 435, 445, 451; GEOS 321, 322; MATH 138, 232 as electives.

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, General Studies Requirements, and the graduation literacy requirement. Students pursuing this endorsement must complete MATH 138 as the General Studies Mathematics requirement and PHYS 435 as one of the General Studies Global and Social Awareness requirements. A final grade of “C” or better must be attained in all endorsement area courses.

| | | | |
|--|---|--|----|
| BIOL 138 & 138L General Botany & Lab | 3 | BIOL 341 & 341L Microbiology & Lab | 4 |
| BIOL 139 & 139L General Zoology & Lab | 3 | BIOL 412 Biotechnology | 3 |
| 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 332 Genetics | 3 | PHYS 241 & 241L University Physics I & Lab | 5 |
| BIOL 336 & 336L General Ecology & Lab | 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 General 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* | 9 |
| 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 General 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 | 4 |
| BIOL 231 & 231L Human Anat & Phys & Lab | 4 | Total | 21 |
| BIOL 332 Genetics | 3 | | |

Plant Sciences: A student must complete the program below in addition to the General 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 | GEOS 322 Introduction to GIS | 3 |
| BIOL 336 & 336L General Ecology & Lab | 3 | Total | 22 |

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 General 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 | GEOS 322 Introduction to GIS | 3 |
| BIOL 343 & 343L Parasitology | 3 | Total | 22 |

Wildlife Management: A student must complete the program below in addition to the General Studies requirements and a major in another discipline.

| | | | |
|--|---|--|----|
| BIOL 235 Intro to Wildlife Mgmt | 3 | BIOL 435 Mammalogy | 3 |
| BIOL 325 Rangeland Wildlife Mgmt | 3 | BIOL 437 Wildlife Mgmt Practicum | 3 |
| BIOL 401 Ornithology | 3 | Electives | 3 |
| BIOL 426 Wildlife Research & Mgmt Tech | 3 | Total | 21 |

To satisfy wildlife elective and to enhance employment potential students are recommended to take courses from the following: AGRI 245/245L, 339/339L, 428/428L, 436, BIOL 427/527, 443/543, GEOS 321, 322, MATH 232.

Academic Certificates in Life Sciences

Plant Sciences: A student may be awarded a Certificate in Plant Sciences upon successful completion of the Plant Sciences minor program of study listed above.

Wildlife Management: A student may be awarded a Certificate in Wildlife Management upon completion of the Wildlife Management minor program of study listed above.

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. A twelve month professional program in Clinical Laboratory Sciences (Medical Technology).
2. 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.
3. 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.
4. 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.
5. 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 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, 45 upper division hours, 125 semester hours of college credit, and the General Studies requirements as subsequently listed. Should the professional program component not total 35 semester hours the student must earn additional Chadron State College credit at the upper division level to meet the 125 total credit hour minimum.

Admission requirements to a professional program and thus graduation requirements may change between the date a catalog is printed and the date a student may expect to be graduated. Therefore, each student must consult with the Health Professions Office/Advisor and the Registrar's Office at CSC as 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, the listed General Studies, and elective courses.

Core Requirements

| | | | |
|--|---|---|-------|
| BIOL 139 & 139L General Zoology & Lab | 3 | BIOL 341 & 341L Microbiology & Lab | 4 |
| 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 |
| | | CHEM 335 & 335L Biochemistry I & Lab | 4 |
| | | Total | 28-36 |

1. General health care, and radiological technology students may replace the courses listed with CHEM 140/140L.
2. Pre-chiropractic medicine, pre-pharmacy, and pre-veterinary medicine students must replace the courses listed with CHEM 333/333L and CHEM 334/334L.

Clinical Laboratory Science (Medical Technology) Option

Students must complete the core requirements; the courses listed below, and NAACLS approved program in Medical Technology.

| | | | |
|--|----|--|----|
| Core Requirements | 32 | BIOL 412 Biotechnology | 3 |
| BIOL 323 & 323L Basic Hematology & Lab | 2 | BIOL 430 Immunology | 3 |
| BIOL 332 Genetics | 3 | BIOL 456 & 456L Pathogenic Microbiology & Lab | 3 |
| BIOL 343 & 343L Parasitology & Lab | 3 | CHEM 342 & 342L Instrumental Analysis & Lab | 4 |
| | | Total | 53 |

General Studies

| | | | |
|---|---|-----------------------------------|-----------|
| Communication Arts Course (125, 130, 225 or 230)..... | 3 | MATH 232 Applied Statistics | 3 |
| ENG 135 Composition I** | 3 | PSYC 131 General Psychology | 3 |
| ENG 136 Composition II | 3 | General Studies elective | <u>15</u> |
| | | Total | 30 |

**Students proficient in writing are encouraged to register for advanced composition courses including ENG 240, 337, and 339.

General Electives

Seven hours of elective courses must be selected from any area of the Chadron State College catalog with advisor consultation.

| | |
|--|-----------|
| Minimum hours through CSC | 90 |
| Professional Program CLS (Medical Technology)- | |
| Upper Division Hours | <u>35</u> |
| Minimum total..... | 125 |

Chadron State College is affiliated with the Clinical Laboratory Science (Medical Technology) Program at Rapid City Regional Hospital. Chadron State College's pre-professional program meets the requirements of many, if not all, NAACLS accredited professional schools in the United States. The Clinical Laboratory Sciences curriculum for Rapid City Regional Hospital follows the course descriptions for Biology. Successful completion of course work is required, but completion of the registry exam is not required for the degree.

General Health Care Option

This option is available only to those students pursuing a career choice for which an option is not described. The elective courses for this option will be selected by the student and the student's advisor at Chadron State College and approved by the Registrar and the Dean of the School of Arts and Science. The courses selected for this option must total 26 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. Student must consult with the Health Professions Office, Director of Health Professions, and the Chair of the Physical and Life Sciences Department to plan course of study.

| | | | |
|-------------------------|----|--|-----------|
| Core Requirements | 28 | Program Electives (See above paragraph)..... | <u>26</u> |
| | | Total | 54 |

General Studies

| | | | |
|--|---|-----------------------------------|--------------------|
| Communication Arts Course (125, 130, 225, or 230)..... | 3 | MATH 232 | Applied Statistics |
| ENG 135 Composition I** | 3 | PSYC 131 General Psychology | 3 |
| ENG 136 Composition II | 3 | General Studies Electives | <u>15</u> |
| | | Total | 30 |

**Students proficient in writing are encouraged to register for advanced composition courses, including ENG 240, 337, and 339.

General Electives

Six hours of elective courses must be selected from any area of the Chadron State College catalog with advisor consultation.

| | |
|---|-----------|
| Minimum hours through CSC | 90 |
| Minimum hours from professional program – | |
| Upper Division Hours | <u>35</u> |
| Minimum total..... | 125 |

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 | 36 | PHYS 241 & 241L University Physics I & Lab | 5 |
| BIOL 342 & 342L Human Physiology & Lab..... | 4 | PHYS 242 & 242L University Physics II & Lab | <u>5</u> |
| MATH 138 Applied Calculus..... | 3 | Total | 53 |

General Studies

| | | | |
|---|---|-----------------------------------|-----------|
| Communication Arts Course (125, 130, 225 or 230)..... | 3 | MATH 232 Applied Statistics | 3 |
| ENG 135 Composition I** | 3 | PSYC 131 General Psychology | 3 |
| ENG 136 Composition II | 3 | General Studies Electives | <u>15</u> |
| | | Total | 30 |

**Students proficient in writing are encouraged to register for advanced composition courses, including ENG 240, 337, and 339.

General Electives

Seven hours of elective courses must be selected from any area of the Chadron State College catalog with advisor consultation.

| | |
|---|-----------|
| Minimum hours through CSC | 90 |
| One year of a professional program in Chiropractic Medicine - Upper Division Hours | <u>35</u> |
| Minimum total..... | 125 |

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 | 36 | MATH 151 Calculus I | 5 |
| BIOL 342 & 342L Human Physiology & Lab..... | 4 | PHYS 241 & 241L University Physics I & Lab | <u>5</u> |
| ECON 232 Microeconomics | 3 | Total | 53 |

*Upper division program electives must be carefully selected with advisor consultation.

General Studies

| | | | |
|--|---|-----------------------------------|-----------|
| Communication Arts Course (125, 130, 225, or 230)..... | 3 | MATH 232 Applied Statistics | 3 |
| ENG 135 Composition I** | 3 | PSYC 131 General Psychology | 3 |
| ENG 136 Composition II | 3 | General Studies Electives | <u>15</u> |
| | | Total | 30 |

**Students proficient in writing are encouraged to register for advanced composition courses, including ENG 240, 337, and 339.

General Electives

Seven hours of elective courses must be selected from any area of the Chadron State College catalog with advisor consultation.

| | |
|--|-----------|
| Minimum hours through CSC | 90 |
| One year of a professional program in Pharmacy - Upper Division Hours | <u>35</u> |
| Minimum total..... | 125 |

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.

| | | | |
|--|----|---|----------|
| Core Requirements | 36 | AGRI 427 & 427L Animal Physiology & Lab | 4 |
| AGRI 132 Animal Science | 3 | AGRI 447 Animal Breeding and Reproduction..... | 3 |
| AGRI 234 & 234L Prin of Animal Nutrition & Lab | 3 | BIOL 239 & 239L Animal Classification & Lab | 4 |
| AGRI 410 Agriculture Seminar | 1 | BIOL 332 Genetics | <u>3</u> |
| | | Total | 57 |

General Studies

| | | | |
|--|---|--|-----------|
| BIOL 432 & 432L Developmental Biology & Lab | 3 | MATH 138 Applied Calculus..... | 3 |
| Communication Arts Course (125, 130, 225, or 230)..... | 3 | MATH 232 Applied Statistics | 3 |
| ENG 135 Composition I** | 3 | PHYS 241 & 241L University Physics I & Lab | 5 |
| ENG 136 Composition II | 3 | General Studies Electives | <u>10</u> |
| | | Total | 33 |

**Students proficient in writing are encouraged to register for advanced composition courses, including ENG 240, 337, and 339.

| | |
|--|-----------|
| Minimum hours through CSC | 90 |
| One year at an accredited Veterinary School..... | <u>35</u> |
| Minimum total..... | 125 |

Radiologic Technology Option

This program is specific to the Regional West Medical Center (RWMC) Radiologic Technology Certificate Program. Students must complete the core requirements as well as the courses listed below, and all prerequisites and required courses in the Radiologic Technology Certificate Program. Degree requirements may be different for other accredited Radiologic Technology programs.

| | | | |
|--------------------------|----|---------------------------------------|-----------|
| Core Requirements* | 31 | Radiologic Technology Courses **..... | <u>71</u> |
| | | Total | 102 |

Radiologic Technology Prerequisites***

| | | | |
|--------------------------------|---|------------------------|---|
| Math 142 College Algebra | 4 | Program Elective | |
| | | Total | 7 |

General Studies

| | | | |
|--|---|---|----------|
| Communication Arts Course (125, 130, 225, or 230)..... | 3 | MATH 232 Applied Statistics | 3 |
| ENG 135 Composition I**** | 3 | PHIL 231 Introduction to Philosophy..... | 3 |
| ENG 136 Composition II | 3 | PSYC 131 General Psychology | 3 |
| ENG 233 Elements of Literature..... | 3 | SOC 231 Introduction to Sociology..... | 3 |
| HUM 231 Humanistic Perspectives | 3 | Electives in Humanities, History or Government..... | <u>3</u> |
| | | Total | 30 |

*Students substitute Health Physics I, Radiation Physics I, and Radiobiology from the RWMC Radiologic Technology Certificate Program for CHEM 335 with lab.

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

***These courses are additional required prerequisites for admission to the RWMC Radiologic Technology Program that are not included in the CSC General Studies requirements.

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, medical technology, physical therapy, nursing, physician assistant, and radiography. Admission into each option of the program is competitive. Each participant accepted into the program receives automatic admission into the designated professional program upon successful completion of the appropriate curriculum at CSC. 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: Includes three years of study at CSC, three months of study in the student clinical laboratory at UNMC in Omaha or Kearney, Nebraska, and nine months of clinical laboratory experiences in Omaha or at selected clinical sites in central and western Nebraska. The student will receive a Bachelor of Science degree in Medical Technology from UNMC upon successful completion of this four year program.

DENTAL HYGIENE: Includes two years of coursework at CSC and two years of professional study at the Dental Hygiene Program, College of Dentistry, UNMC in West Campus in Scottsbluff, NE. Upon successful completion of this four year program, a student will receive a Bachelor of Science degree in Dental Hygiene from UNMC.

DENTISTRY: Includes four years of study at CSC followed by four years of professional education at the College of Dentistry at UNMC-Lincoln campus. The student will follow a prescribed four-year program of study at CSC that will satisfy the requirements for a Bachelor of Science with a comprehensive major in the Biology – Human Biology Option from CSC. The D.D.S. degree will be awarded by UNMC upon successful completion of the professional program.

MEDICINE: Includes four years of study at CSC followed by four years of professional education at the College of Medicine at UNMC. The student will follow a prescribed four-year program of study at CSC that will satisfy the requirements for a Bachelor of Science with a comprehensive major in the Biology – Human Biology Option from CSC. The M.D. degree will be awarded by UNMC upon successful completion of the professional program.

NURSING: Includes two academic years of coursework at CSC, and five semesters of professional study at the Scottsbluff Campus of the UNMC College of Nursing. Upon completion of this program, a student will receive a Bachelor of Science in Nursing degree from UNMC.

PHARMACY: Includes three years of coursework at CSC, three years of professional study at the College of Pharmacy at UNMC in Omaha, and one year of clerkships in rural Nebraska. Upon successful completion of first year of the Doctor of Pharmacy program, the student will qualify for the Bachelor of Science with a comprehensive major in the Health Science – Pre-Pharmacy Option from CSC and will receive a Doctor of Pharmacy (PharmD) degree from UNMC College of Pharmacy upon completion of the professional program.

PHYSICAL THERAPY: Includes four years of study at CSC, three years of basic medical science and clinical training at UNMC in Omaha, Nebraska, and a semester of clinical experiences in western Nebraska. The student will follow a prescribed four-year program of study at CSC that will satisfy the requirements for a Bachelor of Science with a comprehensive major in the Biology – Human Biology Option from CSC. The Doctor of Physical Therapy degree will be awarded by UNMC upon successful completion of the professional program.

PHYSICIAN ASSISTANT: Includes four years of study at CSC, thirteen months of basic medical sciences and clinical training in the Physician Assistant Program at UNMC in Omaha, Nebraska, followed by fifteen months of clinical rotations at UNMC in Omaha or at selected clinical sites in western Nebraska. The student will follow a prescribed four-year program of study at CSC that will satisfy the requirements for a Bachelor of Science with a Comprehensive Major in Biology--Human Biology Option from CSC. The Master of Physician Assistant degree will be awarded by UNMC upon successful completion of the professional program.

PUBLIC HEALTH: Includes four years of courses at CSC followed by two years at UNMC at Omaha. Upon completion, the student will receive a Bachelor of Arts in Family and Consumer Sciences with a Health and Human Services Option from CSC and a Masters in Public Health from UNMC.

RADIOGRAPHY: Includes two years of courses at CSC followed by two years of professional study in the Radiation Sciences Technology Program within the School of Allied Health at UNMC in Omaha. Upon successful completion of this four year program, the student will receive a Bachelor of Science degree in Radiation Science Technology from UNMC.

BUSINESS

The Association of Collegiate 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 Academy at Chadron State College provides nationally competitive professional preparation in Business Administration.

Mission

The faculty of the Business Academy is committed to preparing students for challenging careers in the rapidly changing, highly technological and culturally diverse world. The fundamental purpose of the Business Academy 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 Objectives of Bachelor of Arts Program

Business Academy 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 Academy 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 General Studies requirements, the graduation literacy requirement 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 General Studies requirements in Mathematics and Communication.

| | | | | | | |
|----------|---|---|----------|-------------------------------|-------|----|
| ACTG 241 | Accounting Principles I..... | 3 | ECON 231 | Macroeconomics | 3 | |
| ACTG 242 | Accounting Principles II..... | 3 | ECON 232 | Microeconomics | 3 | |
| BA 336 | Business & Economic Statistics | 3 | FIN 330 | Principles of Finance | 3 | |
| BA 337 | Business Law | 3 | MGMT 230 | Principles of Management..... | 3 | |
| BIS 130 | 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 |

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, the General Studies requirements and the graduation literacy requirement. 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 General 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 130 | 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 342 | Intermediate Accounting II..... | 3 | | |
| ACTG 332 | Accounting Information Systems | 3 | ACTG 430 | Personal Income Tax | 3 | |
| ACTG 337 | Cost Management Accounting | 3 | ACTG 431 | Corporate/Fiduciary Tax | 3 | |
| ACTG 341 | Intermediate Accounting I..... | 3 | ACTG 438 | Auditing..... | 3 | |
| | | | | | Total | 57 |

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 241 | Quantitative Methods | 3 | | |
| ACTG 433 | Government/Not-for-Profit Actg..... | 3 | BA 431 | Professional Ethics | 3 | |
| ACTG 437 | Advanced Cost Management Actg..... | 3 | BA 432 | Legal Aspects of Business Ownership | 3 | |
| ACTG 443 | Advanced Financial Accounting | 3 | General Studies..... | 47 | | |
| | | | | Electives ⁽¹⁾ | 28 | |
| | | | | | 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 | 3 | MBA Professional Courses: | |
| BA 431 | Professional Ethics | 3 | 2 of ACTG 533, 537 or 543 | 6 |
| BA 432 | Legal Aspects of Business Ownership | 3 | MBA Professional Course (elective)..... | <u>3</u> |
| General Studies..... | | 47 | Total | 161 |
| 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 | ECON 334 | Agricultural Econ. & Agribusiness | 3 | |
| AGRI 132 | Intro to Animal Science..... | 3 | ECON 338 | Agricultural Marketing..... | 3 |
| AGRI 141 | Intro to Plant Science | 3 | ECON 434 | National Agricultural Policy..... | 3 |
| AGRI 310 | Careers in Agriculture | 1 | FIN 335 | Agricultural Finance | |
| AGRI 410 | Agriculture Seminar | 1 | | Total | 56 |

Recommended Electives: In order to enhance employment opportunities, the following electives are recommended: AGRI 234, 234L, 242, 242L, 245, 245L, 331, 333, 333L; FIN 432.

Business Information Systems Option

| | | | | | |
|-------------------------|------------------------------|---------|---------------------------|----------------------------------|----------|
| Core Requirements | 36 | BIS 331 | Database Management | 3 | |
| BA 390 | Internship in Business | 3 | BIS 337 | E-Commerce..... | 3 |
| BIS 230 | Web Page Development | 3 | BIS 430 | Project Management..... | 3 |
| BIS 235 | Business Programming..... | 3 | BIS 431 | Systems Analysis and Design..... | <u>3</u> |
| | | | | Total | 57 |

Finance Option

| | | | | | |
|-------------------------|--|---------|------------------------|------------------------------|----------|
| Core Requirements | 36 | FIN 339 | Personal Finance | 3 | |
| BA 241 | Quantitative Methods | 3 | FIN 430 | Real Estate Investments..... | 3 |
| FIN 238 | Risk Management & Insurance | 3 | FIN 432 | Financial Management | 3 |
| FIN 331 | Financial Markets & Institutions | 3 | FIN 439 | Investment Analysis | <u>3</u> |
| | | | | Total | 57 |

Management Option

| | | | | | |
|-------------------------|---|---------|----------------------------|--|----------|
| Core Requirements | 36 | FIN 432 | Financial Management | 3 | |
| ACTG 337 | Cost Management Accounting | | MGMT 330 | Organizational Theory & Behavior | 3 |
| | OR | | MGMT 430 | Human Resource Management..... | 3 |
| BA 241 | Quantitative Methods | 3 | MGMT 432 | Production & Operations Management | 3 |
| BA 432 | Legal Aspects of Business Ownership | 3 | MKTG 335 | Entrepreneurship/Business Start-Up | <u>3</u> |
| | | | | Total | 57 |

Marketing/Entrepreneurship Option

| | | | | | |
|-------------------------|---|----------|--|---------------------------------------|----------|
| Core Requirements | 36 | MKTG 336 | Entre – Promotions & Advertising | 3 | |
| MKTG 331 | Sales Techniques | 3 | MKTG 338 | Buyer Behavior | 3 |
| MKTG 334 | Entre – Imagination & Opportunity | 3 | MKTG 435 | Business and Marketing Strategy | 3 |
| MKTG 335 | Entre – Business Start-Up | 3 | MKTG 439 | Business and Marketing Research..... | <u>3</u> |
| | | | | Total | 57 |

Student Learning**Objectives for Bachelor of Science in Education Programs**

The student learning objectives 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 General 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 General Studies requirements in Mathematics and Communication.

| | | | | | |
|----------|--|---|----------|---|----------|
| 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 100 | Introduction to Computer Applications..... | 3 | MGMT 434 | Strategic Management..... | 3 |
| BIS 130 | Principles of Information Systems | 3 | MKTG 231 | Principles of Marketing..... | 3 |
| BIS 230 | Web Page Development..... | 3 | MKTG 336 | Entre - Promotions and Advertising..... | 3 |
| BIS 332 | Decision Support for Managers..... | 3 | MKTG 338 | Buyer Behavior | 3 |
| CTE 434 | Prin. & Philosophy of CTE. | 3 | | | |
| CTE 438 | Coord. Tech: Work-Based Learning | 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 General 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 General Studies requirements in Mathematics and Communication.

| | | | | | |
|----------|--|---|----------|-------------------------------|----------|
| ACTG 241 | Accounting Principles I..... | 3 | ECON 231 | Macroeconomics | 3 |
| ACTG 242 | Accounting Principles II..... | 3 | ECON 232 | Microeconomics | 3 |
| BA 336 | Business & Economics Statistics | 3 | FIN 330 | Principles of Finance | 3 |
| BA 337 | Business Law | 3 | MGMT 230 | Principles of Management..... | 3 |
| BIS 100 | Introduction to Computer Applications..... | 3 | MGMT 434 | Strategic Management..... | 3 |
| BIS 332 | Decision Support for Managers..... | 3 | MKTG 231 | Principles of Marketing..... | 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 General 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 | BIS 100 | Introduction to Computer Applications..... | 3 | |
| BA 331 | Business Communications..... | 3 | ECON 130 | Survey of Economics..... | 3 | |
| BA 337 | Business Law..... | 3 | FIN 339 | Personal Finance..... | 3 | |
| | | | | | Total | 18 |

MINORS in Business

Agribusiness – Business: Business majors are encouraged to complete the Minor in Agribusiness offered by Agriculture.

| | | | | | | |
|----------|--------------------------------|---|---|---|-------|----|
| ACTG 241 | Accounting Principles I..... | 3 | ECON 334 | Agricultural Economics and Agribus..... | 3 | |
| AGRI 331 | Farm and Ranch Management..... | 3 | ECON 434 | National Ag Policy..... | 3 | |
| ECON 232 | Microeconomics..... | 3 | Choose 6 hrs of electives from below..... | | 6 | |
| | | | | | Total | 21 |

Electives: AGRI 340, 431; BA 432; BIS 130, ECON 231, 332, 338; FCS 436; FIN 335; 332.

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 130 | Principles of Information Systems..... | 3 | BIS 332 | Decision Support Systems..... | 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 339 | 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 334, 338; FIN 238, 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 Objectives

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 objectives 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 CTE3 | CTE 390 or 690 Internship (300 hrs. of supervised work experience..... 6 |
| CTE 438/538 Coord Tech: Work-Based Learn 3 | Total 6-12 |

COMMUNICATION ARTS

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 General Studies and graduation literacy requirements. Students pursuing this combination major are strongly recommended to enroll in MATH 232, Applied Statistics, to fulfill the General Studies requirements for Mathematics.

Core Requirements

| | | | | | |
|---------|---|---|---------|------------------------------------|----|
| C A 233 | Presentational Speaking | 3 | C A 351 | Organizational Communication | 3 |
| C A 234 | Photojournalism | 3 | C A 390 | Internship in Communication | |
| C A 238 | Introduction to Mass Media | 3 | | OR | |
| C A 260 | Intro to Communication Theory..... | 3 | C A 391 | Internship in Journalism | 3 |
| C A 333 | News Journalism..... | 3 | C A 434 | Editing and Design..... | 3 |
| C A 334 | Theories & Practices of Persuasion..... | 3 | | Total | 30 |
| C A 346 | Intercultural Communication | | | | |
| | OR | | | | |
| C A 442 | Globalization, Culture & Media..... | 3 | | | |

Interpersonal Communication Option

| | | | | | |
|-------------------------|--------------------------------------|---|---------|---|----|
| Core Requirements | 30 | | | | |
| CA 130 | Interpersonal Communication | 3 | CA 353 | Health Communication | 3 |
| C A 225 | Communicating in Group & Teams | 3 | C A 420 | Relational & Family Communication | 3 |
| C A 230 | Conflict Resolution & Mediation..... | 3 | C A 430 | Research Methods | 3 |
| C A 260 | Introduction to Comm Theory..... | 3 | C A 440 | Gendered Communication..... | 3 |
| | | | | Total | 54 |

Journalism Option

| | | | | | |
|-------------------------|----------------------------------|---------|------------------------|---------------------|----|
| Core Requirements | 30 | C A 430 | Research Methods | 3 | |
| ART 229 | Intro to Graphic Design..... | 3 | C A 431 | Media Projects..... | 6 |
| C A 231 | Intro to Digital Publishing..... | 3 | C A 443 | Media Law | 3 |
| C A 133 | Media Writing | 3 | | Total | 54 |
| C A 335 | Media Advertising..... | 3 | | | |

Public Relations Option

| | | | | | |
|-------------------------|----------------------------------|---------|-------------------------------|--|----|
| Core Requirements | 30 | C A 350 | Applied Public Relations..... | 3 | |
| C A 231 | Intro to Digital Publishing..... | 3 | C A 430 | Research Methods | 3 |
| C A 133 | Media Writing | 3 | C A 443 | Media Law | 3 |
| C A 250 | Intro to Public Relations..... | 3 | C A 450 | Public Relations: Current Trends | 3 |
| C A 335 | Media Advertising..... | 3 | | Total | 54 |

MINORS in Communication Arts

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

| | | | | | |
|---------|--------------------------------------|---|---------|---|----|
| C A 130 | Interpersonal Communication | 3 | C A 353 | Health Communication | 3 |
| C A 225 | Communicating in Group & Terms..... | 3 | C A 420 | Relational & Family Communication | 3 |
| CA 230 | Conflict Resolution & Mediation..... | 3 | C A 440 | Gendered Communication | 3 |
| C A 260 | Introduction to Comm Theory..... | 3 | | Total | 21 |

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

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

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

| | | | | | |
|---------|----------------------------------|---|---------|---------------------------------------|----|
| C A 133 | Media Writing..... | 3 | C A 430 | Research Methods..... | 3 |
| C A 231 | Intro to Digital Publishing..... | 3 | C A 434 | Editing and Design..... | 3 |
| C A 250 | Intro to Public Relations..... | 3 | C A 450 | Public Relations: Current Trends..... | 3 |
| C A 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: General Studies, Specialty Studies, and Professional Studies. One circle, professional studies, consists of six components that make up the conceptual framework for the Education Unit. These components are:



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

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

Student Learning Outcomes

The Teacher Education Unit has identified six (6) broad student learning outcomes that are expected of all program completers. Each student learning outcome is a reflection of one of the following six components of the Unit's conceptual framework "Developing Visionary Leaders":

- Thinking Skills
- Human Relations-Multicultural
- Assessment
- Communication
- Methodology-Technology
- Professionalism

Each of the six broad student learning outcomes are assessed at various intervals (gateways) throughout the teacher education program. (These six components are also used to organize and define the Unit's dispositions, as described in our conceptual framework document. The six 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)
- design and assess learning activities (with sequential goals and objectives), utilizing assessment measures to make instructional and/or curricular decisions. (Assessment)
- 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 objectives 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 G.P.A. of at least 2.50 is required. The G.P.A. will be calculated by using **all** previous college/university course work as well as course work from CSC;
 - d) completion of the college's three courses (6 hours of General Studies Composition courses, and either C A 125, 225 or 233) in written and oral communications, 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 prerequisites for entrance into the Professional Year are properly met before making application. These prerequisites include admission to candidacy, appropriate grade point averages 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 2.50 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 2.50 GPA (GPA will be calculated using 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 75% of the course work required for all endorsements with a GPA of 2.50 (GPA will be calculated using 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 minor or second endorsement area with a GPA of 2.50 (GPA will be calculated using 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 at least a 2.50 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 GPA of 2.50 or better in the prerequisite Professional Education courses (EDUC 131, PSYC 231 (or PSYC 334 for those seeking the Early Childhood Unified Endorsement), EDUC 224, SPED 230, 334, EDUC 300/320).
7. Completion of a Visionary Leader portfolio verified by the candidate’s advisor or methods instructor’s assessment, which is sent to the Director of Field Experience Office. The portfolio 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. It is then sent on to the Dean of Professional and Graduate Studies and the Dean of Students for approval. Last, it is sent back to the Field Experience Office and filed in the candidate's folder.
7. The candidate's advisor must receive the candidate's portfolio by November 1st for Spring Block or by March 1st for Fall Block. After checking the portfolio the advisor will ask the candidate to make any changes that are needed or approve the portfolio as presented. When the advisor approves the candidate's portfolio, 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 their 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 G.P.A. 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 portfolio; and
5. secondary students must have completed Special Methods classes (EDIC 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 G.P.A. of 2.50 or above in each area of endorsement, (2) met all course and credit requirements for endorsement in their 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 their 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 their 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 (7-12) Professional Educational Program

The degree of Bachelor of Science in Education (7-12): A student must complete the following program in addition to the General Studies and graduation literacy requirements, and either one field endorsement or one subject endorsement program:

Professional Education Courses

The following courses are prerequisites to the Professional Year (2.50 minimum G.P.A. required and no grade may be below a "C"):

| | | | | | |
|----------|---|-----|---|---|---|
| EDUC 131 | Intro to Teaching | 3 | SPED 230 | Intro Except Learner | 3 |
| EDUC 224 | Multimedia Support of Instruction/Learning | 2 | SPED 334 | Differ Instr for Diverse Classroom..... | 2 |
| EDUC 300 | Secondary Obs. Participation | 1-3 | At least one subject or field endorsement | | |
| PSYC 231 | Educ Psychology | 3 | Total | | |
| | | | 30-66 | | |
| | | | 44-82 | | |

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 (2.50 minimum G.P.A. required): refer to Application for Professional Year requirements.

Semester #1 – "Block"

| | | | | | |
|-----------|--|---|---|-----------------------------------|-----|
| EDUC 411s | Reading/Writing in the Content Areas | 1 | EDUC 418s | Secondary/MS Assessment..... | 1 |
| EDUC 412s | Curriculum & Standards, Secondary/MS .. | 1 | *EDUC 435(a-c) | Learning Methods..... | 1-2 |
| EDUC 414s | Secondary/MS Classroom Mgmt | 1 | SPED 412 | SPED Practices & Strategies | 1 |
| EDUC 415 | Human Relations/Multicultural..... | 1 | **Specialization Instruction (see course below) | 1-6 | |
| | | | Total | | |
| | | | 9-13 | | |

- *EDUC 435a Learning Methods for Social Sciences, history, Math, and Library Media (2 cr.)
 *EDUC 432b Learning Methods for Business, Art, Science, Family & Consumer Sci., Industrial Tech/DTE (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 431d Industrial Technology (DTE) endorsements (1 cr.)
 **EDUC 431e Library Media endorsement (1 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 English and Language Arts endorsements (3 cr.)
 **MUS 431A Elementary music endorsement (3 cr.)
 **MUS 431B Secondary 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 G.P.A. of 2.50 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 (2.50 G.P.A. required):

Field Endorsement Programs

Art
 Business Education
 Chemistry
 Family and Consumer Sciences Education
 Health and Physical Education
 Industrial Technology Education/Design & Tech Educ.
 Language Arts
 Library Media Specialist
 Mathematics
 Mild/Moderate Disabilities (SPED)
 Music
 Natural Science
 Physical Science
 Social Science

Subject Endorsement Programs

Basic Business
 Biology
 Career & Tech. Educ.*
 Coaching*
 Driver Education*
 Earth Science
 English
 Health
 History
 Library Media Specialist*
 Physical Education
 Physics
 Theatre
 Vocational Special Needs*
 Trade & Industrial Education (9-12)

*Supplemental Endorsements Programs: These programs do not stand alone, and must be completed in addition to either a subject or field endorsement program.

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 G.P.A. of 2.50 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 General Studies, graduation literacy and Middle Grades “Content Area Specialization” requirements.

Professional Education: The following courses are prerequisites to the Professional Year (2.50 minimum G.P.A. required and no grade may be below a “C”):

| | | | | | |
|----------|--|-----|---|---|---|
| EDUC 131 | Intro to Teaching | 3 | SPED 230 | Intro Exceptional Learner..... | 3 |
| EDUC 224 | Multimedia Support Instr/Learning..... | 2 | SPED 334 | Diff Instr for Diverse Classrooms | 2 |
| EDUC 320 | Elementary/MS Obs. & Participation.... | 1-3 | *One (1) Elementary Methods course, from below ... 2-3 | | |
| EDUC 433 | The Middle School..... | 3 | Specialization Instruction course in content areas (i.e. EDUC 431)..... | | |
| PSYC 231 | Ed Psychology..... | 3 | EDUC 431)..... | | |
| PSYC 334 | Developmental Psychology | | Content Area of Specialization from below..... | | |
| | OR | | Total | | |
| PSYC 336 | Adolescent Psychology | 3 | 59-64 | | |

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. (See Below)

| | | | | | |
|----------|-----------------------------------|---|----------|---------------------------------------|---|
| ART 334 | Art for Elem./MS Teacher..... | 3 | EDUC 323 | Teach Elem/MS Social Studies..... | 2 |
| EDUC 321 | Teach Elem/MS Mathematics | 2 | HPER 339 | Theory of Physical Educ K-8..... | 3 |
| EDUC 322 | Teach Elem/MS Language Arts | 2 | 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 | Family and Consumer Sciences |
| Business Education | Health and Physical Education |
| Design & Technology Education | Natural Sciences |
| Language Arts | Social Science |
| Mathematics | Special Education |

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 (2.50 minimum G.P.A. 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 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 #1/Option 2 – Secondary Block Route: Refer to Application for Professional Semester

| | | | | | |
|-----------|--|-----|-----------|---|-------|
| EDUC 411s | Reading/Writing in the Content Areas | 1 | SPED 412s | SPED Practices & Strategies | 1 |
| EDUC 412s | Curr. & Standards: Secondary/MS | 1-2 | | Specialization Instruction course (i.e., EDUC 431)..... | 1-3 |
| EDUC 414s | Secondary/MS Classroom Mgmt | 1 | | *An approved READ course (i.e., READ 430) | |
| EDUC 415 | Human Relations/Multicultural | 1 | | must also be completed prior to the Teacher | |
| EDUC 418s | Secondary/MS Assessment | 1 | | Internship (Student Teaching) semester | 3 |
| EDUC 435 | Learning Methods Sec/MS | 1-2 | | Total | 10-13 |

*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 G.P.A. of 2.50 required).

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 Middle Grade Endorsement students.

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 2.50 G.P.A. 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 General Studies program and graduation literacy requirements and one minor program of study OR an additional endorsement program:

Professional Education: The following courses are prerequisites to the Professional Year (2.50 minimum G.P.A. required no grade may be below a “C”):

| | | | | | |
|----------|---|-----|----------|---|-------|
| EDUC 131 | Intro to Teaching | 3 | PSYC 334 | Developmental Psychology | 3 |
| EDUC 224 | Multimedia Support of Instruction/Learning | 2 | SPED 230 | Intro to the Exceptional Learner | 3 |
| EDUC 320 | Elem/MS Obs & Participation | 1-3 | SPED 334 | Diff Instr for Diverse Classrooms | 2 |
| PSYC 231 | Educ Psychology | 3 | | Total | 17-19 |

Elementary Education Endorsement Courses:

| | | | | | |
|----------|---------------------------------------|---|-----------|--|----|
| ART 334 | Art for the Elem/MS Teacher | 3 | ENG 235 | Children’s Literature | 3 |
| EDUC 321 | Teach Elem/MS Mathematics | 2 | HPER 339 | Theory of Physical Educ K-8 | 3 |
| EDUC 322 | Teach Elem/MS Language Arts | 2 | MATH 235 | Math for the Elem Teacher I | 3 |
| EDUC 323 | Teach Elem/MS Social Studies | 2 | *MATH 335 | Math for the Elem Teacher II | 3 |
| | OR | | MUS 333 | Music for the Elementary Teacher | 3 |
| EDUC 361 | Integrated Elem/MS Core Methods | 6 | | 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

Elementary Minor OR Second Endorsement: Course requirements for the following minors and/or endorsements programs are listed in each departmental section of this catalog/bulletin. One minor OR a second endorsement is required (minimum 2.50 G.P.A. required). Three-fourths (75%) of the minor or second endorsement program course work must be completed prior to entry into the “Block” (first semester) of the professional year.

Potential Elementary Minors include:

| | |
|--------------------------------|-----------------------------------|
| Art | Mild/Moderate Disabilities (SPED) |
| Early Childhood | Physical Education |
| English | Science |
| Information Technology | Social Science |
| Library Information Management | Vocal Music |
| Mathematics | |

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 2.50 G.P.A. required): Refer to the Professional Year Application Requirements.

Semester #1 – “Block”:

| | | | |
|---|---|---|----|
| EDUC 413 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 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 Interning:

*The following courses may be taken only upon the successful completion of the above (Semester #1 “Block”) courses (minimum G.P.A. of 2.50 required):

| | |
|---|--|
| EDUC 480I Student Teaching Intermediate | EDUC 480P Student Teaching Primary |
| EDUC 480K Student Teaching K-12 | EDUC 480R Student Teaching M/M Handicapped |
| EDUC 480L Student Teaching K-6 | EDUC 480V Student Teaching M/M 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.

The Degree of Bachelor of Science in Elementary Education with a SUBJECT ENDORSEMENT IN EARLY CHILDHOOD EDUCATION (Birth through Grade 3):

It is strongly recommended that a student complete the following program in conjunction with a K-8 Elementary Education Endorsement program, in addition to the General Studies, graduation literacy and Professional Education program requirements.

| | | | |
|---|---|--|----|
| EDUC 231Play, Art & Music for Early Childhood..... | 3 | FCS 321aCurr Dev in Family & Con Sci Educ. | 2 |
| EDUC 232Sci., Math & Soc. Sci. for Early Child..... | 3 | FCS 332Family Studies | |
| EDUC 233Lit. & Lang. Arts for Early Childhood..... | 3 | OR | |
| FCS 139Human Development..... | 3 | FCS 335Families in Society..... | 3 |
| FCS 237Guid. Tech. in Human Relations..... | 3 | FCS 423Program Development & Mgmt..... | 3 |
| FCS 238Prenatal and Infant Develop. | 3 | FCS 448/448LEarly Childhood Practicum & Lab..... | 4 |
| FCS 239Partners in Early Childhood Educ..... | 3 | Total | 33 |

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.

MINOR in Early Childhood Education (K-8)

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

| | | | | | |
|----------|--|---|--------------|---|----|
| EDUC 231 | Play, Art & Music for Early Childhood | 3 | FCS 239 | Partners in Early Childhood Educ | 3 |
| EDUC 232 | Sci., Math & Soc. Sci. for Early Child | 3 | FCS 321a | Curr Dev in Family & Con Sci Educ | 2 |
| EDUC 233 | Lit. & Lang. Arts for Early Childhood | 3 | FCS 423 | Program Development & Mgmt | 3 |
| FCS 139 | Human Development | 3 | FCS 448/448L | Early Childhood Practicum & Lab | 4 |
| FCS 237 | Guid. Tech. in Human Relations | 3 | | Total | 27 |

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 their 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 Statement**

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 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 General Studies and graduation literacy requirements and a major or minor in another area. Students pursuing this major must complete ENG 233 as the General Studies Fine Arts requirement.

| | | | | | |
|---------|---|---|------------|---|----|
| ENG 232 | Hist. of Amer. Lit. (a) & (b)..... | 6 | ENG 440 | Theory & Practice of Literary Criticism ... | 3 |
| ENG 236 | Hist. of Eng. Lit. (a) & (b)..... | 6 | ENG 441 | English & American Novels | 3 |
| ENG 249 | Creative Writing (a) or (b) or (c)..... | 3 | Electives: | Upper Division Literature Courses | 9 |
| ENG 432 | Shakespeare..... | 3 | | Total | 36 |
| ENG 436 | World Literature..... | 3 | | | |

English majors considering a graduate program are encouraged to take ENG 400.

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN ENGLISH (7-12): A student must complete the following program in addition to the General Studies, graduation literacy and Professional Education requirements. Students pursuing this major must complete ENG 233 as the General Studies Fine Arts requirement. Students seeking the degree of Bachelor of Science in Education in any of the three English education programs must both hold a 3.0 G.P.A. in their English courses and receive a grade of “C” or above in all English classes in this endorsement.

| | | | | | |
|---------|---|---|---------|---|----|
| ENG 232 | Hist. of Amer. Lit. (a) & (b)..... | 6 | ENG 436 | World Literature..... | 3 |
| ENG 236 | Hist. of Eng. Lit. (a) & (b)..... | 6 | ENG 438 | Adolescent Literature..... | 3 |
| ENG 249 | Creative Writing: (a) or (b) or (c)..... | 3 | ENG 440 | Theory & Practice of Literary Criticism ... | 3 |
| ENG 320 | Grammar & Linguistics..... | 3 | ENG 441 | English & American Novels | 3 |
| ENG 331 | Theory & Practice of Teaching Writing.... | 3 | | Total | 36 |
| ENG 432 | Shakespeare..... | 3 | | | |

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.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN LANGUAGE ARTS (7-12): A student must complete the following program in addition to the General Studies, graduation literacy and Professional Education requirements. Students pursuing this major must complete ENG 233 as the General Studies Fine Arts requirement. Students seeking the degree of Bachelor of Science in Education in any of the three English education programs must both hold a 3.0 G.P.A. in their English courses and receive a grade of “C” or above in all English classes in this endorsement.

| | | | | | |
|---------|---|---|---------------|---|----|
| C A 130 | Interpersonal Communication | | ENG 436 | World Literature | 3 |
| | OR | | ENG 438 | Adolescent Literature | 3 |
| C A 346 | Intercultural Communications | 3 | ENG 440 | Theory & Pract. of Literary Criticism ... | 3 |
| C A 231 | Introduction to Desktop Publishing | | ENG 441 | English & American Novels..... | 3 |
| | OR | | READ 430 | Reading in the Middle/Sec Sch | 3 |
| C A 233 | Multimedia & Presentational Speaking | 3 | TH 134 | Principles of Acting..... | 3 |
| C A 333 | News Journalism..... | 3 | TH 159 & 159L | Technical Theatre and Lab | 3 |
| ENG 232 | Hist. of Amer. Lit. (a) & (b) | 6 | TH 237 | Beginning Directing | 3 |
| ENG 236 | Hist. of Eng. Lit. (a) & (b) | 6 | TH 336 | Theatre History I | |
| ENG 249 | Creative Writing: (a) or (b) or (c) | 3 | | OR | |
| ENG 320 | Grammar & Linguistics | 3 | TH 337 | Theatre History II | 3 |
| ENG 331 | Theory and Practice of | | Elective: | Upper Division Theatre Course..... | 3 |
| | Teaching Writing..... | 3 | | Total | 63 |
| ENG 432 | Shakespeare | 3 | | | |

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN LANGUAGE ARTS (GRADES 4-9): A student must complete the following program in addition to the General Studies, graduation literacy and Professional Education Middle Grades requirements and one other Content Area of Specialization for Middle Grades. Students pursuing this major must complete ENG 233 as the General Studies Fine Arts requirement. Students seeking the degree of Bachelor of Science in Education in any of the three English education programs must both hold a 3.0 G.P.A. in their English courses and receive a grade of "C" or above in all English classes in this area of specialization.

| | | | | | |
|---------|---|---|---------|----------------------------|----------|
| ENG 232 | Hist. of Amer. Lit. (a) & (b)..... | 6 | ENG 432 | Shakespeare..... | 3 |
| ENG 320 | Grammar & Linguistics..... | 3 | ENG 438 | Adolescent Literature..... | <u>3</u> |
| 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 in English

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

| | | | | | |
|----------|---------------------------------|---|--|------------|-----------|
| PHIL 231 | Introduction to Philosophy..... | 3 | PHIL 333 | Logic..... | 3 |
| PHIL 233 | Chinese Philosophy..... | 3 | *Electives (At least 3 hours of upper division hrs.) | | <u>12</u> |
| | | | | Total | 21 |

*Chosen from the following courses: CA 260; ENG 343, 440; HUM 332, 335; MATH 327; PHIL 432, 433, 435; PS 431.

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

| | | | | | |
|---------|--|---|---|---|----------|
| ENG 232 | History of Amer. Lit. (a) or (b)..... | 3 | ENG 436 | World Literature..... | 3 |
| ENG 236 | History of Eng. Lit. (a) or (b)..... | 3 | ENG 440 | Theory & Practice of Literary Criticism.. | 3 |
| ENG 249 | Creative Writing: (a) or (b) or (c)..... | 3 | Electives: Upper Division Literature Courses..... | | <u>6</u> |
| | | | Total | | 21 |

English (K-8): A student must complete the following program in addition to the General Studies and Professional Education, Elementary Education requirements.

| | | | | | |
|---------|--|---|---------|--|----------|
| ENG 232 | History of American Literature (a) & (b) | 6 | ENG 331 | Theory & Practice of Teaching Writing .. | 3 |
| ENG 233 | Elements of Lit..... | 3 | ENG 438 | Adolescent Literature..... | <u>3</u> |
| ENG 249 | Creative Writing: (a) or (b) or (c)..... | 3 | | Total | 21 |
| ENG 320 | Grammar & Linguistics..... | 3 | | | |

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

| | | | | |
|---------|--|---|---|----------|
| ENG 249 | Creative Writing: (a) or (b) or (c)..... | 6 | *Electives (At least 3 hours of upper division hrs.)..... | <u>9</u> |
| ENG 320 | Grammar and Linguistics..... | 3 | Total | 21 |
| ENG 400 | Independent Study..... | 3 | | |

*Chosen from the following courses: CA 133, 333; ENG 249 a, b, or c, 331, 440; HIST 436; LS 238

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.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN FAMILY AND CONSUMER SCIENCES: A student must complete the General 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

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

Child and Family Studies Option

| | | | | | |
|-------------------------|--|----|--|---|---|
| Core Requirements | | 20 | FCS 239 | Partners in Early Childhood Education ... | 3 |
| FCS 236 | Food & Meals Across the Lifespan | 3 | *Select one of the following two focus areas | | |
| FCS 237 | Guidance Tech in Human Relations..... | 3 | Total | | |
| FCS 238 | Prenatal & Infant Development..... | 3 | 50 | | |

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

Child Studies

| | | | | | |
|----------|--|---|--------------|--|---|
| EDUC 231 | Play, Art, Music for Early Childhood | 3 | FCS 423 | Program Development & Management... | 3 |
| EDUC 232 | Sci, Math, and Soc Sci for Early Child OR | | FCS 448/448L | Early Childhood Practicum & Lab | 4 |
| EDUC 233 | Lit & Lang Arts for Early Childhood..... | 3 | SPED 230 | Introduction to the Exceptional Learner .. | 3 |
| FCS 321a | Curriculum Development in FCS..... | 2 | Total | | |
| | | | 18 | | |

Family Studies

| | | | | | | |
|---------|-------------------------------------|---|---------|--|-------|----|
| CTE 431 | Introduction to Special Needs | 3 | FCS 437 | Family Strengths | 3 | |
| FCS 335 | Families in Society | 3 | FCS 457 | Nutrition for Community Wellness | 3 | |
| FCS 390 | Internship | 3 | LS 236 | Family Law | 3 | |
| | | | | | Total | 18 |

Recommended Electives: CA 230; BIS 100; HPER 226, MKTG 160; SPED 332, 334

Design & Merchandising Option

| | | | | | |
|-------------------------|--------------------------------------|---------|--|------------------|----|
| Core Requirements | 20 | FCS 341 | Textiles..... | 4 | |
| FCS 135 | Alteration & Construction Tech | 3 | FCS 390 | Internship | 3 |
| FCS 224 | Housing and Interior Design | 2 | Choose 12 hrs. of electives from below | 12 | |
| FCS 340 | Current Trends in Design | 3 | Total | | 48 |

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

| | | | | | |
|---------|--------------------------------------|---|----------|---|---|
| ART 229 | Introduction to Graphic Design | 3 | DTE 360b | Residential & Commercial Planning | 3 |
| ART 233 | Introductory Photography | 3 | DTE 360c | Architectural Design | 3 |
| ART 323 | Creative Photography | 3 | DTE 360l | Landscape Design | 3 |
| ART 331 | Watercolor..... | 3 | MKTG 230 | Principles of Management..... | 3 |
| ART 338 | Art History Survey I OR | | MKTG 231 | Principles of Marketing..... | 3 |
| ART 339 | Art History Survey II OR | | MKTG 331 | Sales Techniques..... | 3 |
| ART 340 | Twentieth Century Art Survey | 3 | MKTG 338 | Buyer Behavior | 3 |
| BA 337 | Business Law | 3 | MKTG 334 | Entrepreneurship – Imagination/Opp | 3 |
| BA 432 | Business Ownership | 3 | MKTG 335 | Entrepreneurship – Business Start Up..... | 3 |
| | | | MKTG 336 | Entrepreneurship – Promotions & Adv ... | 3 |

Health and Human Services Option

| | | | | | |
|-------------------------|--|---------|-----------------------------------|--|----|
| Core Requirements | 20 | FCS 467 | Epidemiology & Global Health..... | 3 | |
| CTE 431 | Intro to Special Needs Prog in CTE | 3 | LS 235 | Administrative Law OR | |
| FCS 234 | Intro to Health & Human Services | 3 | LS 236 | Family Law | 3 |
| FCS 390 | Internship in FCS | 3 | MATH 232 | Applied Statistics OR | |
| FCS 427 | Worksite Wellness | 3 | PSYC 242 | Intro to Research Methods & Statistics | 3 |
| FCS 434 | Issues in Health & Human Ser | 3 | Total | | 50 |
| FCS 437 | Family Strengths | 3 | | | |
| FCS 457 | Nutrition for Community Wellness..... | 3 | | | |

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

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

| | | | | | |
|-------------------------|---|---------|--------------------------------------|--|----|
| Core Requirements | 20 | FCS 447 | Nutrition for Sport & Wellness | 3 | |
| CA 353 | Health Communications | 3 | FCS 457 | Nutrition for Community Wellness | 3 |
| FCS 151 | Foundations of Nutrition & Metabolism | 3 | FCS 467 | Epidemiology & Global Health..... | 3 |
| FCS 236 | Food & Meals Across the Lifespan..... | 3 | HPER 124 & 124L | Anatomical Kinesiology & Lab | 2 |
| FCS 390 | Internship in FCS | 3 | HPER 232 & 232L | Physiological Kinesiology & Lab | 3 |
| FCS 417 | Lifespan Wellness | 3 | HPER 336 | Fitness Evaluation & Prescription..... | 3 |
| FCS 427 | Worksite Wellness | 3 | Total | | 55 |

Note: Students pursuing this option MUST take CHEM 121 or CHEM 140 & 140L as their Physical Science General Studies requirement; BIOL 121 & 121L as their Biology General Studies Requirement; FCS 436 as one of their Global Social Awareness General Studies Requirements; AGRI 431 as one of their Global Social Awareness General Studies Requirements.

*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 General Studies, graduation literacy and Professional Education requirements in addition to the following field endorsement courses:

| | | | | | |
|---------|--|---|---------|---|----|
| CTE 434 | Prin & Philosophy of CTE | 3 | FCS 335 | Families in Society | 3 |
| CTE 438 | Coord. Tech & Work Based Learning..... | 3 | FCS 340 | Current Trends in Design | 1 |
| FCS 122 | Perspectives in Family & Con. Sci..... | 2 | FCS 341 | Textiles..... | 4 |
| FCS 135 | Alteration & Construction Tech | | FCS 417 | Lifespan Wellness | 3 |
| | OR | | FCS 421 | Organization, Admin & Curr of FCS | 2 |
| FCS 224 | Housing and Interior Design | 3 | FCS 422 | Professional Career Development | 2 |
| FCS 139 | Human Development | 3 | FCS 435 | Consumer Science | 3 |
| FCS 236 | Food & Meals Across the Lifespan | 3 | FCS 437 | Family Strengths | 3 |
| FCS 247 | Nutrition | 3 | FCS 447 | Nutrition for Sport & Wellness | |
| FCS 314 | Future Focus..... | 1 | | OR | |
| FCS 320 | Aging and Death | 3 | FCS 457 | Nutrition for Community Wellness | 3 |
| FCS 331 | Resource Management | 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 General Studies, graduation literacy, Professional Education, Middle Grades requirements and another Content Area of Specialization in Middle Grades.

| | | | | | |
|---------|--|---|---------|---------------------------|----|
| FCS 139 | Human Development | 3 | FCS 331 | Resource Management | 3 |
| FCS 236 | Food & Meals Across the Lifespan | 3 | FCS 435 | Consumer Science | 3 |
| FCS 247 | Nutrition | 3 | FCS 437 | Family Strengths | 3 |
| | | | | Total | 18 |

The Degree of Bachelor of Science in Education with an EARLY CHILDHOOD EDUCATION UNIFIED FIELD ENDORSEMENT (Birth through Grade 3): This endorsement qualifies teachers to teach Early Childhood and/or special education from birth through grade 3. A student must complete the following program requirements in addition to the General Studies program, graduation literacy and Professional Education Program course requirements:

Professional Education Courses: The following courses are prerequisites to the Professional Year (2.50 minimum G.P.A. required; no grade may be below a “C”):

| | | | | | |
|----------|----------------------------------|-----|----------|---|-------|
| EDUC 131 | Intro to Teaching | 3 | PSYC 334 | Developmental Psychology..... | 3 |
| EDUC 224 | Multimedia Support of | | SPED 230 | Intro Except Learner | 3 |
| | Instruction/Learning | 2 | SPED 334 | Diff Instr for Diverse Classrooms | 2 |
| EDUC 320 | Elem/MS Obs & Participation..... | 1-3 | | Total | 14-16 |

Early Childhood Education Unified Endorsement Courses: The following courses are prerequisites to the Professional Year (2.50 minimum G.P.A. required and no grade below a “C”):

| | | | |
|----------|--|--------------|---|
| EDUC 231 | Play, Art & Music for Early Childhood ..3 | FCS 448/448L | Early Childhood Practicum & Lab.....4 |
| EDUC 232 | Sci, Math & Soc Sci for Early Child .....3 | SPED 232 | Interpersonal Communication Skills |
| EDUC 233 | Lit & Language Arts for Early Child .....3 | | OR |
| EDUC 321 | Teach Elem/MS Math .....2 | FCS 239 | Partners in Early Child Educ.....3 |
| FCS 139 | Human Development .....3 | SPED 316 | Micro Teaching in Preschool 1 |
| FCS 237 | Guidance Tech in Human Relations.....3 | SPED 332 | Language & Learning Disorders.....3 |
| FCS 238 | Prenatal & Infant Development.....3 | SPED 337 | Program Dev, Implem, & Mgmt.....3 |
| FCS 321a | Curriculum Development.....2 | SPED 435 | Assessment Indiv. Mild/Mod. Disabil ....3 |
| FCS 423 | Program Development & Management...3 | SPED 438 | Consultation/Collaboration .....3 |
| | | | Total 45 |

Professional Year Courses: (two semesters) comprised of “Block”-Professional Semester, and the Teacher Internship Experience Semester (Student Teaching): The following courses can be taken only as part of the Professional Year (2.50 minimum G.P.A. required): Refer to Application for Admission Requirements for the Professional Year.

Semester #1 - “Block”:

| | | | |
|----------|-------------------------------------|----------|--------------------------------------|
| EDUC 413 | Elem/MS Curr & Counseling.....1 | EDUC 417 | Teach Reading Diagnosis.....1 |
| EDUC 414 | Classroom Mgmt.....1 | EDUC 422 | Teach Elem/MS Science & Health.....2 |
| EDUC 415 | Human Relations/Multicultural.....1 | EDUC 423 | Teach Primary Reading.....2 |
| EDUC 416 | Elem/MS Assessment.....1 | EDUC 424 | Teach Intern. Reading .....2 |
| | | | Total 11 |

Semester #2 - Teacher Internship:

EDUC 480P, Teacher Internship Primary and EDUC 480R, Teacher Internship Early Childhood Education Unified can be taken only upon successful completion of the above (Semester #1- “Block”) courses (minimum G.P.A. of 2.50 required).

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.

MINORS in Family and Consumer Sciences

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 .....3 |
| FCS 238 | Prenatal & Infant Development.....3 | | Total 18 |
| FCS 320 | Aging and Death .....3 | | |

Nutrition and Wellness:

| | | | |
|---------|---|---------|---|
| FCS 236 | Food & Meals Across the Lifespan .....3 | FCS 427 | Worksite Wellness 3 |
| FCS 247 | Nutrition .....3 | FCS 447 | Nutrition for Sport & Wellness 3 |
| FCS 417 | Lifespan Wellness .....3 | FCS 457 | Nutrition for Community Wellness..... 3 |
| | | | Total 18 |

Textiles and Fashion:

| | | | |
|---------|--------------------------------------|----------|---------------------------------|
| FCS 135 | Alteration & Construction Tech.....3 | FCS 340 | Current Trends in Design .....3 |
| FCS 224 | Housing & Interior Design.....3 | FCS 341 | Textiles.....4 |
| FCS 331 | Resource Management .....3 | MKTG 231 | Principles of Marketing.....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 335 | Families in Society | 3 | |
| FCS 331 | Resource Management | 3 | FCS 437 | Family Strengths | 3 | |
| | | | | | Total | 12 |

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

| | | | | | | |
|---------|---------------------------------------|---|---------|-------------------------------------|-------|----|
| FCS 139 | Human Development | 3 | FCS 238 | Prenatal & Infant Development..... | 3 | |
| FCS 237 | Guidance Tech in Human Relations..... | 3 | FCS 239 | Partners in Early Childhood Ed..... | 3 | |
| | | | | | Total | 12 |

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

| | | | | | | |
|---------|--|---|---------|---------------------------------------|---|----|
| FCS 236 | Food & Meals Across the Lifespan | 3 | FCS 447 | Nutrition for Sport & Wellness | 3 | |
| FCS 247 | Nutrition | 3 | FCS 457 | Nutrition for Community Wellness..... | 3 | |
| FCS 417 | Lifespan Wellness | 3 | 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 objectives 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.

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 objectives
 - 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.

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 General 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

| | | | | | |
|----------|---------------------------------|---|----------|--------------------------------|----------|
| ACTG 241 | Accounting Principles I..... | 3 | HPER 335 | Org & Admin of HPER..... | 3 |
| BA 331 | Business Communications | 3 | HPER 490 | Internship | 3 |
| HPER 226 | Safety and First Aid | 2 | MGMT 230 | Principles of Management | 3 |
| HPER 234 | Introduction to Recreation..... | 3 | MIS 332 | Decision Support Tools..... | 3 |
| HPER 333 | Leadership in Recreation..... | 3 | MKTG 231 | Principles of Marketing..... | 3 |
| | | | | | Total 29 |

Exercise Science Option

| | | | |
|--|----|---|---|
| Core Requirements | 29 | *HPER 314 Water Safety Instruction | 1 |
| FCS 247 Nutrition | 3 | HPER 326 Motor Skill Learning..... | 2 |
| HPER 119 Aerobics | 1 | HPER 336 Fitness Eval & Exercise Prescription | 3 |
| HPER 124 & 124L Anatomical Kinesiology & Lab | 2 | *HPER 429 Basic Movement | 3 |
| HPER 216 Weight Training | 1 | *HPER 439 & 439L Biomechanics of Sports & Lab | 3 |
| *HPER 217 Lifeguard Training | 1 | HPER 440 Prevention & Care of Athletic Injuries ... | 3 |
| *HPER 232 & 232L Phys Kinesiology & Lab | 3 | ..... |  |

Outdoor Adventure Option

| | | | |
|--|----|---|---|
| Core Requirements | 29 | *HPER 217 Lifeguard Training | 1 |
| AGRI 235 Intro to Wildlife Management..... | 3 | HPER 221 Camp Counseling..... | 2 |
| GEOS 137 Environmental Geology | 3 | *HPER 314 Water Safety Instruction | 1 |
| HPER 102 Archery/Riflery/Skeet & Trap Shooting ... | 1 | HPER 422 Introduction to Adapted PE..... | 3 |
| HPER 114 Canoeing/Casting & Angling..... | 2 | HPER 436 Outdoor Adventure Skills | 3 |
| HPER 203 Orienteering & Backpacking..... | 1 | *HPER 437 Legal Aspects of Sports & Rec | 3 |
| | | | |

Sport Leadership Option

| | | | |
|---|----|--|----|
| Core Requirements | 29 | HPER 437 Legal Aspects of Sports & Rec | 3 |
| FCS 247 Nutrition | 3 | HPER 440 Prevention & Care of Ath Injuries | 3 |
| HPER 124 & 124L Anatomical Kinesiology & Lab | 2 | HPER 453 Sports Officiating..... | 3 |
| HPER 220 Theory of Coaching..... | 2 | *Electives in Coaching (321, 322, 323, 423, | |
| HPER 336 Fitness Eval & Exercise Prescription | 3 | 424, 425, 426) | 6 |
| HPER 421 Phil & Psyc Found of Sport..... | 2 | Total | 56 |

*Requires a Prerequisite

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 General Studies, graduation literacy and Professional Education Requirements for a Secondary Endorsement. Students pursuing this major must complete HPER 233 as the Health/Wellness General Studies requirement.

| | | | |
|--|---|---|----|
| FCS 337 Nutrition | 3 | HPER 326 Motor Skill Learning | 2 |
| HPER 122 Foundations of Health & PE..... | 2 | HPER 335 Org & Admin of HPER & Athletics..... | 3 |
| HPER 124 & 124L Anatomical Kinesiology & Lab | 2 | HPER 339 Theory of Physical Education K-8 | 3 |
| HPER 214 Advanced Swimming | | HPER 422 Intro to Adapted PE..... | 3 |
| OR | | HPER 427 Elementary Rhythmics | 2 |
| *HPER 217 Red Cross Lifeguard Training | | *HPER 428 Curriculum in Health Education..... | 2 |
| OR | | HPER 429 Basic Movement Educ for Children | 2 |
| *HPER 314 Red Cross Water Safety Instruction..... | 1 | HPER 431 Community & Environmental Health..... | 3 |
| HPER 226 Safety & First Aid..... | 2 | HPER 432 Tests & Measurements in PE | 3 |
| *HPER 232 & 232L Phys Kinesiology & Lab | 3 | HPER 435 Curriculum Planning in PE..... | 3 |
| HPER 236 Health Topics..... | 3 | *HPER 439 & 439L Biomechanics of Sports & Lab | 3 |
| HPER 313 Tumbling | 1 | PSYC 131 General Psychology..... | 3 |
| HPER 325 Teaching Individual & Dual Sports..... | 3 | Total | 52 |

*Requires a Prerequisite

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 General Studies, graduation literacy and Professional Education Requirements, including EDUC 431C Special Methods.

| | | | | | |
|------------------|---|---|-----------------|--|----|
| HPER 122 | Foundations of Health & PE..... | 2 | HPER 326 | Motor Skill Learning | 2 |
| HPER 124 & 124L | Anatomical Kinesiology & Lab | 2 | HPER 335 | Org & Admin of HPER & Athletics..... | 3 |
| HPER 214 | Advanced Swimming | | HPER 339 | Theory of Physical Education K-8 | 3 |
| | OR | | HPER 422 | Intro to Adapted PE..... | 3 |
| *HPER 217 | Red Cross Lifeguard Training | | HPER 427 | Elementary Rhythmic..... | 2 |
| | OR | | HPER 429 | Basic Movement Educ for Children | 2 |
| *HPER 314 | Red Cross Water Safety Instruction..... | 1 | HPER 432 | Test & Measurements in PE..... | 3 |
| HPER 226 | Safety & First Aid..... | 2 | HPER 439 & 439L | Biomechanics of Sports & Lab | 3 |
| *HPER 232 & 232L | Phys Kinesiology & Lab | 3 | | Total | 32 |
| HPER 313 | Tumbling..... | 1 | | | |

*Requires a Prerequisite

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 General Studies, graduation literacy and Professional Education Requirements.

| | | | | | |
|------------------|------------------------------------|---|------------------|--|----|
| HPER 122 | Foundations of Health & PE..... | 2 | HPER 325 | Teaching Individual & Dual Sports..... | 3 |
| HPER 124 & 124L | Anatomical Kinesiology & Lab | 2 | HPER 326 | Motor Skill Learning | 2 |
| HPER 214 | Advanced Swimming | | HPER 335 | Org & Admin of HPER & Athletics..... | 3 |
| | OR | | HPER 422 | Intro to Adapted PE..... | 3 |
| *HPER 217 | Red Cross Lifeguard Training | | HPER 427 | Elementary Rhythmics | 2 |
| | OR | | HPER 432 | Tests & Measurements in PE | 3 |
| *HPER 314 | Red Cross Water Safety Inst..... | 1 | HPER 435 | Curriculum Planning in PE..... | 3 |
| HPER 226 | Safety & First Aid..... | 2 | *HPER 439 & 439L | Biomechanics of Sports & Lab | 3 |
| *HPER 232 & 232L | Phys Kinesiology & Lab | 3 | | Total | 33 |
| HPER 313 | Tumbling | 1 | | | |

*Requires a Prerequisite

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 General Studies, graduation literacy and Professional Education requirements. Students pursuing this major must complete HPER 233 as the Health/Wellness General Studies requirement.

| | | | | | |
|------------------|------------------------------------|---|-----------|---------------------------------------|----|
| FCS 320 | Aging and Death..... | 3 | HPER 335 | Org & Admin of HPER & Athletics..... | 3 |
| FCS 337 | Nutrition | 3 | *HPER 428 | Curriculum in Health Education..... | 3 |
| HPER 122 | Foundations of Health & PE..... | 2 | HPER 431 | Community & Environmental Health..... | 3 |
| HPER 124 & 124L | Anatomical Kinesiology & Lab | 2 | PSYC 131 | General Psychology..... | 3 |
| HPER 226 | Safety & First Aid..... | 2 | FCS 332 | Family Studies | |
| *HPER 232 & 232L | Phys Kinesiology & Lab | 3 | | Total | 33 |
| HPER 236 | Health Topics..... | 3 | | | |

*Requires a Prerequisite

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, General Studies and graduation literacy requirements.

| | | | | | | |
|----------|---------------------------------------|---|--|--|-------|----|
| HPER 226 | Safety & First Aid | 2 | HPER 339 | Theory of Physical Education K-8 | 3 | |
| HPER 313 | Tumbling..... | 1 | HPER 422 | Intro to Adapted PE..... | 3 | |
| HPER 326 | Motor Skill Learning..... | 2 | HPER 432 | Tests & Measurements in PE | 3 | |
| HPER 335 | Org & Admin of HPER & Athletics | 3 | Elective in Team Sport Activity Classes..... | <u>1</u> | | |
| | | | | | Total | 18 |

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

| | | | | | | |
|-----------|---------------------------------------|---|---|---|-------|----|
| 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 | HPER 490 | Internship..... | 3 | |
| *HPER 421 | Phil & Psyc Foundation of Sport..... | 2 | Electives in Coaching (HPER 321, 322, 323, 423,424, 425, 426) | <u>6</u> | | |
| *HPER 437 | Legal Aspects of Sports & Rec | 3 | | | | |
| | | | | | Total | 27 |

*Requires a Prerequisite

MINORS in Health, Physical Education, and Recreation

Exercise Science:

| | | | | | | |
|-----------------|------------------------------------|---|------------------|---|----------|----|
| FCS 247 | Nutrition | 3 | *HPER 217 | Red Cross Lifeguard Training..... | 1 | |
| HPER 122 | Foundations of Health & PE | 2 | *HPER 232 & 232L | Phys Kinesiology & Lab | 3 | |
| HPER 119 | Aerobics Dance | 1 | HPER 314 | Red Cross Water Safety Instruction..... | 1 | |
| HPER 124 & 124L | Anatomical Kinesiology & Lab | 2 | HPER 336 | Fitness Eval & Exercise Prescription..... | 1 | |
| HPER 216 | Weight Training | 1 | *HPER 439 & 439L | Biomechanics of Sports & Lab | <u>3</u> | |
| | | | | | Total | 20 |

*Requires a Prerequisite

Outdoor Adventure:

| | | | | | | |
|----------|-------------------------------------|---|-----------|---|----------|----|
| HPER 102 | Riflery/Skeet & Trap Shooting | 1 | HPER 226 | Safety & First Aid..... | 2 | |
| HPER 114 | Canoeing/ Casting & Angling..... | 2 | HPER 234 | Introduction to Recreation | 3 | |
| HPER 203 | Orienteering & Backpacking..... | 1 | HPER 314 | Red Cross Water Safety Instruction..... | 1 | |
| HPER 217 | Red Cross Lifeguard Training..... | 1 | HPER 422 | Introduction to Adapted PE..... | 3 | |
| HPER 221 | Camp Counseling..... | 2 | *HPER 436 | Outdoor Adventure Skills | <u>3</u> | |
| | | | | | Total | 19 |

*Requires a Prerequisite

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)..... | <u>4</u> | | |
| *HPER 421 | Phil & Psyc Foundation of Sport..... | 2 | | | | |
| *HPER 437 | Legal Aspect of Sports & Rec..... | 3 | | | | |
| | | | | | Total | 22 |

*Requires a Prerequisite

Physical Education (K-8): The student must complete the following program (with a minimum G.P.A. 2.50) in addition to the General Studies and Professional Education Requirements for Elementary Education.

| | | | | | |
|-----------|-----------------------------------|---|----------|---------------------------------------|----|
| HPER 122 | Foundations of Health & PE | 2 | HPER 313 | Tumbling..... | 1 |
| HPER 214 | Advanced Swimming | | HPER 326 | Motor Skill Learning..... | 2 |
| OR | | | HPER 335 | Org & Admin of HPER & Athletics | 3 |
| *HPER 217 | Red Cross Lifeguard Training | | HPER 339 | Theory of Physical Education K-8..... | 3 |
| OR | | | HPER 427 | Elementary Rhythmics..... | 2 |
| *HPER 314 | Red Cross Water Safety Inst | 1 | HPER 429 | Basic Movement Educ for Children..... | 2 |
| HPER 226 | Safety & First Aid | 2 | HPER 435 | Curriculum Plan in PE | 3 |
| | | | | Total | 21 |

*Requires a Prerequisite

HISTORY

Student Learning Outcomes

- Students will synthesize and summarize in an articulate manner the genesis of the world's major religious traditions and will recognize and explain in writing the continuing influence of historical religious traditions upon societies.
- Students will identify and relate the causes and consequences of the major turning points in world history, including but not limited to the Rise and Fall of Rome, the Scientific Revolution, the Industrial Revolution, the Great Depression, World Wars I and II, and the Cold War.
- Students will articulate theories of causation in the emergence and fall of the world's major civilizations.
- Students will articulate and demonstrate with examples the contributions of major world civilizations to history and to state the relevance of these examples to the current world.
- Students will verbally and in writing generalize and demonstrate with examples major trends in political, social, and economic thought in history.
- Students will demonstrate knowledge of the spatial and physical locations of regions of the World from an historical perspective by passing map exercises in each of the courses offered at the 200 level.
- Students will recognize and associate the various verbal languages and written scripts which have formed a basis for societies and served as a transmission of their cultures.

The Degree of Bachelor of Arts with a SUBJECT MAJOR IN HISTORY: A student must complete the following program, the General Studies requirements, graduation literacy requirement and a major or minor in another discipline. HIST 231 and HIST 232 must be taken to satisfy the General Studies History requirements, in addition to the 36 hours listed below.

| | | | | | |
|----------|---------------------------------|---|---|-------------------------------------|----|
| HIST 233 | Western Civilization I | 3 | HIST 331 | Latin American History | 3 |
| HIST 234 | Western Civilization II | 3 | HIST 435 | History of Historical Writing | 3 |
| HIST 321 | History of the Pacific Rim..... | 3 | Upper division electives in History | <u>21</u> | |
| | | | | 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 General Studies, graduation literacy and Professional Education requirements.

| | | | | | |
|----------|---------------------------------|---|-------------------------------------|------------------------------|----|
| HIST 231 | U.S. History to 1877..... | 3 | HIST 331 | Latin American History | 3 |
| HIST 232 | U.S. History since 1877 | 3 | Electives in U.S. History | 9 | |
| HIST 233 | Western Civilization I | 3 | Electives in World History | 6 | |
| HIST 234 | Western Civilization II | 3 | Electives in Political Science..... | <u>6</u> | |
| HIST 321 | History of the Pacific Rim..... | 3 | | Total | 39 |

MINOR in History

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

| | | | | | |
|----------|-------------------------------|---|----------|---|----|
| HIST 231 | U.S. History to 1877..... | 3 | HIST 234 | Western Civilization II..... | 3 |
| HIST 232 | U.S. History since 1877 | 3 | | Upper division electives in History | 9 |
| HIST 233 | Western Civilization I | 3 | | Total | 21 |

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.

Degree Requirements

| | |
|---|-----|
| General Studies..... | 47 |
| Courses selected in consultation with academic advisor (a minimum of 45 hours must be 300 or 400 level courses)..... | 78 |
| Minimum Total Credit Hours | 125 |

Special Requirements

- Application for the Bachelor of Arts with a Comprehensive Major in Interdisciplinary Studies **must** be made to the Assistant Vice President for Extended Campus Programs prior to completing 90 semester hours of college credit.
- At least 42 of the total semester hours must be taken through traditional classroom, interactive television, or online (Internet-based) instruction. The balance may be obtained through correspondence, 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.
- Graduation literacy requirement
- Following acceptance into the program, students must meet with the Assistant Vice President for Extended Campus Programs or designated academic advisor to complete an official plan of study.

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.
- Identify the principal components of the criminal justice system and recognize 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.
- Understand the importance of ethics and ethical behavior in the pursuit of justice.
- Recognize issues related to effective policing in American society.
- Possess a foundational knowledge in the principles of scientific investigation of crime.
- Demonstrate an understanding of 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.
- Recognize 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 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.
- Understand the ethical dimensions of the paralegal profession.
- Demonstrate appropriate and effective legal research and writing skills.
- Demonstrate a basic knowledge of the fundamentals of law office organization, accounting systems, 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 General Studies and graduation literacy 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* | ..... |  |  |
| 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 | | | Total | 57 |
| CJ 436 | Seminar: Comparative CJ..... | 3 | | | | |

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

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

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

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

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: Student must complete the following in addition to the General Studies and graduation literacy requirements.

Core Requirements

| | | | | | | |
|----------|-------------------------------------|---|-------------------|---|-------|----|
| ACTG 241 | Accounting Principles I..... | 3 | LS 338 | Legal Research & Writing II..... | 3 | |
| LS 231 | Introduction to Legal Studies | 3 | LS 390 | Internship | 3 | |
| LS 232 | Litigation/Civil Procedures | 3 | LS 436 | Ethics/Professional Responsibility..... | 3 | |
| LS 238 | Legal Research & Writing I | 3 | Commercial Focus* | ..... | 9 | |
| LS 337 | Introduction to Law..... | 3 | Litigation Focus* | ..... | 9 | |
| | | | Public Law Focus* | ..... | 9 | |
| | | | | | Total | 51 |

***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 General 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 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 General 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 hours in each of the focus areas (Commercial, Litigation, and Public Law) as outlined in the description of the Legal Studies major program. | | | | | |
| | | | | | 9 |
| | | | | | Total 21 |

Academic Certificate Program

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 | LS 436 | Ethics/Professional Responsibility..... | 3 |
| LS 238 | Legal Research and Writing I..... | 3 | Elective I* | ..... | 3 |
| LS 338 | Legal Research and Writing II | 3 | Elective II** | ..... | 6 |
| | | | | | Total 21 |

*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

LIBRARY INFORMATION MANAGEMENT

Mission

The mission of the Library Media Program is to prepare students to be professional librarians for careers in the library and information sciences through the use of online instruction. Students are given the tools, knowledge and skills to select and organize materials, provide information, and manage different types of libraries and media centers to meet the needs of the High Plains Region.

Student Learning Outcomes

Upon completion of this program, students will be able to:

- Adapt and apply the principles of collection development, cataloging, reference, management, and assessment in library environments.
- Describe formats of information sources with diverse points of view and discuss the legal and ethical responsibilities of providing access.
- Apply traditional and innovative technologies to support library services.
- Describe professional attitudes and philosophies of service needed to meet the information needs of diverse populations.

The Degree of Bachelor of Arts with a MAJOR IN LIBRARY INFORMATION MANAGEMENT: A student must complete the following program in addition to the General Studies and graduation literacy requirements and a major or minor in another program of study. Nebraska Community Colleges Library Technology Assistant (LTA) classes are accepted as introductory classes.

| | | | | | |
|---------|---|---|---------|--|----------|
| BIS 100 | Principles of Computer Systems | 3 | LMS 333 | Library Administration..... | 3 |
| BIS 130 | Principles of Information Systems | 3 | LMS 334 | Information Resources | 3 |
| BIS 230 | Web Page Development..... | 3 | LMS 335 | Selection & Assessment of Resources..... | 3 |
| BIS 331 | Database Management | 3 | LMS 434 | Electronic Information Technology..... | 3 |
| LMS 150 | Introduction to Libraries..... | 3 | LMS 439 | Procedures & Practice in LM | 3 |
| LMS 332 | Organization of Resources | 3 | | | Total 33 |

The degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN LIBRARY MEDIA SPECIALIST (GRADES K-12): A student must either currently hold a teaching certificate or concurrently earn a

field or subject endorsement in another area and complete the following program with a minimum G.P.A. of 2.50, complete the General Studies, graduation literacy and Professional Education requirements:

| | | | | | |
|---------|---|---|---------|---|----|
| BIS 130 | Principles of Information Systems | 3 | LMS 333 | Library Administration..... | 3 |
| BIS 230 | Web Page Development | 3 | LMS 334 | Information Resources | 3 |
| ENG 235 | Children's Literature | 3 | LMS 335 | Selection & Assessment of Resources | 3 |
| ENG 438 | Adolescent Literature | 3 | LMS 434 | Electronic Information Technology | 3 |
| LMS 150 | Introduction to Libraries..... | 3 | LMS 439 | Procedures & Practice in LM | 3 |
| LMS 332 | Organization of Resources | 3 | | Total | 33 |

*Includes completion of EDUC 431e Special Methods.

Students from outside of Nebraska are not required to hold a teaching certificate, be concurrently enrolled in a field or subject endorsement in another area, or complete CSC Professional Education requirements, but should confirm certification requirements with the Department of Education in their state of residence prior to enrollment.

MINORS in Library Information Management

Library Information Management: The student must complete the following program in addition to a major and the General Studies requirements.

| | | | | | |
|---------|---|---|---------|--|----|
| BIS 100 | Intro to Computer App | 3 | LMS 332 | Organization of Resources | 3 |
| BIS 130 | Principles of Information Systems | 3 | LMS 334 | Information Resources | 3 |
| BIS 230 | Web Page Development | 3 | LMS 434 | Electronic Information Technology..... | 3 |
| LMS 150 | Introduction to Libraries..... | 3 | | Total | 21 |

Library Media Specialist (K-8): A student must complete the following program with a minimum G.P.A. of 2.50 in addition to the General Studies requirements and Professional Education requirements in Elementary Education. This program does not fulfill certification requirements for Library Media Specialist in Nebraska.

| | | | | | |
|---------|---------------------------------|---|---------|--|----|
| BIS 230 | Web Page Development | 3 | LMS 334 | Information Resources | 3 |
| LMS 150 | Introduction to Libraries..... | 3 | LMS 335 | Selection & Assessment of Resources..... | 3 |
| LMS 332 | Organization of Resources | 3 | LMS 434 | Electronic Information Technology..... | 3 |
| LMS 333 | Library Administration..... | 3 | | Total | 21 |

Note: LMS courses are on a two year rotation.

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 General Studies and graduation literacy requirements 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 General Studies mathematics requirement.

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

*Electives will be selected from upper division courses (excluding MATH 335) in mathematics.

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN MATHEMATICS (7-12): A student must complete the following program in addition to the General 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 General Studies Mathematics requirements.

| | | | | | |
|----------|--------------------------------------|---|----------|--|----|
| MATH 151 | Calculus I | 5 | MATH 336 | Calculus III | 3 |
| MATH 237 | History and Foundations of Math..... | 3 | MATH 337 | Elementary 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 General 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 335 | 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 General Studies requirements.

| | | | | | |
|----------|--------------------------------|---|----------|---|----|
| MATH 331 | Probability & Statistics | 3 | MATH 433 | Statistical Methods and Data Analysis.... | 3 |
| MATH 337 | Elem. 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 General Studies requirements:

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

Mathematics Education (K-8): A student must complete the following program in addition to the General Studies and Professional Education, Elementary Education requirements.

| | | | | | |
|----------|---|---|--|------------------------------------|-------|
| MATH 137 | Math Topics for Elementary Teachers | 3 | MATH 235 | Math for the Elem. Teacher I..... | 3 |
| MATH 232 | Applied Statistics | | MATH 335 | Math for the Elem. Teacher II..... | 3 |
| | OR | | Electives selected from list below | | 6-7 |
| MATH 331 | Probability and Statistics..... | 3 | Total | | 18-19 |

Electives may be selected from MATH 134, 135, 138, 142, 237, 239, or any unduplicated upper division course in mathematics. Either MATH 232 or 331 will be used to satisfy the requirements of this minor; students may not apply both courses to the total minor requirements.

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 objectives 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 prerequisites 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 | 1 | MSL 201 | Innovative Team Leadership | 2 |
| MSL 101L | Leadership & Personal Dev Lab | 1 | MSL 201L | Innovative Team Leadership Lab..... | 1 |
| MSL 102 | Introduction to Tactical Leadership | 1 | MSL 202 | Foundations of Tactical Leadership | 2 |
| MSL 102L | Introduction to Tactical Leadership Lab | 1 | MSL202L | Foundations of Tactical Leadership Lab | 1 |

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 33

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 291 | Internship in Leadership I | MSL 411 | Developing Subordinate Leaders I |
| MSL 294 | ROTC Summer Leadership Internship | MSL 412 | Developing Subordinate Leaders II |
| MSL 403 | Third Year Advanced Military Science | MSL 491 | Advanced Internship in Leadership |
| MSL 404 | Third Year Advanced Military Science | MSL 494 | Leader Development & Assessment |

Tuition, Credits, and Equipment

Military Science Leadership courses are tuition free. Books and equipment are provided by the department. Associated fees assessed for all courses do apply. MSL credit may be applied as free electives towards graduation or can be used as a physical education credit.

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. The scholarship provides tuition, fees, and a textbook allowance paid during the school year. In addition, all non-scholarship cadets who are contracted receive a 50% reduction in tuition costs.

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 objectives.

Student Learning Outcomes

Upon completion of the Major/Minor in Museum Studies, students will:

- 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 General Studies requirements and a major in another discipline. Students cannot major in Applied History and earn a minor in Museum Studies.

| | | | | | |
|--------|--|---|--------|------------------------------------|----|
| 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.

Requirements

1. Music majors and minors are required to participate in the major performing ensemble directly related to their major performing instrument/voice each semester.
2. 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.
3. 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.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN MUSIC: A student must complete the core requirements, an option, graduation literacy and General Studies requirements. No grade lower than “C” in any required music course will apply toward graduation.

Core Requirements

| | |
|--|--|
| MKTG 231 Principles of Marketing.....3 | MUS 231 & 231L Theory III & Lab .....4 |
| MUS 101 Student Recital .....0 | 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 399 Solo Half-Recital.....0 |
| MUS 199 Admission to Candidacy .....0 | MUS 427 Music History II .....3 |
| MUS 215 Private Music Instruction .....2 | Total 26 |

Music Performance Option

| | |
|--|---|
| Core Requirement.....26 | MUS 238 Diction for Singers** |
| MUS 102/302 Wind Symphony | OR |
| OR | MUS 315r Instrument Repair** |
| MUS 103/303 Concert Choir.....8 | OR |
| MUS 104/304, 105/305, 106/306, 107/307, 108/308, 109/309, 110/310, 124/324 or 125/325 | MUS 319b Music Studio Operations** .....1 |
| Chamber Ensembles.....4 | MUS 415 Private Music Instruction .....2 |
| MUS 117 Piano Class I.....1* | MUS 426 Music History I .....3 |
| MUS 118 Piano Class II.....1* | MUS 428 Music of the 20th Century.....3 |
| MUS 220 Piano Class III.....1* | MUS 499 Solo Full Recital.....0 |
| MUS 232 & 232L Theory IV & Lab .....4 | Electives .....3 |
| | Total 57 |

Electives to be chosen from the following: MUS 238, 319, 321, 322, 335, 336, 413, 419, 423, 424, 430

*Students proficient in piano at time of enrollment may test out of the requirement.

**Vocal and Piano Performance Majors must enroll in Diction for Singers.

Music Business Option

| | | | | |
|--|----|---------|---|------|
| Core Requirement..... | 26 | MUS 335 | Recording Techniques | 2 |
| MKTG 331 Sales Techniques..... | 3 | MUS 336 | Jazz Improvisation I..... | 2** |
| MKTG 335 Entrepreneurial Business Start-Up OR | | MUS 390 | Internship | 1*** |
| MKTG 336 Entre-Promotions and Advertising OR | | MUS 413 | Songwriting/Arr & MIDI I..... | 1*** |
| MKTG 338 Buyer Behavior | 3 | MUS 419 | Music Business | 3 |
| | | MUS 420 | Music Products Seminar | 3 |
| | | | Emphasis Instrumental/Vocal or Piano Studio Oper | 13 |
| | | | Total | 57 |

Instrumental/Vocal Emphasis: MUS 102/302 or MUS 103/303 (7 cr.); MUS 117*; MUS 118*, MUS 220*; MIS 332

Piano Studio Operations Emphasis: MUS 102/302 or MUS 103/303 (8 cr.); MUS 317; MUS 319a and b; MUS 423, MUS 424

The following courses are strongly recommended as supportive electives for the Music Business Option: MUS 104/304, 105/305, 106/306, 330, 335, 337, 414

NOTE: Non-classical literature may be added providing a satisfactory repertoire of classical literature can be performed at an acceptable level.

*Students proficient in piano at time of enrollment may test out of the requirement.

**MUS 115x Private Improvisation may be substituted for MUS 336. MUS 115z, 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 General Studies, graduation literacy and Professional Education requirements, including successful completion of MUS 431a, Elementary Music Endorsement, and MUS 431b, Secondary Music Endorsement.

| | | | | | |
|----------------|--|-----|---------|---|----|
| MUS 101 | Student Recital | 0 | MUS 240 | Principles of Conducting..... | 2 |
| MUS 102/302 | Wind Symphony OR | | MUS 299 | Sophomore Qualifying Exam..... | 0 |
| MUS 103/303 | Concert Choir..... | 8* | MUS 313 | String Pedagogy | 1 |
| MUS 114 | Introduction to Music Education..... | 2 | MUS 314 | Percussion Pedagogy | 1 |
| MUS 115 | Private Music Instruction | 2 | MUS 315 | Private Instruction..... | 2 |
| MUS 117 | Piano Class I..... | 1** | MUS 316 | Vocal Pedagogy | 1 |
| MUS 118 | Piano Class II | 1** | MUS 320 | Brass Pedagogy..... | 1 |
| MUS 131 & 131L | Theory I & Lab | 4 | MUS 321 | Choral Conducting | 2 |
| MUS 132 & 132L | Theory II & Lab..... | 4 | MUS 322 | Instrumental Conducting..... | 2 |
| MUS 199 | Admission to Candidacy | 0 | MUS 323 | Woodwind Pedagogy | 1 |
| MUS 215 | Private Music Instruction | 2 | MUS 399 | Solo Half-Recital | 0 |
| MUS 220 | Piano Class III..... | 1** | MUS 412 | Tech. of Marching Band | 1 |
| MUS 221 | Keyboard Skills for the Class Teacher..... | 1** | MUS 426 | Music History I..... | 3 |
| MUS 231 & 231L | Theory III & Lab | 4 | MUS 427 | Music History II..... | 3 |
| MUS 232 & 232L | Theory IV & Lab | 4 | MUS 428 | Music of the 20 th Century | 3 |
| MUS 238 | Diction for Singers | 1 | | Electives in Jazz | |
| | | | | Total | 60 |

Electives in Jazz may be selected from among the following: MUS 104/304, 105/305, 106/306, 336

*Students must complete at least one credit hour of both band and choir to meet state accreditation requirements.

**Students proficient in piano at time of enrollment may test out of the requirement.

The following classes are recommended as supportive classes: MUS 216, 315r, 413, 421

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN VOCAL MUSIC (K-8):

This endorsement qualifies a person to teach vocal music in the elementary grades. It is strongly recommended that a student complete the following program in conjunction with a K-8 Elementary Education Endorsement program, in addition to the General Studies and graduation literacy requirements, the Professional Education requirements, and MUS 431a, Elementary Music Endorsement. Students who pursue the K-8 endorsement are recommended to substitute MUS 329 for MUS 333 (see Education degree requirements).

| | | | | | |
|----------------|--|----|---------|---------------------------------------|----------|
| MUS 101 | Student Recital | 0 | MUS 216 | Guitar Class..... | 1 |
| MUS 103/303 | Concert Choir | 4 | MUS 220 | Piano Class III..... | 1* |
| MUS 114 | Introduction to Music Education..... | 2 | MUS 240 | Principles of Conducting..... | 2 |
| MUS 115S | Private Music Instruction (Voice)..... | 2 | MUS 299 | Sophomore Qualifying Examination..... | 0 |
| MUS 117 | Piano Class I..... | 1* | MUS 316 | Vocal Pedagogy | 1 |
| MUS 118 | Piano Class II | 1* | MUS 321 | Choral Conducting | 2 |
| MUS 131 & 131L | Theory I & Lab..... | 4 | MUS 426 | Music History I | 3 |
| MUS 132 & 132L | Theory II & Lab..... | 4 | MUS 427 | Music History II | 3 |
| MUS 199 | Admission to Candidacy | 0 | | | Total 33 |
| MUS 215S | Private Music Instruction (Voice)..... | 2 | | | |

*Students proficient in piano at time of enrollment may test out of the requirement.

MINORS in Music

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

| | | | | | |
|----------------|------------------------------|---|--------------------|------------------------|----------|
| MUS 101 | Student Recital | 0 | MUS 427 | Music History II | 3 |
| MUS 115 | Private Instruction | 3 | Music Performance* | ..... | 4 |
| MUS 131 & 131L | Theory I & Lab..... | 4 | Music Electives** | ..... | 7 |
| MUS 199 | Admission to Candidacy | 0 | | | Total 21 |

*Chosen from the following performance ensembles: MUS 102/302, 103/303, 104/304, 105/305, 106/306, 107/307, 108/308, 109/309, 110/310, 124/324, 125/325, 126/326

**Chosen from the following courses: MUS 117, 118, 132/132L, 216, 220, 230, 240, 312, 315r, 319A, 319B, 321, 322, 336, 413, 419, 420, 423, 424, 426, 428

Note: Entrance to many of the above ensembles is by audition.

Music (K-8): A student must complete the following program in addition to the General Studies and Professional Education, Elementary Education requirements, including MUS 431a, Special Methods in Elementary Education. Please note that music performance courses are one credit each. It takes 4 semesters to complete a 4 credit requirement for a performing ensemble.

| | | | | | |
|-------------|--|----|----------------|------------------------------|----------|
| MUS 101 | Student Recital | 0 | MUS 131 & 131L | Theory I & Lab..... | 4 |
| MUS 103/303 | Concert Choir | 4 | MUS 199 | Admission to Candidacy | 0 |
| MUS 115S | Private Music Instruction (Voice)..... | 3 | MUS 316 | Vocal Pedagogy | 1 |
| MUS 117 | Piano Class I..... | 1* | MUS 426 | Music History I | 3 |
| MUS 118 | Piano Class II | 1* | MUS 427 | Music History II..... | 3 |
| | | | | | Total 20 |

*Students proficient in piano at time of enrollment may test out of the requirement.

PHYSICAL SCIENCES

Student Learning Outcomes

1. 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.

2. 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, graduation literacy and the General 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.

Core Requirements

| | |
|---|--|
| CHEM 131 & 131L College Chemistry I & Lab.....4 | CHEM, GEOS, PHYS 410 Capstone III: |
| CHEM 132 & 132L College Chemistry II & Lab .....4 | Senior Research Thesis .....1 |
| CHEM, GEOS, PHYS 310 Capstone I: | GEOS 231& 23L Physical Geology & Lab .....4 |
| Research Seminar .....1 | GEOS 322 Introduction to GIS .....3 |
| CHEM, GEOS, PHYS 401 Capstone II: Senior | PHYS 241& 241L University Physics I & Lab .....5 |
| Research.....1 | PHYS 242 & 242L University Physics II & Lab...5 |
| | Math elective chosen from 138, 151, or 232 3-5 |
| | 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 335 & 335L Biochemistry I & Lab .....4 |
| CHEM 333 & 333L Organic Chemistry I & Lab .....4 | CHEM 341 & 341L Quantitative Analysis & Lab .....4 |
| CHEM 334 & 334L Organic Chemistry II & Lab .....4 | *Upper division Chemistry electives .....8 |
| | Total 55-57 |

*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 General Studies Math requirement and MATH 232 as their core math elective.

| | |
|---|---|
| Core requirements..... 31 | GEOS 439 & 439L Sedimentology & Strat & Lab 4 |
| GEOS 234 & 234L Earth Systems History & Lab 4 | Field Camp (may be taken at another institution)..... 3 |
| GEOS 338 Rocks & Minerals 3 | Upper division GEOS elective.....3 |
| GEOS 431 Geology of Water Resources..... 3 | Upper division PHYS elective.....3 |
| GEOS 432 Structural Geology 3 | Total 57 |

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..... | 3 | 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 | <u>1</u> |
| 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, graduation literacy and General Studies requirements. Students pursuing this endorsement must complete MATH 138 as the General Studies Mathematics requirement and PHYS 435 as one of the General Studies Global and Social Awareness requirements. A final grade of "C" or better must be attained in all endorsement area courses.

| | | | |
|---|---|---|----------|
| BIOL 136 & 136L Biological Science & Lab | 3 | CHEM 341 & 341L Quantitative Analysis & Lab | 4 |
| CHEM 131 & 131L College Chemistry I & Lab..... | 4 | GEOS 231 & 231L Physical Geology & Lab..... | 4 |
| CHEM 132 & 132L College Chemistry II & Lab | 4 | PHYS 151 & 151L College Physics I & Lab | |
| CHEM 231 & 231L Survey of Organic Chem & Lab | 4 | OR | |
| CHEM 310 Capstone I: Research Seminar..... | 1 | PHYS 241 & 241L University Physics I & Lab..... | 5 |
| CHEM 320 Sup Study in Lab/Field Methods..... | 1 | Biology Electives | |
| CHEM 335 & 335L Biochemistry I & Lab | 4 | Upper division Chemistry electives..... | <u>7</u> |
| | | | Total 42 |

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN EARTH SCIENCE (7-12): Students must complete the following program in addition to the Professional Education, graduation literacy and General Studies requirements. Students pursuing this endorsement must complete MATH 138 as the General Studies Mathematics requirement and PHYS 435 as one of the General Studies Global and Social Awareness requirements. A final grade of "C" or better must be attained in all endorsement area courses.

| | | | |
|---|---|---|----------|
| BIOL 136 & 136L Biological Science & Lab | 3 | GEOS 431 Geology of Water Resources | |
| CHEM 140 & 140L Survey of Chemistry & Lab..... | 4 | OR | |
| GEOS 137 Environmental Geology | 3 | GEOG 434 Introduction to Oceanography | 3 |
| GEOS 231 & 231L Physical Geology & Lab..... | 4 | PHYS 151 & 151L College Physics I & Lab | |
| GEOS 234 & 234L Earth System History & Lab..... | 4 | OR | |
| GEOS 310 Capstone I: Research Seminar..... | 1 | PHYS 241 & 241L University Physics I & Lab..... | 5 |
| GEOS 320 Sup Study in Lab & Field Methods..... | 1 | PHYS 333 & 333L Astronomy & Lab | 3 |
| GEOS 338 Rocks & Minerals | 3 | PHYS 334 Meteorology..... | 3 |
| | | Biology Electives | 3 |
| | | Geoscience Electives..... | <u>3</u> |
| | | | Total 43 |

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN NATURAL SCIENCE (7-12): Students must complete the following program in addition to the Professional Education , graduation literacy and General Studies requirements. Students pursuing this endorsement must complete MATH 138 as the General Studies Mathematics requirement and PHYS 435 as one of the General Studies Global and Social Awareness requirements. Spanish language classes are highly encouraged.

Students choosing the Natural Science Field Teaching Endorsement opt for a concentration in one of four areas: Biology, Chemistry, Earth 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 | PHYS 151 & 151L College Physics I & Lab | |
| BIOL 139 & 139L General Zoology & Lab | 3 | OR | |
| BIOL 224 Cell Biology | 3 | PHYS 241 & 241L University Physics I & Lab | 5 |
| CHEM 131 & 131L College Chem I and Lab | 4 | PHYS 152 & 152L College Physics II & Lab | |
| CHEM 132 & 132L College Chem II & Lab | 4 | OR | |
| GEOS 231 & 231L Physical Geology & Lab | 4 | PHYS 242 & 242L University Physics II & Lab | 5 |
| GEOS 234 & 234L Earth System History & Lab | 4 | BIOL/CHEM/GEOS/PHYS 310 Capstone I | 1 |
| | | BIOL/CHEM/GEOS/PHYS 320 Sup Study Lab Meth... | 1 |
| | | Total | 37 |

Select one concentration from below:

BIOLOGY

| | | | |
|---|----|--|----|
| Core requirements..... | 37 | BIOL 341 & 341L Microbiology & Lab | 3 |
| BIOL 231 Anatomy & Physiology | 3 | BIOL 412 Biotechnology | 3 |
| BIOL 332 Genetics..... | 3 | Total | 52 |
| BIOL 336 & 336L General Ecology & Lab | 3 | | |

CHEMISTRY

| | | | |
|--|----|---|----|
| Core requirements..... | 37 | CHEM 341 & 341L Quantitative Analysis & Lab | 4 |
| CHEM 231 & 231L Survey of Org Chem & Lab | 4 | CHEM 433 Environmental Chemistry | 3 |
| CHEM 335 & 335L Biochemistry I & Lab | 4 | Total | 52 |

EARTH SCIENCE

| | | | |
|--------------------------------------|----|--|----|
| Core requirements..... | 37 | GEOS 338 Rocks & Minerals | 3 |
| GEOS 137 Environmental Geology | 3 | GEOS 431 Geology of Water Resources..... | 3 |
| GEOS 322 Introduction to GIS | 3 | GEOS 439 & 439L Stratig and Sed & Lab..... | 4 |
| | | Total | 53 |

PHYSICS

| | | | |
|---------------------------------------|----|---|----|
| Core requirements..... | 37 | PHYS 370a & 370c Modern Physics & Lab | 4 |
| PHYS 333 & 333L Astronomy & Lab | 3 | Upper division PHYS electives | 3 |
| PHYS 334 Meteorology | 3 | Total | 50 |

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN PHYSICAL SCIENCE (7-12): Students must complete the following program in addition to the Professional Education, graduation literacy and General Studies requirements. Students pursuing this endorsement must take MATH 138 as their General Studies mathematics requirement and PHYS 435 as one of the General Studies Global and Social Awareness requirements. A final grade of “C” or better must be attained in all endorsement area courses.

| | | | |
|--|---|--|----|
| BIOL 136 & 136L Biological Science & Lab | 3 | GEOS 338 Rocks & Minerals | 3 |
| CHEM 131 & 131L College Chemistry I & Lab..... | 4 | PHYS 310 Capstone I: Research Seminar | 1 |
| CHEM 231 & 231L Survey of Organic Chem & Lab ... | 4 | PHYS 151 & 151L College Physics I & Lab | |
| CHEM 433 & 433L Environmental Chem & Lab | | OR | |
| OR | | PHYS 241 & 241L University Physics I & Lab | 5 |
| CHEM 335 & 335L Biochemistry I & Lab | 4 | PHYS 333 & 333L Astronomy & Lab | 3 |
| GEOS 137 Environmental Geology | 3 | PHYS 334 Meteorology..... | 3 |
| GEOS 231 & 231L Physical Geology & Lab | 4 | Electives in Biology: BIOL 138/138L, | |
| GEOS 234 & 234L Earth System History & Lab | 4 | 139/139L, or 225..... | 3 |
| | | Total | 44 |

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, graduation literacy and General Studies requirements. Students pursuing this endorsement must take MATH 151 as their General Studies mathematics requirement and PHYS 435 as one of the General Studies Global and Social Awareness requirements.

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 | | |
| PHYS 310 Capstone I: Research Seminar | 1 | | |
| | | | Total 38 |

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

A student must complete the following program in addition to the General Studies, graduation literacy, Professional Education Middle Grades requirements, and one other Content Area of Specialization requirements. Students pursuing this endorsement must complete PHYS 435 as one of the General Studies Global and Social Awareness requirements. 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 General Studies hours taken:

| | | | |
|--|---|---|----------|
| BIOL 121 & 121L Human Biology & Lab | 3 | PHYS 330 Physical Science for Elem & Middle | |
| BIOL 136 & 136L Biological Science & Lab | 3 | School Teachers | 3 |
| CHEM 140 & 140L Survey of Chemistry & Lab | 4 | Elective in Biol, Chem, Geoscience or Physics | <u>1</u> |
| GEOS 231 & 231L Physical Geology & Lab | | | |
| OR | | | |
| GEOS 234 & 234L Earth System History & Lab | 4 | | |
| | | | Total 18 |

MINORS in Physical Science

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

| | | | |
|--|---|---|----------|
| GEOS 231 & 231L Physical Geology & Lab | 4 | GEOS 431 Geology of Water Resources | 3 |
| GEOS 234 & 234L Earth System History & Lab | 4 | GEOS 432 Structural Geology | 3 |
| GEOS 338 Rocks & Minerals | 3 | GEOS 439 & 439L Sedimentology/Strat & Lab | <u>4</u> |
| | | | Total 21 |

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

| | |
|---|---|
| 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 Upper Division Electives in Physics..... <u>10</u> Total 20 |
|---|---|

Science Education (K-8): A student must complete the following program in addition to the General Studies and Professional Education, Elementary Education requirements. The following hours must be unduplicated, i.e. different from General Studies hours taken:

| | |
|--|--|
| BIOL 121 & 121L Human Biology & Lab..... 3 | PHYS 330 Phy Sci for Elem & Middle Sch Teach ... 3 |
| BIOL 136 & 136L Biological Science & Lab 3 | Electives in Biology, Chemistry, Geocience, or |
| CHEM 140 & 140L Survey of Chemistry & Lab..... 4 | Physics..... <u>1</u> |
| GEOS 231 & 231L Physical Geology & Lab 4 | Total 18 |

Water Resources Management: A student must complete the following program in addition to the General Studies requirements and a major in another discipline.

| | |
|---|--|
| BIOL 337 Environmental Management 3 | CHEM 342 & 342L Instrumental Analysis & Lab |
| BIOL 429 Aquatic Microbiology OR | OR |
| CHEM 433 & 433L Environment Chem & Lab..... 4 | AGRI 245 & 245L Prin of Soil Science & Lab 4 |
| | GEOS 231 & 231L Physical Geology & Lab 4 |
| | GEOS 322 Introduction to GIS 3 |
| | GEOS 431 Geology of Water Resources..... <u>3</u> |
| | Total 21 |

Academic Certificates in Physical Sciences

Geographic Information Systems: A student may be awarded a Certificate in Geographic Information Systems upon successful completion of the following requirements:

| | |
|---|--|
| BIS 130 Principles of Information Systems 3 | GEOG 390 Internship in Geography (GIS emphasis) |
| BIS 331 Database Management 3 | OR |
| GEOG 336 Map Use and GIS 3 | GEOG 400 Independent Study (GIS emphasis)..... 4 |
| | GEOS 321 Introduction to GPS..... 1 |
| | GEOS 322 Introduction to GIS <u>3</u> |
| | Total 20 |

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

The mission of the psychology program at Chadron State College is to support the College, the Department of Counseling, Psychology and Social Work, and the larger community by providing learning experiences that inspire student achievement, instill ethics and values, promote service, and facilitate lifelong learning. Psychology students will develop the knowledge, understanding, appreciation, discipline, and skills that will enable them to function personally and professionally as informed and socially responsible citizens. Students will be prepared to pursue graduate training, careers within the disciplines, or careers in affiliated areas.

Student Learning Outcomes

The Psychology program at Chadron State College has adopted the student learning outcomes or goals suggested by the American Psychological Association (APA) for undergraduate programs in psychology. Individual students who have completed a psychology major should show progress toward the following learning goals:

- Demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology. (Knowledge Base of Psychology)
- Understand and apply basic research methods in psychology, including research design, data analysis, and interpretation. (Research Methods in Psychology)
- Respect and use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes. (Critical Thinking Skills in Psychology)
- Understand and apply psychological principles to personal, social, and organizational issues. (Application of Psychology)
- Value empirical evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a science. (Values in Psychology)
- Demonstrate information competence and the ability to use computers and other technology for many purposes. (Information and Technological Literacy)
- Communicate effectively in a variety of formats. (Communication Skills)
- Recognize, understand, and respect the complexity of sociocultural and international diversity. (Sociocultural and International Awareness)
- Develop insight into their own and other's behavior and mental processes and apply effective strategies for self-management and self-improvement. (Personal Development)
- Pursue realistic ideas about how to implement their psychological knowledge, skills, and values in occupational pursuits in a variety of settings. (Career Planning and Development)

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 General Studies Requirement (PSYC 421).

| | | | | | |
|----------|---|---|----------|--|----------|
| PSYC 131 | General Psychology | 3 | PSYC 390 | Internship in Psychology | 3 |
| PSYC 234 | Cognitive Psychology | 3 | PSYC 421 | Culture and Psychology | 3 |
| PSYC 242 | Intro. to Research Methods and Statistics ... | 3 | PSYC 430 | Intro to Physiological Psychology..... | 3 |
| PSYC 331 | Social Psychology | | PSYC 432 | Research Design in Psychology | 3 |
| | OR | | PSYC 433 | Abnormal Psychology | |
| PSYC 434 | Organizational Psychology | 3 | | OR | |
| PSYC 332 | Child Psychology | | PSYC 435 | Theories of Personality | 3 |
| | OR | | PSYC 438 | Advanced Behavioral Statistics..... | 3 |
| PSYC 334 | Developmental Psychology | | PSYC 442 | Modern & Historical Psyc Perspectives .. | 3 |
| | OR | | | | |
| PSYC 336 | Adolescent Psychology | 3 | | | |
| | | | | | Total 36 |

MINORS IN Psychology

Psychology minors are designed for non-psychology majors.

Psychology

| | | | | | |
|----------|---|---|-------------------------------|-------------------------------------|----------|
| PSYC 131 | General Psychology | 3 | PSYC 332 | Child Psychology | |
| PSYC 234 | Cognitive Psychology | 3 | | OR | |
| PSYC 242 | Intro. to Research Methods and Statistics . | 3 | PSYC 336 | Adolescent Psychology | |
| PSYC 331 | Social Psychology | 3 | | OR | |
| | | | PSYC 334 | Developmental Psychology..... | 3 |
| | | | PSYC 432 | Research Design in Psychology | 3 |
| | | | * Upper level electives | 3 | |
| | | | | | Total 21 |

Organizational Psychology

| | | | | | |
|----------|---|---|----------|--------------------------------|----------|
| PSYC 234 | Cognitive Psychology | 3 | PSYC 434 | Organizational Psychology..... | 3 |
| PSYC 242 | Intro. to Research Methods and Statistics . | 3 | PSYC 421 | Culture and Psychology..... | 3 |
| PSYC 331 | Social Psychology | 3 | PSYC 435 | Theories of Personality | 3 |
| PSYC 432 | Research Design in Psychology | 3 | | | Total 21 |

Social and Personality

| | | | | | |
|----------|-----------------------------|---|-------------------------------|-------------------------------|----|
| PSYC 234 | Cognitive Psychology | 3 | PSYC 421 | Culture and Psychology | 3 |
| PSYC 331 | Social Psychology | 3 | PSYC 433 | Abnormal Psychology | 3 |
| PSYC 332 | Child Psychology | | PSYC 435 | Theories of Personality | 3 |
| OR | | | * Upper level electives | | 3 |
| PSYC 334 | Developmental Psychology | | Total | | 21 |
| OR | | | | | |
| PSYC 336 | Adolescent Psychology | 3 | | | |

Psychology and the Legal System

| | | | | | |
|----------|---|---|----------|------------------------------------|----|
| PSYC 234 | Cognitive Psychology | 3 | PSYC 433 | Abnormal Psychology | 3 |
| PSYC 239 | Introduction to Forensic Psychology | 3 | PSYC 435 | Theories of Personality | 3 |
| PSYC 331 | Social Psychology | 3 | PSYC 449 | Advanced Forensic Psychology | 3 |
| PSYC 421 | Culture and 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 |
|-----------------------|

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 General Studies, graduation literacy and

Professional Education requirements:

| | | | | |
|----------|----------------------------------|---|--|----|
| HIST 233 | Western Civilization I | 3 | Electives in U.S. History | 6 |
| HIST 234 | Western Civilization II | 3 | Electives in World History | 3 |
| HIST 321 | History of the Pacific Rim | 3 | Focus area in ECON, PS, or SOC & ANTHR | 9 |
| HIST 331 | Latin American History | 3 | Additional SS electives, as below | 30 |
| | | | Total | 60 |

Nine (9) hours from one (1) of these Focus Areas:

Economics: ECON 130, either 231 or 232, and FIN 339

Political Science: PS 231 or PS 341, and 6 hours of upper division electives

Sociology and Anthropology: SOC 231, and 6 hours of upper division electives

At least six hours from each of these following disciplines not in the chosen Focus Area (30 hours total). Courses listed in parentheses behind each discipline are recommended:

Anthropology (337 and 435) Political Science (231 and upper division)
Economics (130, and either 231 or 232) Psychology (131 and 132)
Geography (231 and 232) Sociology (230 and 231)

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 General Studies, graduation literacy and Professional Education, Middle Grade requirements and one other Content Area of Specialization requirement. Students seeking the Middle Grades Content Area endorsement must take HIST 231 and 232 in fulfillment of the General Studies History requirements.

| | | | | | |
|----------|-------------------------------|---|----------|-------------------------------------|----|
| ECON 130 | Survey of Economics | 3 | HIST 331 | Latin American History | |
| GEOG 232 | Cultural Geography | 3 | | OR | |
| HIST 233 | Western Civilization I | 3 | HIST 430 | History of the American Indian..... | 3 |
| HIST 234 | Western Civilization II | 3 | PS 231 | American National Government | 3 |
| | | | SOC 231 | Introduction to Sociology..... | 3 |
| | | | | Total | 21 |

MINOR in Social Science (K-6)

A student must complete the following program in addition to the General Education and Professional Education, Elementary Education requirements:

| | | | | | |
|----------|-------------------------------|---|----------------------------------|-------------------------------------|----|
| GEOG 232 | Cultural Geography | 3 | HIST 331 | Latin American History | |
| HIST 231 | U.S. History to 1877 | | | OR | |
| | OR | | HIST 430 | History of the American Indian..... | 3 |
| HIST 232 | U.S. History since 1877 | 3 | PS 231 | American National Government | 3 |
| HIST 233 | Western Civilization I | | SOC 231 | Introduction to Sociology..... | 3 |
| | OR | | Electives in GEOG, SOC, PS | 3 | |
| HIST 234 | Western Civilization II..... | 3 | | Total | 21 |

SOCIAL WORK

The CSC Social Work program has been accredited by the Council on Social Work Accreditation 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 in 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 strives 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 seeks to integrate scholarship with student learning through presentations at regional and national conferences, special projects, and community consultation. Social Work faculty provides 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.

Objectives

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 General Studies courses required of all CSC students, BIOL 121/121L; ECON 130; PSYC 131, 238 or 242 or MATH 232; SW 231, 251, 252, 271; PS 231; and LS 236.

Students considering Social Work should consult the Social Work faculty early in their academic career to insure that the necessary prerequisite 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. Graduating students are prepared to practice as competent beginning Social Work professionals.

Generally, students make application to the Professional Social Work Program during the 2nd semester of the sophomore year or first 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 from the Department of Counseling, Psychology, and Social Work.

Admission Criteria

Admission to the Chadron State College Professional Social Work Program is based on the following criteria:

1. Sophomore standing.
2. Cumulative grade point average of 2.50 and a 2.75 G.P.A. in pre-requisite Social Work courses.
3. Completion of an Application for Major form. The form is available from the departmental office assistant.
4. 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, and written responses to questions identified on the application form.
5. Completion of or enrollment in all prerequisites to Professional SW courses: BIOL 121/121L; ECON 130; PS 231; PSYC 131, 242; SW 231, 251, 252, 271; and SOC 231.
6. Documentation of 40 hours of volunteer experience in a social service setting.
7. Completed interview with a designated Social Work faculty member and the Social Work Program Advisory Committee.
8. 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 his/her advisor, a student who does not meet the admission requirements for the Social Work Program may petition the Social Work Admissions Committee for special consideration.

Students who apply to enter the Field Program once accepted into the Professional Social Work 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. The background check is required and students will be responsible for all incurred costs.

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 Admissions Committee. Students also interview with the Social Work Program Advisory Committee. Action on admission requests may include admission, conditional admission, or deny admission. Students are notified of the decision of the Admissions 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.

Student Applications for Admission to the Professional Social Work Program must be submitted and a student notified of the Social Work Admissions Committee decision of acceptance into the Professional Social Work Program before a student can officially enroll in Professional Social Work courses through Chadron State College. 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 over-rides provided by 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 the General Studies and graduation literacy requirements. Students pursuing this comprehensive major must complete BIOL 121/121L, ECON 130, and PS 231 to fulfill General Studies requirement for Life Science, Global and Social Awareness, and Government.

| | | | | | |
|----------|--|---|---------------|--|----|
| LS 236 | Family Law | 3 | SW 343 & 343L | Research Methods & Lab | 4 |
| PSYC 131 | General Psychology | 3 | SW 431 | Generalist Methods Lab | 1 |
| PSYC 238 | Bsic Statistics for Behavioral Sci | 3 | SW 432 | Methods I: Individuals & Families..... | 3 |
| SW 231 | Professional Social Work | 3 | SW 433 | Methods II: Therapeutic & | |
| SW 251 | Human Behavior in the Soc Environ I | 3 | | Task Groups | 3 |
| SW 252 | Human Behavior in the Soc Environ II ... | 3 | SW 434 | Policy Analysis & Advocacy | 3 |
| SW 271 | Social Welfare Hist & | | SW 435 | Methods III: Org & Communities | 3 |
| | Serv Delivery Sys..... | 3 | SW 459 | Pre-Field & Orientation..... | 1 |
| SW 330 | Diversity in the Rural Environment | 4 | SW 464 | Social Work Field Practicum | 10 |
| SW 332 | Services to Elderly & Diff. Abled..... | 2 | | Total | 55 |

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, 332, 338, 339, 340, 430, 436.

Periodically, Social Work faculty offer special topics courses in Social Work during the academic year and during summer sessions 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; SOC 231; 439; SPED 231, 332, 435; SW 332

Policy Analysis: C A 346; ECON 231, 232; LS 333; SOC 231;

Mental Health Services: AIS 334; BIOL 331; PSYC 233, 239, 433, 435; SOC 231; SW 340

International Social Work: AGRI 431; ECON 332; PS 332; SOC 231; SW 371

Adolescent – School Services: AIS 334; CJ 338, 432; LS 432; PSYC 336; SOC 231, 332; SPED 331; SW 331, 339

Administration: AIS 334; BA 337; LS 235, 435; MGMT 230; PSYC 434; SOC 231

Child Welfare Services: AIS 334; FCS 238; LS 236; SOC 231; SPED 331; SW 331

Gerontology Services: PSYC 234, 430, 433; SOC 231; SW 339

Total 21

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 mild/moderate disabilities 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: Mild/Moderate Disabilities 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 MILD/MODERATE DISABILITIES (K-12): Students seeking a teaching endorsement in the area of Mild/Moderate Disabilities (K-12) are required to complete the following courses in addition to the Professional Education courses (2.50 minimum G.P.A. required), the General Studies and graduation literacy requirements.

The Teacher Internship experience in mild/moderate disabilities (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 prerequisites to the Professional Year (2.50 minimum G.P.A. required no grade may be below a “C”):

| | | | |
|--|-----|--|-------------|
| EDUC 131 Intro to Teaching | 3 | PSYC 231 Educational Psychology | 3 |
| EDUC 224 Multimedia Support of Instruction/Learning | 2 | SPED 230 Intro Except Learner | 3 |
| EDUC 320 Elem/MS Obs & Participation..... | 1-3 | SPED 334 Diff Instr for Diverse Classrooms | 2 |
| | | EDUC 433 The Middle School | <u>3</u> |
| | | | Total 17-19 |

Mild/Moderate Disabilities Endorsement Courses (K-12):

| | | | |
|---|---|---|----------|
| CTE 431 Intro. to Special Needs Prog in CTE | 3 | SPED 332 Lang. and Learning Disorders | 3 |
| HPER 422 Intro to Adapted PE..... | 3 | SPED 335 Elem./MS/Sec. Meth. Mat. M/M Dis. | 4 |
| PSYC 334 Developmental Psychology OR | | SPED 337 Program Dev., Imp. & Eval..... | 3 |
| PSYC 336 Adolescent Psychology | 3 | SPED 416 Clinical Exp. in Appr. Exc. Child..... | 1 |
| READ 431 Imprv. of Instr. in Reading | 3 | SPED 435 Assess. Individ. with M/M Disab. | 3 |
| SPED 232 Interper. Comm Skills for SPED..... | 3 | SPED 438 Consultation/Collaboration..... | <u>3</u> |
| SPED 316e Microteach Elem/Middle School..... | 1 | Total 34 | |
| SPED 316s Microteach Secondary Special Ed..... | 1 | | |

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

Students pursuing only the Mild/Moderate Disability 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 (2.50 minimum G.P.A. 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 Interm. 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 #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 | <u>1</u> | |
| | | | | | Total | 6 |

Semester #2 – Teacher Interning

EDUC 480, Teacher Internship can be taken only after the successful completion of the Professional Semester (Block) courses (minimum G.P.A. of 2.50 required).

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 Special Education Endorsed students.

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN MILD/MODERATE DISABILITIES (GRADES 4-9): This endorsement content area qualifies individuals to teach Special Education (individuals with Mild/Moderate Disabilities) at the middle grades level. The Teacher Internship experience in Mild/Moderate Disabilities (Grades 4-9) requires 8 teacher internship credit hours in a Special Education setting at the middle grades level. A student must complete the following course requirements, as well as, the General Studies, graduation literacy and Professional Education-Middle Grades program course requirements, in addition to one other 18 credit hour Middle Grades Content Area of Specialization:

| | | | | | | |
|----------|--------------------------------------|---|----------|--|----------|----|
| HPER 422 | Intro to Adapted PE..... | 3 | SPED 416 | Clincial Exper. in Appr. of Exc Chld | 1 | |
| SPED 316 | Micro Teaching Elem/MS..... | 1 | SPED 435 | Assess. Indiv. With M/M Disab | 3 | |
| SPED 335 | Elem/MS/Sec Methods & Materials..... | 4 | SPED 438 | Consultation/Collaboration | <u>3</u> | |
| SPED 337 | Program Devel., Improv. & Eval | 3 | | | Total | 18 |

The Degree of Bachelor of Science in Education with an EARLY CHILDHOOD EDUCATION UNIFIED FIELD ENDORSEMENT (BIRTH THROUGH GRADE 3): This endorsement qualifies teachers to teach early childhood and/or special education from birth through grade 3. A student must complete the following program requirements in addition to the General Studies program, graduation literacy and Professional Education Program course requirements:

Professional Education: The following courses are prerequisites to the Professional Year (2.50 minimum G.P.A. required; no grade may be below a “C”):

| | | | | | | |
|----------|---|-----|----------|---|----------|-------|
| EDUC 131 | Intro to Teaching | 3 | PSYC 334 | Developmental Psychology | 3 | |
| EDUC 224 | Multimedia Support of Instruction/Learning | 2 | SPED 230 | Intro Except Learner | 3 | |
| EDUC 320 | Elem/MS Obs & Participation..... | 1-3 | SPED 334 | Diff Instr for Diverse Classrooms | <u>2</u> | |
| | | | | | Total | 14-16 |

Early Childhood Education Unified Endorsement: The following courses are prerequisites to the Professional Year (2.50 G.P.A. required and no grade below a “C”):

| | | | | | | |
|----------|--|---|--------------|--|----------|----|
| EDUC 231 | Play, Art & Music for Early Childhood | 3 | FCS 448/448L | Early Childhood Practicum & Lab | 4 | |
| EDUC 232 | Sci, Math & Soc Stu for Early Child..... | 3 | SPED 232 | Interpersonal Communication Skills OR | | |
| EDUC 233 | Lit & Language Arts for Early Child | 3 | FCS 239 | Partners in Early Child Educ | 3 | |
| EDUC 321 | Teach Elem/MS Math | 2 | SPED 316e | Micro Teaching in Preschool..... | 1 | |
| FCS 139 | Human Development | 3 | SPED 332 | Language & Learning Disorders | 3 | |
| FCS 237 | Guidance Tech in Human Relations..... | 3 | SPED 337 | Program Dev, Implem, & Mgmt | 3 | |
| FCS 238 | Prenatal & Infant Development..... | 3 | SPED 435 | Assessment Indiv Mild/Mod Dis..... | 3 | |
| FCS 321a | Curriculum Development..... | 2 | SPED 438 | Consultation/Collaboration..... | <u>3</u> | |
| FCS 423 | Program Development Mgmt..... | 3 | | | Total | 45 |

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 (2.50 minimum G.P.A. 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..... | <u>1</u> |
| 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 Unified can be taken only upon successful completion of the above (Semester #1 – “Block”) courses (minimum G.P.A. of 2.50 required).

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.

MINOR in Mild/Moderate Disabilities (K-8)

These courses must be completed along with the Elementary Education Field Endorsement course curriculum:

| | | | | | |
|-----------|---|---|----------|---|----------|
| HPER 422 | Intro to Adapted PE..... | 3 | SPED 335 | Elem/MS/Sec Methods & Materials..... | 4 |
| SPED 232 | Interpersonal Comm. Skills..... | 3 | SPED 337 | Program Dev., Imp. & Mgmt | 3 |
| SPED 316e | Microteach Pre/Elem/Middle School | 1 | SPED 435 | Assess Individ. with Mild/Mod. Disab..... | <u>3</u> |
| SPED 332 | Language & Learning Disorders | 3 | | Total | 20 |

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 complete the 40 credit-hour Bachelor of Applied Sciences General Studies, graduation literacy requirement and, 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 Extended Campus Programs Office for more information.

Degree Requirements

| | |
|--|-----------------------|
| Associates Degree Transfer Credit Hours | up to 70 credit hours |
| Minimum *General Studies Credit Hours | 40 credit hours |
| Minimum **Upper Division Credit Hours | 45 credit hours |
| Minimum Total Credit Hours for Degree Completion | 125 credit hours |

*General Studies requirements will be reduced by comparable transfer courses

**Upper division requirements may include upper division General 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.

General Studies Requirements - To be selected from the CSC General Studies Program:

| | | | |
|--------------------------------|---|--------------------------|----|
| Communication Arts..... | 3 | History..... | 3 |
| Composition..... | 6 | Humanities..... | 3 |
| Fine Arts..... | 3 | Mathematics..... | 3 |
| Global & Social Awareness..... | 6 | Physical Activities..... | 1 |
| Government..... | 3 | Reason & Values..... | 3 |
| Health and Wellness..... | 3 | Science..... | 3 |
| | | Total | 40 |

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

- Students will demonstrate a working knowledge of theatre as a collaborative art form.
- Students will demonstrate a fundamental knowledge of light, set, and sound design as well as voice, acting, and movement in performance.
- Students will describe and apply the concepts that constitute the making of theatre and performance.
- Students will distinguish between various genres in playwriting and performance and the intrinsic demands of these various genres.
- Students will acquire and articulate a working knowledge of the vocabulary for describing and analyzing plays, scenes, designs and performances.
- Students will demonstrate understanding and application of key concepts through assignments in design, costuming, lighting, directing, and /or performance.
- Students will 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 General Studies requirements, graduation literacy requirement and one of the following options.

Core Requirements

| | | | | | |
|---------------|--|---|--------|---|----|
| FCS 135 | Alteration & Construction Techniques.... | 3 | TH 336 | Theatre History I..... | 3 |
| TH 134 | Principles of Acting..... | 3 | TH 337 | Theatre History II..... | 3 |
| TH 159 & 159L | Technical Theatre & Lab..... | 3 | TH 412 | Senior Assessment Jury..... | 1 |
| TH 222 | Stage Make-Up..... | 2 | TH 429 | Playscript Analysis..... | 3 |
| TH 234 | Audition Techniques & Practices..... | 2 | TH 435 | Special Topics in Theatre (Choose from Stage Combat, Scene Painting, or Acting for the Camera)..... | 3 |
| TH 237 | Beginning Directing..... | 3 | | | |
| TH 243 & 243L | Intro to Set/Light Design & Lab..... | 3 | | | |
| TH 327 | Fundamentals of Voice & Movement..... | 3 | | | |
| | | | | Total | 35 |

Performance/Directing Option

| | | | |
|------------------------------|----|---|----|
| Core Requirements above..... | 35 | Plus electives to be selected from TH 334, 339, 300/400, 359, 434, 435, 437..... | 19 |
| | | Total | 54 |

Technical/Design Option

| | | | |
|------------------------------|----|--|-----------|
| Core Requirements above..... | 35 | Plus electives to be selected from TH 339, 300/400, 359, 435, 445, 459/459L | <u>19</u> |
| | | | 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 SUBJECT ENDORSEMENT IN THEATRE (7-12): A student must complete the following program in addition to the General Studies, graduation literacy and Professional Education requirements.

| | | | | | |
|---------------|--|---|--------|---|----------|
| FCS 135 | Alteration & Construction Techniques.... | 3 | TH 336 | Theatre History I | 3 |
| TH 134 | Principles of Acting..... | 3 | TH 337 | Theatre History II..... | 3 |
| TH 159 & 159L | Technical Theatre & Lab | 3 | TH 412 | Senior Assessment Jury..... | 1 |
| TH 222 | Stage Make-up | 2 | TH 429 | Playscript Analysis..... | 3 |
| TH 234 | Audition Techniques & Practices..... | 2 | TH 435 | Special Topics in Theatre (Choose from Stage Combat, Scene Painting, or Acting for the Camera)..... | <u>3</u> |
| TH 237 | Beginning Directing | 3 | | | |
| TH 243 & 243L | Intro to Set/Light Design & Lab | 3 | | | |
| TH 327 | Fundamentals of Voice & Movement | 3 | | | Total 35 |

NOTE: ENG 461, Special Methods in Language Arts, is required in addition to the above for the Theatre Subject Endorsement.

MINOR in Theatre

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

| | | | | | |
|-------------|--|---|-------------|--|----------|
| FCS 135 | Alteration & Construction Techniques.... | 3 | TH 243/243L | Intro. to Set/Light Design & Lab | 3 |
| TH 134 | Principles of Acting..... | 3 | | History/Analysis elective*..... | 3 |
| TH 159/159L | Technical Theatre Lab | 3 | | Production elective* | <u>3</u> |
| TH 237 | Beginning Directing | 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 327, 334, 339, 300/400, 359, 434, 435, 437, 445

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. Prerequisite: 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. Prerequisite: ACTG 241 and ACTG 242 or equivalencies

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. Prerequisites: ACTG 241 & ACTG 242 or equivalencies.

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. Prerequisites: 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. Prerequisites: ACTG 241, 242 and 341 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 and partnership returns. Computer software packages may be included. Prerequisites: ACTG 241, 242 and 341 or equivalencies.

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. Prerequisite: ACTG 241, 242, and 430 or equivalencies.

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. Prerequisite: 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. Prerequisites: ACTG 241, 242 and 337 or equivalencies.

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. Prerequisites: ACTG 241, 242 and 341 and 342 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. Prerequisites: ACTG 241, 242, 341 and 342 or equivalencies.

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 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.
- AGRI 242L Principles of Rangeland and Forage Management Laboratory** **Credit 1 hour**
 Lab experience. Must be taken concurrently with AGRI 242.
- 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 270 Special Topics** **Credit 1-3 hours**
 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 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 affects on the individual and population. Explores management alternatives to control disease and reduce impacts on wildlife populations. Prerequisite: 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. Prerequisite: Sophomore status or permission of instructor and Dean.
- 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. Prerequisite: AGRI 242 or consent of instructor.
- 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. Prerequisite: 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 forehand 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. Prerequisite: AGRI 242 or consent of the instructor.

AGRI 390 Internship in Agriculture**Credit 1-12 hours**

Provides practical experience in agriculture. 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 and academic Dean are required before registering.

AGRI 410 Agriculture Seminar**Credit 1 hour**

Designed to enhance oral and written communication skills as encountered in agriculture. Prerequisite: 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. Prerequisite: 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. Prerequisites: AGRI 132, BIOL 131 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. Prerequisites: 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. Prerequisites: 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. Prerequisite: 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.

AGRI 438 Land Resource Management Planning**Credit 1-3 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. Prerequisites: AGRI 141, 242, 245, 334, 339, and 350 or consent of the instructor. This course must be repeated to achieve a total of 3 hours of credit.

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. Prerequisite: 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. Prerequisite: 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.

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 premodern, 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 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.
Prerequisite: ART 131.

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. 35 MM Film Camera required.

ART 225 Printmaking I **Credit 3 hours**
Introduction to fundamental processes and creative potential of printmaking, including relief, monotype, and serigraphy. Prerequisite: ART 131 or permission of instructor.

ART 226a Metal Manufacturing Processes and Systems: Welding Processes **Credit 2 hours**
Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on welding and cutting processes and materials. Special emphasis placed on GMAW, SMAW, GTAW, PAC, OAW and FGC.

ART 226b Metal Manufacturing Processes and Systems: Machining **Credit 1 hour**
Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on machining processes and materials. Special emphasis on lathe and mill practices as well as newer developments in industry technology.

ART 226c Metal Manufacturing Processes and Systems: Foundry and Forging **Credit 1 hour**
Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on forging and foundry processes and materials. Special emphasis on sand and investment casting as well as gas and coal forge work.

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.
Prerequisites: ART 131.

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. Prerequisite: Art 131 or permission of instructor.

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 245a Construction Processes & Systems: Tools and Materials **Credit 1 hour**
 Fundamentals of construction including wood, metal, and masonry materials . Topics include hand and power tool selection and operation, safety and material usage. Offered concurrently with DTE 235a and TH 245a.

ART 245b Construction Processes & Systems: Techniques and Organizational Materials **Credit 1 hour**
 Fundamentals of construction including wood, metal, and masonry materials. Topics include the application of safe and appropriate building and construction techniques and the organization and scheduling of projects. Special emphasis on alternative and sustainable practices. Offered concurrently with DTE 235b & TH 245b.

ART 245c Construction Processes & Systems: Material Selection And Estimation **Credit 1 hour**
 Fundamentals of construction including wood, metal, and masonry materials. Topics include the determination of appropriate materials and the development of cost estimates for small to medium size construction projects. Introduction to MS Excel as an estimating program. Special emphasis on alternative and sustainable practices. Offered concurrently with DTE 235c & TH 245c.

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.

ART 320 Figure Drawing **Credit 3 hours**
 Development of perceptual skills in relation to the figure. Emphasis is placed on the user of the figure as a means of self-expression. Prerequisite: 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. Prerequisite: ART 229.

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. 35 MM Film Camera required.

ART 325 Printmaking II **Credit 3 hours**
 Introduction to intaglio techniques including drypoint, collagraph and etching. Emphasis placed on the imagery and technical understanding of processes. Prerequisite: 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. Prerequisite: ART 229.

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. Prerequisite: 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. Prerequisite: 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 prerequisites: Educational Psychology and Introduction to Teaching.

ART 337 Sculpture II **Credit 3 hours**

Advanced construction of three-dimensional forms through the use of clay, wood, wire and various other materials. Prerequisite: 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.

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 its ability to electronically create images using Apple and Adobe photo systems. Students will work with computers, scanners and image editing programs. 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. Prerequisite: permission of Art faculty and Dean.

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. Prerequisite: 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). Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ART 322, 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. Prerequisite: 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. Prerequisite: permission of Art faculty.

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 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 221 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.

BIOL 225 Fundamentals of Cellular Biology **Credit 3 hours**

The form, function, and physiology of eukaryotic cells, prokaryotic cells, viruses, and prions. Prerequisites: 2 years high school chemistry OR CHEM 121, 131, or 140.

BIOL 231 Anatomy and Physiology **Credit 3 hours**

Physiology as well as the gross, living, and clinical anatomy of each organ system of the body. Donor bodies will be utilized. This course is designed for Biology majors and students entering the health professions. Must be taken concurrently with BIOL 231L. Prerequisite: BIOL 225.

BIOL 231L Anatomy and Physiology Laboratory **Credit 1 hour**

Laboratory experience in human anatomy and physiology, for the biology major. Must be taken concurrently with BIOL 231.

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. Prerequisite: BIOL 138/138L and BIOL 225.

BIOL 238L Plant Morphology Laboratory **Credit 1 hour**

Laboratory experience in the phylogenetic relationships of the plant kingdom. Must be taken concurrently with BIOL 238.

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. Prerequisite: 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 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. For second semester sophomores or juniors in Biology or Health Sciences majors.

BIOL 320 Supervised Study in Laboratory and Methods **Credit 1 hour**

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. Prerequisites: 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.

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 affects on the individual and population. Explores management alternatives to control disease and reduce impacts on wildlife populations. Prerequisite: 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. Prerequisite: Sophomore status or permission of Instructor and Dean.

BIOL 331 Human Sexual Biology **Credit 3 hours**

Biological aspects of human sexuality, including reproduction, alternate behaviors, and aging. Includes social and emotional aspects of sexuality. Designed to demystify our changing sexual culture.

BIOL 332 Genetics **Credit 3 hours**

Transmission of traits from generation to generation, including Mendelian, molecular, and population genetics. Prerequisites: BIOL 225, CHEM 131/131L or 140/140L, or permission of instructor.

BIOL 336 General Ecology **Credit 2 hours**

Factors that influence the distribution and abundance of organismal populations. Must be taken concurrently with BIOL 336L. Field trips required. Prerequisite: 6 hours of Biology excluding BIOL 136/136L.

BIOL 336L General Ecology Laboratory **Credit 1 hour**

Laboratory experience in describing and quantifying organismal 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. Prerequisite: BIOL 225.

BIOL 340L Human Anatomy Laboratory **Credit 1 hour**

Laboratory experience in human anatomy, using donor bodies. Must be taken concurrently with BIOL 340.

BIOL 341 Microbiology **Credit 3 hours**

Study of bacteria, molds, yeasts, algae, protozoa, viruses, and rickettsias. Must be taken concurrently with BIOL 341L. Prerequisite: 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. Prerequisites: BIOL 225 and BIOL 340/340L or consent of the instructor.

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 342.

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. Prerequisites: 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 and School Dean 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. Prerequisite: BIOL 422. Written permission of instructor is required.

BIOL 409 Senior Biology Research **Credit 1-2 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. Prerequisite: BIOL 311.

BIOL 412 Biotechnology **Credit 3 hours**

Hands-on procedures with lectures and readings to provide theoretical understanding and historical background of biotechnology work. Prerequisite or co-requisite: BIOL 332.

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. Prerequisites: BIOL 340/340L and BIOL 342/342L and written permission by the course instructor.

BIOL 423 Rural Health Issues **Credit 1 hour**

Cooperatively taught with the University of Nebraska Medical Center. Explores health issues specific to rural medicine and a rural health care practice. Permission of instructor needed.

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. Prerequisite: 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. Prerequisites: 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.

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. Prerequisites: 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. Prerequisites: 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. Prerequisites: 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. Prerequisites: 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. Prerequisites: BIOL 336/336L.

BIOL 435L Mammalogy Laboratory **Credit 1 hour**
Laboratory experience in mammal structure and function. Must be taken concurrently with BIOL 435.

BIOL 436A Research Microscopy **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. Prerequisites: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 of the Northern Great Plains **Credit 3 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 of the Northern Great Plains 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). Prerequisites: BIOL 332, 341/341L, and either CHEM 231/231L or CHEM 233/233L.

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. Prerequisite: 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. Prerequisites: 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, macroevolutionary patterns, microevolutionary processes, and synthesis. Prerequisites: BIOL 332.

BUSINESS ADMINISTRATION

B A 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.

B A 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. Prerequisite: Department's Mathematics Requirement or equivalent.

B A 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.

B A 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.

B A 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.

B A 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.

B A 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.

B A 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.

B A 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.

B A 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 100 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 130 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 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 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 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.

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 hours credit. May be repeated for up to six hours credit. Prerequisite: 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 and special education teachers 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 General Studies Physical Science elective.

CHEM 131 College Chemistry I **Credit 3 hours**
Principles and applications of general college chemistry. Concurrent enrollment in CHEM 131L is required. Prerequisite: High school algebra or Math 142, and high school chemistry or CHEM 121.

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. Prerequisite: 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 prerequisite for CHEM 132. Concurrent enrollment in CHEM 140L required. Prerequisite: High school algebra or Math 142, and high school chemistry or CHEM 121.

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. Prerequisite: 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 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.

CHEM 333 Organic Chemistry I**Credit 3 hours**

Nomenclature, reactions, multi-step synthesis, stereochemistry, mechanisms, and spectroscopy of organic compounds. Prerequisite: 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. Prerequisite: 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 BIOL 335L recommended. Prerequisite: CHEM 231/231L or CHEM 233/233L.

CHEM 335L Biochemistry I Laboratory**Credit 1 hour**

Laboratory experience in purification, quantitation, and characterization of biological molecules. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 and School Dean 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. Prerequisite: CHEM 310.

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. Prerequisite: CHEM 401.

CHEM 412 Biotechnology**Credit 3 hours**

Hands-on procedures with discussions and readings to provide theoretical understanding and historical background of biotechnology work. Prerequisite or co-requisite: BIOL 332 or consent of instructor.

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.

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. Prerequisite: CHEM 132/132L or CHEM 140/140L.

CHEM 433L Environmental Chemistry Laboratory**Credit 1 hour**

Laboratory experience in environmental chemical analysis. Prerequisite: 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. Prerequisites: CHEM 132/132L, and either MATH 138 or MATH 151.

CHEM 444L Physical Chemistry Laboratory**Credit 1 hour**

Laboratory experience. Prerequisite: 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. Prerequisites: CHEM 444/444L and MATH 151 or instructor approval.

COLLEGE

COLG 100 Adult Community Recreation**Credit 1 hour**

Basic recreational activity designed for the adult learner. Emphasis will be placed on flexibility, strength, and cardiovascular maintenance.

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.

COLG 131 Portfolio Development**Credit 1 hour**

Designed by the Alternate Learning Program to provide opportunities for granting credit for college-level learning acquired outside the traditional college classroom. Course content includes the development of an experiential learning portfolio, preparation of a degree plan, traditional and nontraditional avenues for earning college credit, and a basic college orientation to facilities, resources, services, policies, and personnel.

COLG 191 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 implications of knowledge construction, and organize the information in a compelling and bibliographic manner.

COMMUNICATION ARTS

C A 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.

C A 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.

C A 225 Communicating in Groups and Teams**Credit 3 hours**

Theory and practice of group and teamwork which occur in a variety of settings.

C A 230 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.

C A 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.

C A 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.

C A 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 cutlines for newspapers or other publications.

C A 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.

C A 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.

C A 260 Introduction to Communication Theory Credit 3 hours

Examination of the origins, development, and uses of communication theories as they apply to communication dynamics.

C A 333 News Journalism Credit 3 hours

The principles of news and feature writing in conjunction with publication of THE EAGLE, the student newspaper.

C A 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.

C A 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.

C A 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.

C A 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 objectives and activities. It includes writing, design and production techniques.

C A 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.

C A 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.

C A 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.

C A 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.

C A 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 and Dean is required.

C A 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 interculturality.

C A 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.

C A 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. Prerequisite: CA 333 or permission of Instructor.
- b. Production work on radio at Chadron State College.

C A 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. Prerequisite: CA 333 or permission of Instructor.

C A 435 Advanced Topics in Communications **Credit 1 - 3 hours**

Special topics in communications. May be repeated with change of emphasis.

C A 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.

C A 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.

C A 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.

C A 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.

**C A 450 Public Relations: Current Trends, Topics and Case Studies -
Advanced Studies in PR** **Credit 3 hours**

The course focus is on the management of public relations programs and covers the development and implementation of PR strategies, tactical planning and evaluation for integrated marketing communication. It uses a case studies approach for understanding how and why PR strategies succeed or fail. Students apply research and problem-solving techniques to real life public relations case problems including crisis management and event planning. Portfolio and presentation skills are used in addition to authentic learning with companies, government, community and non-profit organizations.

CRIMINAL JUSTICE

CJ 231 Introduction to Criminal Justice Credit 3 hours

Overview of the process of American criminal justice and the agencies that contribute to it, focusing on the structure, function, and decision-making processes of agencies that deal with the management and control of crime and criminal offenders-police, courts, and correctional systems.

CJ 232 Introduction to Law Enforcement Credit 3 hours

Roles of the police in American society, including nature of police organizations and police work and seeks to place these issues in a broader social, political, and legal framework. Focuses on the origin of policing, the nature of police organizations and police work, and patterns of relations between the police and the public. Prerequisite: CJ 231.

CJ 233 Law Enforcement Organization and Administration Credit 3 hours

Structure and function of a variety of law enforcement organizations including city, county, state, and federal jurisdictions. Theories of both leadership and organizational structure and the complex relationship between leadership and organizational goals, efficiency, expectations, and employer/employee relations will be explored. Prerequisite: CJ 231.

CJ 234 Correctional Casework and Practice Credit 3 hours

Overview of correctional theory, assessment, and practice. Special emphasis on strategies for classifying criminal offenders with respect to risks and needs and treatment methods currently used with offenders.

CJ 235 Fundamentals of Criminal Investigation Credit 3 hours

Basic theoretical and philosophical underpinnings necessary to understand the investigatory process. Overview of the application of the scientific method to documentation and management of the crime scene. Particular emphasis is placed on the role of first responders to a crime scene, chain of custody for crime scene evidence, and interaction with victims, witnesses, and potential perpetrators. Prerequisite: CJ 231.

CJ 236 Introduction to Corrections Credit 3 hours

Examines the historical context, philosophical concepts and major developments which have shaped corrections. Sentencing options, community and institutional correctional approaches and programs, the role of corrections in the larger criminal justice system and contemporary correctional issues will be examined. Prerequisite: 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

History and current issues of the relationship between police and their diverse communities, cross-cultural issues, interpersonal skills, changing demographics, political issues, and an appreciation of the difficult balance between policing and serving a community. Approaches to improving police and community relations will be explored. Prerequisite: CJ 231 and 232.

CJ 322 Juvenile Crime and Gangs Credit 3 hours

An examination of juvenile delinquency in the context of subcultures. Explores gang history and variations of gang practices by race, class and gender. Examines crime trends, patterns of delinquent behavior, and factors of causation of delinquent behavior as related to subcultures. Policies and intervention strategies relevant to this type of crime are considered.

CJ 323 Forensic Studies I Credit 3 hours

An overview of scientific crime detection and the major forensic disciplines. Students are introduced to theories and applications related to the collection, analysis, and interpretation, fingerprint evidence, questioned documents,

soil, fibers, firearm, wound, and impression evidence. Emerging technologies that aid in the interpretation of crime scene evidence. Prerequisite: CJ 231.

CJ 331 Criminal Law Credit 3 hours

Elements and proof of crimes which are of frequent concern in law enforcement with reference to principle rules of criminal liability. Importance of criminal law at the enforcement level is considered from crime prevention to courtroom appearance. Prerequisite: CJ 231 or LS 231. Cross-listed as LS 331.

CJ 332 Juvenile Delinquency Credit 3 hours

History and concept of delinquency, nature and extent of delinquency, theories of delinquency, and environmental influences of delinquency, including child abuse and neglect, school-based crime, gang control efforts, and the relationship between delinquency and drug abuse. Prerequisite: CJ 231. Cross-listed as SOC 332.

CJ 333 Judiciary and Constitutional Law Credit 3 hours

American law in action, the development of modern jurisprudence, structure and function of federal and state judicial systems, and the role of the legislature in the legal process. Development of the American governmental system through judicial interpretation of the Constitution. Cross-listed as LS 333 and PS 333.

CJ 334 Criminal Procedures Credit 3 hours

Procedural problems that occur in processing an individual through the criminal justice system with special emphasis on search and seizure. Cross-listed as LS 334.

CJ 336 Multicultural Issues in CJ Credit 3 hours

A broad overview of the current research that explores the impact of race, ethnicity, socioeconomic status, gender, geography and age as they relate to patterns of criminal behavior and victimization, police practices, court processing and sentencing. Prerequisite: CJ 231.

CJ 337 Introduction to Law Credit 3 hours

Examines 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

Philosophical foundations of community-based corrections, including social and political forces which shape this philosophy, as well as the workings of present day practices and the ramifications of community-based corrections. Focuses on probation, parole, and other current community based strategies for dealing with the offender. Prerequisites: CJ 231 and CJ 236.

CJ 339 Criminology Credit 3 hours

Introduction to the study of the nature and causes of criminal behavior. Theories of crime causation ranging through biological, psychological, sociological, and cultural theories are discussed in addition to the historical influences and thought 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

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. Prerequisite: 15 hours of Criminal Justice and permission of Instructor and Dean.

- 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. Prerequisite: CJ 236 or permission of Instructor.
- CJ 431 Institutional Corrections** **Credit 3 hours**
History and current status of jails and prisons, punishment rationales, institutional programs and procedures, inmates, social structures, the role of correctional officers and contemporary issues. Prerequisites: CJ 231 and CJ 236.
- CJ 432 Juvenile Law** **Credit 3 hours**
A course focusing on the legal status of children. Studies the development of statutory law and constitutional rights for juvenile offenders and the impact of these laws on the juvenile and the juvenile process in the United States. Cross-listed as LS 432.
- CJ 433 Rules of Evidence** **Credit 3 hours**
Evidence and rules governing the admissibility of evidence in court, and the effect of court decisions on acquisition and admissibility of evidence. Prerequisite: CJ 231 or LS 231. Cross-listed as LS 433.
- 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. Prerequisite: Criminal Justice senior or permission of instructor.
- CJ 435 Drugs, Alcohol and Crime** **Credit 3 hours**
Investigation of the relationship of drugs and alcohol on the nature and incidence of crime with focus on issues for police, courts and corrections.
- CJ 436 Seminar: Comparative CJ** **Credit 3-6 hours**
Focuses on the major criminal justice systems of the world, with special emphasis on Western Europe, the international Criminal Justice system, and terrorism. A field trip may be required.
- 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. Prerequisite: 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. Prerequisite: 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 Justices** **Credit 3 hours**
Examines ethical issues in the Criminal Justice system. Aids students in the comprehension of diverse ethical issues in both the social practice of criminal justice and the concerns 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. Prerequisite: 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.

CJ 444 Forensic Studies II Credit 3 hours

Theories, techniques, and applications of forensic methodologies to the collection, preservation, and interpretation of crime scene evidence. Included will be an examination of DNA evidence, forensic odontology, forensic entomology, serology, fiber and hair, toxicology, and the technologies utilized in interpreting this data. Prerequisite: CJ 235 or 323.

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

The course examines the various elements of human culture as reflected in selected countries that follow the common law tradition, the civil law tradition and the Islamic law tradition. Attention is given to the impact of cultural factors (historical, religious, social, and political) on the formal institutions, substantive law and procedures for social control of crime.

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. Prerequisites: 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. Prerequisites: CJ 323 or 444, or permission of Instructor.

DESIGN AND TECHNOLOGY EDUCATION

DTE 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.

DTE 230 Electrical and Electronic Systems Credit 3 hours

Introduction to electricity and electronic systems as they relate to industry. Students learn about direct current and alternating current, Ohm's Law and the Power Law, series and parallel circuits, capacitance, inductance and filtering. The course also introduces students to solid-state devices such as diodes and transistors. Students learn by both discussion and experimentation in this course. Experimentation is accomplished using simulation software.

DTE 232a Metal Manufacturing Processes and Systems: Welding Processes Credit 2 hours

Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on welding and cutting processes and materials. Special emphasis placed on GMAW, SMAW, GTAW, PAC, OAW and FGC.

DTE 232b Metal Manufacturing Processes and Systems: Machining **Credit 1 hour**

Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on machining processes and materials. Special emphasis on lathe and mill practices as well as newer developments in industry technology.

DTE 232c Metal Manufacturing Processes and Systems: Foundry and Forging **Credit 1 hour**

Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on forging and foundry processes and materials. Special emphasis on sand and investment casting as well as gas and coal forge work.

DTE 235a Construction Processes & Systems: Tools and Materials **Credit 1 hour**

Fundamentals of construction including wood, metal, and masonry materials. Topics include hand and power tool selection and operation, safety and material usage. Offered concurrently with DTE 235a and TH 245a.

DTE 235b Construction Processes & Systems: Techniques and Organizational Materials **Credit 1 hour**

Fundamentals of construction including wood, metal, and masonry materials. Topics include the application of safe and appropriate building and construction techniques and the organization and scheduling of projects. Special emphasis on alternative and sustainable practices. Offered concurrently with DTE 235b & TH 245b.

DTE 235c Construction Processes & Systems: Material Selection And Estimation **Credit 1 hour**

Fundamentals of construction including wood, metal, and masonry materials. Topics include the determination of appropriate materials and the development of cost estimates for small to medium size construction projects. Introduction to MS Excel as an estimating program. Special emphasis on alternative and sustainable practices. Offered concurrently with DTE 235c & TH 245c.

DTE 239 Energy, Power and Transportation: Processes and Systems **Credit 3 hours**

Energy production, power transformation and transportation systems used in industry. A special emphasis is placed on efficiency and the appropriateness of the technology being used. Alternative forms of energy production, as well as a study of transportation systems, are also part of this course. Students learn by both discussion and experimentation in this course.

DTE 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.

DTE 331 Humankind, Society and Technology **Credit 3 hours**

This is a discussion course that deals with technology and its influence on the society in which we live. This course focuses on recent events occurring in the world that are related to technology usage and development. The course is structured to address technical issues that affect individual students' lives and help them to make decisions regarding technology.

DTE 335 Construction Management **Credit 3 hours**

Advanced study in management of construction projects. Topics include management of personnel and equipment engaged in earth moving and excavation, concrete forming and placement, wood and steel fabrication and finish. Activities include planning, scheduling, safety and quality control, print reading, and contracts.

DTE 335a/339e/345j/360k Special Projects **Credit 1-3 hours**

Designed for the highly-motivated, advanced student. The student must submit a plan of study to the instructor and have instructor approval the semester prior to enrollment. It is strongly recommended that students interested in construction take DTE 335a, students interested in mechanical systems take DTE 339e, students interested in electronics take DTE 345j and students interested in computer aided drafting take DTE 360k.

DTE 337 Computer Aided Drafting and Design – (3 Dimensional) – CADD (3-D) Credit 3 hours

Advanced study in three-dimension drafting and design. Special emphasis on auxiliary views, revolutions, pictorial drawings, geometric dimensioning and tolerancing, and drawing applications particular to transfer to computer numerical control. Primary vehicle used for course is SolidWorks software.

DTE 339 Hydraulics and Pneumatics Credit 3 hours

This is an introductory course studying the basic foundations of fluid power. The course discusses both hydraulic and pneumatic systems including the components that make up these systems and devices that control such systems.

DTE 341 Plant and Laboratory Design and Management/LEED Credit 3 hours

Plant and laboratory design including organization of space; equipment selection, maintenance and production scheduling; as well as, purchasing and inventory procedures. Students are engaged in research discussion and project work during this course. Special emphasis is placed on energy conservation and reduced environmental impact. Students are introduced to LEED and LEED certification.

DTE 345e Control Electronics Credit 3 hours

Application of digital and analog programmable logic controls and smart circuits as they are used in residential and commercial settings. Additional emphasis is also given to sensors and transducers that are used in an industrial and commercial environments. Students learn by both discussion and experimentation in this course. Experimentation is accomplished using simulation software.

DTE 345k Residential and Commercial Wiring Credit 3 hours

Electrical wiring as it applies to residential and commercial structures and equipment. Special emphasis is placed on the National Electrical Code and its application in residential and commercial settings.

DTE 360b Residential and Commercial Planning Credit 3 hours

Advanced study in 3-D computer aided drafting emphasizing the development of drawing sets for a residence or commercial construction project. Activities in drawing foundation and floor plans, elevations and perspectives utilizing Chief architect software programs.

DTE 360c Architectural Design Credit 3 hours

Advanced study in 3-D computer aided drafting emphasizing the design and engineering of residential and commercial structures. Special emphasis placed on alternative construction designs and sustainability. Activities include individual and/or team development of complete architectural plans including complete drawing sets and model construction. Chief Architect software programs are utilized in this course.

DTE 360h Civil Drafting Credit 3 hours

Advanced study of mining, highway, metropolitan, and topographical mapping techniques. Activities include obtaining survey data for the development of maps and tables. Chief Architect software programs are utilized in this course.

DTE 360l Landscape Design Credit 3 hours

Site development plans will be drawn which will include plot plans and landscape plans. Landscape drawing may include residential, commercial, and recreation areas. Additional emphasis placed on xeriscapes and sustainability of vegetation. Chief Architect software programs are utilized in this course.

DTE 390 Internship in Design and Technology Credit 1-12 hours

Provides practical work experience in an agency related to industrial technology. Interested students should contact the Internship and Career Services office to secure application materials. Application should be made prior to the semester in which 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.

DTE 400 Independent Study or Research Credit 1-3 hours

Research in industrial technology. The problem selected and amount of work in its solution determine the number of credit hours. Prerequisite: Design and Technology Major and consent of advisor and dean.

DTE 432 Quality Assurance/Quality Control Credit 3 hours

Quality Assurance in terms of its relationship to design, testing, construction, and applications. Procedures and methods for quality control systems for construction industries.

DTE 433 Occupational Safety Credit 3 hours

An overview of occupational accident prevention programs: techniques of measurement, cost of accidents, locating and identifying accident sources, and selecting corrective action. Emphasizes the implications of the Federal Occupational Safety and Health Act of 1970 on construction operations, systematic self inspections, and compliance procedures.

DTE 435 Construction Estimation and Planning Credit 3 hours

Capstone study in construction management, utilizing Timberline and MS Excel software for planning, estimating, scheduling, and managing a residential or commercial construction project. Activities include development of construction management teams, and application to a construction project. Prerequisites: DTE 335 or permission of instructor.

DTE 439 Energy Generation and Sustainability Credit 3 hours

Capstone study in energy generation and sustainability of energy resources. Topics include both traditional and alternative sources of energy. Activities include research, design, and construction of energy generation applications. Prerequisites: DTE 239 or permission of instructor.

DTE 440 Special Topics in DTE Credit 1-3 hours

Study of contemporary areas of DTE.

ECONOMICS

ECON 130 Survey of Economics Credit 3 hours

Basic microeconomic 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 332 International Economics and Societies 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.

ECON 334 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. Prerequisites: Department's Mathematics Requirement; ECON 232; or consent of the instructor.

ECON 338 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. Prerequisites: Department's Mathematics Requirement, ECON 231, 232, or consent of the instructor.

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. Prerequisites: 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 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 schools, with an introduction to the use of technology as an instructional and learning tool. Basic technology skills will be developed using activities that can be integrated into the K-12 curriculum with the creation of audio-visual materials, Power Points, podcasting and online activity interaction. Computer use will be addressed by a review of the basics of computer operation; use of common educational databases; and use of computers to facilitate instruction. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisites: PPST, EDUC 131, SPED 230, EDUC 224, 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. Prerequisite: 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. Prerequisite: EDUC 131 and PSYC 231 or 334.

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. Techniques for exceptional learner will be emphasized. Prerequisites: 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. Prerequisites: 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.

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 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. Prerequisites: 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.

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. Prerequisites: PPST, EDUC 131, EDUC 224, 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 435 A – 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, science, and industrial technology (DTE). 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 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. Prerequisites for the course include successful completion of Teacher Education requirements as outlined in the General Bulletin. 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 8 hours**

Encompasses grades 4 through 6 and taken in conjunction with eight additional student teaching hours.

EDUC 480K Teacher Internship K-12 **Credit 8-16 hours**

Encompasses K-12 endorsements in art, music, physical education, and Mild/Moderate Disabilities (SPED). May be taken in conjunction with eight additional teacher internship hours.

EDUC 480L Teacher Internship K-8 **Credit 8 hours**

Encompasses field experience for K-8 endorsement programs. Taken in conjunction with eight additional teacher internship hours.

EDUC 480M Teacher Internship Middle School **Credit 8-16 hours**
Encompasses grades 4 through 9 and may be taken in conjunction with eight additional student teaching hours.

EDUC 480P Teacher Internship Primary **Credit 8 hours**
Encompasses grades K through 3 and taken in conjunction with eight additional teacher internship hours.

EDUC 480R Teacher Internship Early Childhood Education Unified **Credit 8 hours**
Encompasses teacher internship in a field experience with young children birth to age 8 and is taken in conjunction with eight additional teacher internship hours at the elementary level.

EDUC 480V Teacher Internship Mild/Moderate Disabilities K-12 **Credit 8-16 hours**
Encompasses grades K-12 and may be taken in conjunction with eight additional teacher internship hours.

EDUC 490S Secondary Teacher Internship **Credit 8-16 hours**
Sixteen weeks full-time in an off-campus center. A sixteen (16) hour load is the maximum number for which a student may enroll. Participation in campus activities is restricted and limited to weekends. Students participate in their assigned community school program on a full-time basis both in the classroom and in extra-classroom activities. Prerequisites: EDUC 411, 412, 414, 415, 418, 431.

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. Prerequisites: A minimal score of 19 on the ACT English test or a C in ENG 111 and a minimal score of 19 on the ACT Reading Test or a C in READ 125. Students may also satisfy these prerequisites with a passing score on an equivalent writing or reading test approved by the College.

ENG 136 Composition II **Credit 3 hours**
A continuation of Composition I with increased emphasis on the processes involved in developing essays requiring research. Prerequisite: ENG 135.

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. Prerequisite: A minimal score of 19 on the ACT Reading Test or a C in READ 125. Students may also satisfy these prerequisites with a passing score on an equivalent reading test approved by the College.

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 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 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 337 Technical Writing II** **Credit 3 hours**
A continuation of English 137, Technical Writing I, with emphasis on reports and writing for specific application to individual problems and publications. Prerequisite: ENG 137 or permission of Instructor.
- 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**
An exploration of writers and works that confront and cross borders – geographical, cultural and ethnic – throughout American history.
- 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.
- 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 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 and Dean 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. Field trips may be required.
- 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. Field trips may be required. 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 Language Arts **Credit 3 hours**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area. Prerequisites: PPST, EDUC 131, EDUC 224, EDUC 300, PSYC 231, and SPED 230, 334.

FAMILY AND CONSUMER SCIENCES

FCS 122 Perspectives in Family and Consumer Sciences **Credit 2 hours**

History, philosophy, and professional perspectives of the field as well as career exploration and academic planning. Lecture and discussion.

FCS 135 Alteration and Construction Techniques **Credit 3 hours**

Adaptation of commercial patterns as well as custom-fitting techniques for ready-made items. 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 objectives will build upon prior knowledge and skills.

FCS 139 Human and Development **Credit 3 hours**

Human development from conception through adulthood is analyzed from physiological, cognitive, and socio-emotional perspectives. Emphasis is on wellness. A combination of lecture, practical application and observation of the stages of development.

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.

FCS 234 Introduction to Health and Human Services **Credit 3 hours**

Exploration of careers within various health and human services areas. 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.

FCS 237 Guidance Techniques in Human Relations**Credit 3 hours**

Principles and techniques for understanding effective conflict resolution and guidance. Will focus on identifying common behaviors, teaching social-emotional skills, distinguishing positive guidance approaches, and developing abilities to support self-control and self-discipline in building human relations. Includes field experiences where students will demonstrate skills in observation, documentation, assessment and evaluation for appropriate guidance practices.

FCS 238 Prenatal and Infant Development**Credit 3 hours**

Social, emotional, intellectual/cognitive, and physical development of the child between the ages of 0 and 3, including pregnancy. Theoretical concepts, developmental stages, and develop skill competencies necessary to enhance the growth and development of the infant. Integration of knowledge base skills and competencies through observation and practical laboratory experiences.

FCS 239 Partners in Early Childhood Education**Credit 3 hours**

Focuses on principles, methods 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 and community building 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.

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. May be repeated for up to a total of four hours credit. First year students will enroll in 314a, second years students 314b, juniors 314c, and seniors 314d. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

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. Emphasis will be placed on the economic and social needs of individuals involved with an aging and dying person.

FCS 321 Curriculum Development for Early Childhood**Credit 2 hours**

Examines curriculum models and developmental needs of children birth to age 8, in natural, inclusive environments. Students apply skills in planning, organizing and developing activities, lesson plans and unit plans through knowledge base content and laboratory experiences.

FCS 331 Resource Management**Credit 3 hours**

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.

- 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.
- FCS 340 Current Trends in Design** **Credit 1-3 hours**
Design and construction trends will be explored. This course may be repeated for up to 6 credit hours.
- FCS 341 Textiles** **Credit 4 hours**
Natural and man-made fibers, yarns, and methods of fabrication, fabric finishes, and their performances. Legislation, merchandizing, and consumer issues are also investigated.
- 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. Prerequisite: Consent of the instructor and the academic Dean of the school.
- FCS 417 Lifespan Wellness** **Credit 3 hours**
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.
- FCS 421 Organization, Administration and Curriculum of FCS** **Credit 2 hours**
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. Completion of a professional portfolio.
- 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.
- 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 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.

FCS 437 Family Strengths Credit 3 hours

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 1-3 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 of principles, theory, structure, function, and operation of programs for young children. Includes application of principles to development of daily and weekly unit plans, menus, and curriculum for coordination of a total program. The course requires laboratory experiences in an early childhood setting. Prerequisites: 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

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 238 Risk Management and Insurance Credit 3 hours

Examines the principal's risk and insurance, the components of an insurance contract, and the insurance market; and reviews the typical commercial lines of insurance policies. Topics include the principles of indemnity, utmost good faith, insurable interest, stock and mutual insurers, insurance intermediaries, and property, liability, and estate planning.

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. Prerequisites: 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. Prerequisites: Department's Mathematics Requirement and FIN 330 or equivalencies.

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. Prerequisites: Department's Mathematics Requirement; ACTG 241 and ECON 232, or equivalencies.

FIN 339 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. Prerequisite: Department's Mathematics Requirement or equivalency.

FIN 430 Real Estate Investments**Credit 3 hours**

Focuses upon technical skills required to value, finance and structure real estate transactions. Topics include: investment analysis for existing income-properties (pro-forma cash flow projections, financial ratios, alternative debt and equity financing structures, and risk analysis); ownership, taxation and financial structures; financing of real estate development; real estate in a portfolio context and the securitization of debt and equity interests in real property. Prerequisites: Department's Mathematics Requirement and FIN 330 or equivalencies.

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. Prerequisites: BA 336 and FIN 330 or equivalencies.

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. Prerequisites: 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.

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 General 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.

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 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 prerequisite: 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. Prerequisite: GEOS 234/234L or approval of instructor.

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. Prerequisite: 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 and School Dean 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. Prerequisite: 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. Prerequisite: GEOS 401.

GEOS 426A Research Microscopy**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. Prerequisites: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: GEOS 231/231L or approval of instructor.

GEOS 439 Sedimentology and Stratigraphy **Credit 3 hours**

The origin and characteristics of sedimentary rocks. Prerequisite: 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. Prerequisites: GEOS 338, 431, 432 and 439, or approval of instructor. Instructional fee required.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

HPER 100 Individualized Fitness **Credit 1 hour**

An independently designed program to allow students to individually follow programs to meet their fitness needs.

HPER 101 Adapted Physical Education **Credit 1 hour**

Designed for students who have physical limitations which prevent participation in any other activity courses. Physical and recreation activities are adapted to special needs of the students enrolled. Recommendation from a physician is required.

HPER 102 Archery/Riflery/Skeet and Trap Shooting **Credit 1 hour**

To develop skills and knowledge of archery, riflery, skeet, and trap shooting.

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 104 Tennis **Credit 1 hour**

The rules, etiquette, grip, forehand strokes and backhand strokes, serving, volleying, and singles and doubles play are emphasized.

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| HPER 110 Physical Fitness | Credit 1 hour |
| Fundamentals, concepts, and design of individual fitness programs and participation in a variety of fitness activities. | |
| HPER 111 Social Dance | Credit 1 hour |
| To develop skills in a wide variety of social dances. | |
| HPER 112 Aquatics | Credit 1 hour |
| To develop an intermediate level of swimming ability. | |
| HPER 114 Canoeing/Casting and Angling | Credit 2 hours |
| Casting and spinning techniques, maintenance of equipment, and practical application of fishing skills, such as identifying and locating pan and game fish, types of uses of lures and live bait, and retrieving methods. To develop the skills of canoeing, skills of carrying, launching, and positioning as well as the different types of strokes. | |
| HPER 117 Volleyball/Soccer | Credit 1 hour |
| To develop skills and knowledge in the sports of volleyball and soccer. | |
| HPER 118 Basketball/Softball | Credit 1 hour |
| To develop skills and knowledge in the sports of basketball and softball. | |
| HPER 119 Aerobic Dance | Credit 1 hour |
| To develop the necessary skills to participate in aerobic dance and utilize the activity to enhance physical fitness. | |
| 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 124 Anatomical Kinesiology | Credit 1 hour |
| Detailed work on the skeletal muscular system with direct applications to movement, stretching and strengthening of skeletal muscles. Must be taken concurrently with HPER 124L. | |
| HPER 124L Anatomical Kinesiology Lab | Credit 1 hour |
| Lab experience. Must be taken in conjunction with HPER 124. | |
| 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 202 Handball | Credit 1 hour |
| To develop skills and knowledge of handball. | |
| HPER 203 Orienteering and Backpacking | Credit 1 hour |
| To develop the skills and knowledge to properly utilize the compass and topographical map in orienteering and the skills and knowledge required for backpacking. | |
| HPER 205 Triathlon | Credit 1 hour |
| To develop the skills and knowledge necessary for a mini-triathlon, swimming, cycling, and running. Training for a class triathlon at the end of the semester. (Students must have access to a ten-speed bicycle.) | |
| HPER 206 Advanced Weightlifting | Credit 1 hour |
| Individualized instruction to accommodate the advanced lifters in Olympic lifting, power lifting, body building, and program development and evaluation. | |
| HPER 210 Badminton/Pickleball | Credit 1 hour |
| To develop skills and knowledge of badminton and pickleball. | |

- HPER 212 Racquetball** **Credit 1 hour**
To develop the skills and knowledge of racquetball.
- HPER 213 Bowling** **Credit 1 hour**
To develop skills and knowledge of bowling. Additional fees required.
- HPER 214 Advanced Swimming** **Credit 1 hour**
The correct techniques in swimming nine basic strokes, front dives, and surface dives. Also includes basic rescue skills and survival swimming.
- HPER 215 Fencing** **Credit 1 hour**
To develop skills and knowledge of fencing.
- HPER 216 Weight Training** **Credit 1 hour**
Improve strength, increase muscle size, reduce the risk of injury, and improve general fitness levels by promoting and developing proper lifting techniques through increased knowledge of the muscle system.
- HPER 217 Red Cross Lifeguard Training** **Credit 1 hour**
Skills and knowledge needed for lifeguarding and managing aquatic facilities. Prerequisite: Advanced swimming skills and current First Aid and CPR certificate.
- HPER 218 Martial Arts** **Credit 1 hour**
A beginning course in one of the martial arts, covering etiquette, basic techniques, safety, rules, and contests.
- HPER 219 Square and Round Dancing** **Credit 1 hour**
Skills and knowledge in square and round dancing.
- 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 objectives 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 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 Physiological Kinesiology** **Credit 2 hours**
Nervous, skeletal, muscular, circulatory, and respiratory systems of the body as it applies to, and is affected by, exercise. Must be taken concurrently with HPER 232L. Prerequisite: HPER 124, and 124L or permission of department Chair.
- HPER 232L Physiological Kinesiology** **Credit 1 hour**
Lab experience. Must be taken concurrently with HPER 232.
- HPER 233 Personal Health and Wellness** **Credit 3 hours**
Knowledge and practice in making decisions which effect 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 312 Apparatus** **Credit 1 hour**
Fundamental, intermediate, and advanced skills, relating to the various gymnastics equipment. Emphasis is placed on teaching and spotting techniques.
- HPER 313 Tumbling** **Credit 1 hour**
Fundamental, intermediate, and advanced skills in tumbling. Emphasis is placed on teaching and spotting techniques.
- HPER 314 Red Cross Water Safety Instruction** **Credit 1 hour**
Will qualify the student to instruct in Red Cross Swimming and Water Safety programs. Prerequisites: Swimmers Certification or equivalent skills.
- HPER 321 Coaching Techniques—Football** **Credit 2 hours**
Fundamentals and coaching techniques in football. Prerequisite: HPER 220.
- HPER 322 Coaching Techniques—Basketball** **Credit 2 hours**
Fundamentals and coaching techniques in basketball. Prerequisite: HPER 220.
- HPER 323 Coaching Techniques—Volleyball** **Credit 2 hours**
Fundamentals and coaching techniques in volleyball. Prerequisite: 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. Prerequisite: Competency in a minimum of four individual and dual sports activities.
- HPER 326 Motor Skill Learning** **Credit 2 hours**
Exploration and explanation of materials, methods, and mechanisms that underlie the learning and performance of motor skills.
- 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. Prerequisite: 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. Prerequisite: HPER 124, 124L, 232, 232L.
- 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. Education graduates need to take this course as a prerequisite to HPER 429.
- 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. Prerequisite: HPER 220.
- 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. Prerequisite: HPER 220.
- HPER 424 Coaching Techniques—Track** **Credit 2 hours**
Fundamentals and coaching techniques in track. Prerequisite: HPER 220.
- HPER 425 Coaching Techniques—Golf & Tennis** **Credit 2 hours**
Fundamentals and coaching techniques in golf & tennis. Prerequisite: HPER 220.
- HPER 426 Coaching Techniques—Baseball & Softball** **Credit 2 hours**
Fundamentals and coaching techniques in baseball & softball. Prerequisite: HPER 220.
- HPER 427 Elementary Rhythmics** **Credit 2 hours**
Review of rhythmic activities and the methods of teaching rhythmics to the elementary school student. Students will learn to perform a variety of rhythmic activities and the methods of teaching educational dance.
- HPER 428 Curriculum in Health Education** **Credit 3 hours**
A foundation in school health education, including health services, healthful school living, and health instruction. To develop skills in organizing and presenting comprehensive and sequential health curriculum of standard and controversial topics. Prerequisites: HPER 233.
- HPER 429 Basic Movement Education for Children** **Credit 2 hours**
Practical experience in designing and implementing physical education activities which develop fundamental and sport-related movement skills. Prerequisite: HPER 339.
- 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. Prerequisite: 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. Prerequisite: HPER 134.
- HPER 435 Curriculum Planning in Physical Education** **Credit 3 hours**
History and trends in Physical Education. Principles and procedures for curriculum construction and criteria for selection of activities and judging outcomes. Students will develop a K-12 Physical Education Curriculum.
- 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. Prerequisite: HPER 234 and 333. 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.

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. Prerequisite: HPER 124, 124L, 232, and 232L 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 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. Prerequisite: 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. Prerequisites: Identification of required internships and prerequisites for each as follows:

- a. Recreation: HPER 226, 234, and 333
- 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 231 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 232 U.S. History Since 1877 **Credit 3 hours**

Continuation of HIST 231, 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 233 Western Civilization I **Credit 3 hours**

Survey of Western Civilization and its relations with other world civilizations from the prehistoric and ancient periods to 1648 with emphasis upon political, cultural, social, economic, and religious movements.

HIST 234 Western Civilization II **Credit 3 hours**

Survey of Western Civilization and its relations with other world civilizations from 1648 to the present with reference to political, social, economic, and cultural developments including emphasis on the ascendancy of Europe in world affairs.

HIST 321 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 331 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 332 History of England **Credit 3 hours**

Development of the political, social, and economic institutions of England.

HIST 335 Imperial Russia **Credit 3 hours**

Russian history from the coming of the Varangians, through the Mongol invasion, to the evolution of the Muscovite state and the Romanov dynasty. Social, political, economic, and cultural developments receive attention.

HIST 336 The Soviet Union **Credit 3 hours**

Last days of Imperial Russia, the Bolshevik Revolution of 1917, Soviet economic, social and political reforms, Stalinist totalitarianism, the ideological conflict, Soviet foreign policy, and the end of the Soviet state.

HIST 337 Modern Germany **Credit 3 hours**

History of Modern Germany covering the period of the German Empire and of the German Republics. Emphasis is placed upon political and economic development, the influence of German culture, and international relations.

HIST 338 The World Since 1945 **Credit 3 hours**

Selected topics in World History since World War II. The evolution of the Cold War, the function of the United Nations, and the revolt against colonialism are emphasized.

HIST 339 Nebraska History **Credit 3 hours**

History of Nebraska with emphasis on geographical, social, political, and economic factors. May require field trips.

HIST 344 U.S. Political History in the 20th Century **Credit 3 hours**

History of American politics and political movements between 1896 and 2001. Particularly focuses on how changes to an increasingly urban and internationally powerful country changed its political processes and values. Cross-listed as PS 344.

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 and Dean is required.

HIST 429 Civil Rights and the Vietnam War **Credit 3 hours**

A study of the origins, rationales, and results of the Civil Rights movement and the background, strategies, reasons for failure, and long-term effects of the Vietnam conflict.

HIST 430 History of the American Indian **Credit 3 hours**

A survey of Indian-white relations from American pre-history to the present. The course will emphasize the contributions made by American Indians to the general historical development of the United States.

HIST 431 Europe: Waterloo to World War I **Credit 3 hours**

European history in the 19th century, emphasizing the rise of nationalism and industrialism, and the resultant changes in European society.

HIST 432 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 435 History of Historical Writing **Credit 3 hours**
Methods of historical research, writing, and criticism, with emphasis on bibliography and historical interpretation.

HIST 436 America in the Twentieth Century **Credit 3 hours**
A study of the growth of the United States during the last 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 437 Issues in European History **Credit 3 hours**
Selected topics of investigation in European history. May be repeated with different emphasis.

HIST 441 Issues, Topics, and Workshops in History **Credit 1-3 hours**
Selected topics or issues appropriate for study in a traditional classroom setting, seminar, or workshop format. May be taken more than once with different content with the permission of the instructor and Dean. Current topics include, but are not limited to: Women's History, Mari Sandoz Workshop, History of Sports in the United States, and Topics in United States Military History.

HIST 442 Europe in the Middle Ages **Credit 3 hours**
History and culture of Western Europe from the late Roman Era to the crises of the late Middle Ages including the transition from ancient to medieval civilization, Latin Christianity, the Carolinian Era, the papacy, feudal and manorial society, and the early emergence of the nation-state.

HIST 443 The Era of World War II **Credit 3 hours**
Study of the era of World War II as the pivotal and defining era of United States history in the Twentieth Century.

HIST 444 History of the American Colonies and the American Revolution **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 period of Independence.

HIST 445 The United States: The Early Republic **Credit 3 hours**
Study of the issues and themes in the history of the United States from the nation's founding to the era of sectionalism that led to the Civil War.

HIST 446 The American West, 1500-1890 **Credit 3 hours**
Study of 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 447 The American West, 1890 to Present **Credit 3 hours**
Study of the American West from 1890 to the present, emphasizing the contributions of Native Americans, Anglos, Hispanics, African Americans, and Asian Americans to the region's rich history. Prominent themes, including aridity, "the mythic West," and conflict with the federal government, will be investigated.

HIST 448 Sectionalism, Civil War and Reconstruction **Credit 3 hours**
Traces the history of sectionalism in the United States from the Missouri Compromise through the Civil War, closing with the end of military reconstruction in 1877.

HIST 449 Turn of the Century America **Credit 3 hours**
A study of the years 1865 to 1915. Included topics will be reconstruction of the post-war South, immigration, urbanization, the labor movement, American settlement of the west, Populism and Progressivism, the Spanish-American/Theodore Roosevelt era growth in American international power, and the drift towards world war.

HIST 450 World War I **Credit 3 hours**
 A study of the first world war from the perspective of Europe and the United States.

HIST 451 History of Canada to 1867 **Credit 3 hours**
 Examines the fascinating history of Canada from its beginnings to 1867. This course investigates the political, social, and economic development of Canada from the formation of First Nations societies to Confederation. Some of the topics will include: early European explorations, the rise and fall of New France, the fur trade, the expansion of British North America, the rebellions of Upper and Lower Canada, and Confederation.

HIST 452 History of Canada Since 1867 **Credit 3 hours**
 Examines the history of Canada from 1867 to the present. This course investigates the political, social, and economic development of Canada since Confederation. Some of the course themes will underscore Canada's participation in global events and trends, such as industrialization, World Wars I and II, the Great Depression, the Cold War, and globalization. Other issues, more specific to Canada, will also be covered: the evolution of Canadian identity, relations with First Nations' peoples, Canada's relationship to the United States, and lingering tensions between English-speaking and French-speaking Canadians

HIST 453 American Environmental History: Problems, Advances, Contradictions **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.

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. Prerequisite: A minimal score of 19 on the ACT Reading Test (or equivalent reading test approved by the college) or a C in READ 125.

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. Prerequisite: A minimal score of 19 on the ACT Reading Test (or equivalent reading test approved by the College) or a C in READ 125.

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. Prerequisite: A minimal score of 19 on the ACT Reading Test (or equivalent reading test approved by the College) or a C in READ 125.

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. Prerequisite: A minimal score of 19 on the ACT Reading Test (or equivalent reading test approved by the College) or a C in READ 125.

HUM 235 The Humanistic Tradition IV: Modernity and Post-Modernity **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. Prerequisite: A minimal score of 19 on the ACT Reading Test (or equivalent reading

test approved by the College) or a C in READ 125.

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 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 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 comprehensive overview of the law office environment; a general knowledge of legal assistant and lawyer roles; and an understanding of substantive areas of law, ethics, and legal analysis.

LS 232 Litigation/Civil Procedures **Credit 3 hours**

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**

Substantive tort law that is the basis for trial preparation, focusing on a comprehensive understanding of substantive tort law and terminology, preparation of trial notebooks, working with experts, preparing exhibits, researching motions, and drafting jury instructions.

LS 235 Administrative Law **Credit 3 hours**

Role and function of administrative agencies in contemporary society. Focuses on 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**

Substantive law of marriage, divorce, legal separation, child support and custody, property division, 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**
Introduces students to basic legal research and legal analysis. Focuses on how to locate and read statutes and cases, and exposes students to the IRAC analytical process. Fundamentals of legal writing will be introduced. Special emphasis will be given to computer-aided legal research.
- LS 323 Law and the American Society** **Credit 3 hours**
Nature, functions, and limits of law and its impact on economic, political, and social institutions.
- LS 331 Criminal Law** **Credit 3 hours**
Elements and proof of crimes which are of frequent concern in law enforcement with reference to principal rules of criminal liability. Importance of criminal law at the enforcement level is considered from crime prevention to courtroom appearance. Prerequisite: LS 231 or CJ 231. Cross-listed as CJ 331.
- LS 332 The Law of Contracts** **Credit 3 hours**
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 drafting and evaluation of contracts.
- LS 333 The Judiciary and Constitutional Law** **Credit 3 hours**
American law in action, the development of modern jurisprudence, structure and function of federal and state judicial systems, and the role of the legislature in the legal process. Development of the American governmental system through judicial interpretation of the Constitution. Cross-listed as CJ 333 and PS 333.
- LS 334 Criminal Procedures** **Credit 3 hours**
Procedural problems that occur in processing an individual through the criminal justice system with special emphasis on search and seizure. Cross-listed as CJ 334.
- LS 337 Introduction to Law** **Credit 3 hours**
Examines 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**
Focuses on advanced research and writing principles including case synthesis, the creation of factual and policy arguments, and counteranalysis. Emphasis is placed upon completion of legal research projects including preparation of interoffice memoranda, court briefs and legal correspondence. Prerequisite: LS 238 or permission of instructor.
- LS 343 Commercial Law** **Credit 3 hours**
Study of the Uniform Commercial Code and related federal and state laws and their relevance to the law office environment and commercial practice. Emphasis is placed on 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**
Provides 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. Prerequisite: 15 hours of Legal Studies and permission of instructor and Dean.
- LS 431 Introduction to Estates and Trusts** **Credit 3 hours**
Procedures, techniques, substantive law, and the administration of estates and trusts, with special emphasis on the drafting of wills, simple trusts, and pleadings and documents for probated administration.

LS 432 Juvenile Law Credit 3 hours

A course focusing on the legal status of children. Studies the development of statutory law and constitutional rights for juvenile offenders and the impact of these laws on the juvenile and the juvenile process in the United States. Cross-listed as CJ 432.

LS 433 Rules of Evidence Credit 3 hours

Evidence and rules governing the admissibility of evidence in court and the effect of court decisions on acquisition and admissibility of evidence. Prerequisites: LS 231 or CJ 231. Cross-listed as CJ 433.

LS 434 Law of Real Estate Credit 3 hours

Introduction to 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

Sole proprietorships, partnerships, corporations and limited liability companies, emphasizing the advantages and disadvantages of different business entities and the formation and financial structure of each.

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. Prerequisite: 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. Prerequisite: Permission of Instructor. Cross-listed as CJ 442.

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. Prerequisite: 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 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.

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.

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 objectives 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.

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.

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.

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. Prerequisites: 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. Prerequisite: 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. Prerequisite: 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. Prerequisites: 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. Prerequisite: 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 objectives.

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 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. Prerequisite 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. Prerequisite: 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. Prerequisite: 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, indepth studies of business/marketing plans and strategies, and/or business cases/business simulation. Prerequisites: 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. Prerequisites: 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 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 General Studies or specific program requirements. Prerequisite: MATH ACT greater than 15 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: Two years of high school algebra.

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. Prerequisite: Math ACT greater than 18 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. Prerequisite: 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. Prerequisite: 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 General Studies mathematics requirement.

MATH 237 History and Foundations of Mathematics**Credit 3 hours**

Logic, proof, relations, sets, functions, and history of mathematics. Prerequisite: two years of high school mathematics or equivalent.

MATH 239 Discrete Mathematics**Credit 3 hours**

Graph theory, matrices, recurrence relations, linear programming, difference equations, combinatorics, Boolean algebra, and trees. Applications included. Prerequisite: two years high school algebra.

MATH 252 Calculus II**Credit 5 hours**

Integral calculus with applications of differentiation and integration. Sequences and series. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: MATH 237 or permission of instructor.

MATH 335 Mathematics for the Elementary Teacher II**Credit 3 hours**

Geometry, probability, and statistics for elementary and middle grade levels. Prerequisite: MATH 235 or equivalent. Does not apply toward General Studies mathematics requirement.

MATH 336 Calculus III**Credit 3 hours**

Multivariate calculus, infinite series, introduction to differential equations, line and surface integrals, and vector calculus. Prerequisite: MATH 252 or equivalent.

MATH 337 Elementary 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. Prerequisite: MATH 135, 138, 142, or equivalent.

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. Prerequisites: 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, congruences, finite algebras, Diophantine equations, and numerical functions. Prerequisites: MATH 142 and 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 and Dean 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. Prerequisite: Permission of instructor.

MATH 410 Mathematics Seminar**Credit 1 hour**

Reports and discussions of topics of current 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. Prerequisite: MATH 237 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. Prerequisite: MATH 232 or equivalent.

MATH 434 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. Prerequisites: MATH 237 and 252, 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: Fifty percent of endorsement completed.

MILITARY SCIENCE LEADERSHIP

MSL 101 Leadership and Personal Development**Credit 1 hour**

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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: MSL 102.

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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Prerequisite: 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. Corequisite: 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.

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. Corequisite: 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. Corequisite: 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. Corequisite: MSL 412.

MSL 402L Leadership in a Complex World Lab

Credit 2 hours

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. Corequisite: MSL 402.

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. Students may take more than one topics course for credit. There are usually no prerequisites for these courses. This course may be taken multiple times, when topics have different content. 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 collections development, 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, and 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 survey of museum education introduces students to the educational role of museums and informal learning centers. A variety of methods available to museums, including hands-on activities, self-teaching materials, technology, outreach, tours, and drama are explored through exercises, projects, museum visitor observation, and in-museum classes. 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 1-12 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 work hours.

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.

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.

MUS 100 Elective Private Music Instruction Credit 1 hour

Open to nonmajors 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. Prerequisite: 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 music majors and minors.

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.

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.

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.

MUS 105 Jazz Ensemble **Credit 1 hour**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

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.

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 111u 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 112 Music Fundamentals **Credit 2 hours**

The development of the basic skills of music fundamentals for the classroom teacher. Required as prerequisite for MUS 333. (Requirement may be met by test-out examination.)

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.

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. Prerequisite: Permission of instructor.

MUS 116 Piano Class for Nonmajors **Credit 1 hour**

Introduction to keyboarding for students having limited or no piano background or experience. Emphasis will be placed on gaining physical coordination and familiarity with the keyboard. This course does not serve to fulfill piano proficiency requirements for the music major or minor.

MUS 117 Piano Class I **Credit 1 hour**

Instruction in basic keyboard skills, including major scales and arpeggios, specified chord progressions, sight-reading, and harmonization of simple melodies.

MUS 118 Piano Class II **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. Prerequisite: MUS 117 or permission of instructor.

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.

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.

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. 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. Prerequisite: 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.

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. Prerequisite: 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. Prerequisite: MUS 199 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 furnished.

MUS 220 Piano Class III **Credit 1 hour**

Continued 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. Prerequisite: MUS 118 or permission of instructor.

MUS 221 Keyboard Skills for the Classroom Teacher **Credit 1 hour**

Refinement of keyboard skills with direct application to the music education environment, with emphasis in harmonization, score reading and accompanying. Prerequisite: MUS 220 or permission of instructor.

MUS 230 Voice Class for Nonmajors **Credit 1 hour**

Beginning vocal instruction and master class for nonmusic majors. Includes a study of vocal techniques and their application in selected vocal literature.

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. Prerequisite: 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. Prerequisite: 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 Elements of Music **Credit 3 hours**

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.

MUS 236 Topics in Music **Credit 1-3 hours**

To meet the specific needs of a group of students by studying areas of music not presented in the curriculum. The class will include lecture, demonstrations, writing, and performance. May be repeated with different emphasis.

MUS 238 Diction for Singers **Credit 1 hour**

This course covers the study of diction for singers in four languages. The International Phonetic alphabet will be used in analyzing song texts in terms of diction and pronunciation.

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 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. Prerequisite: At least one prior semester of MUS 215 or permission of instructor.

MUS 300 Elective Private Music Instruction Credit 1 hour

Open to nonmajors 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. Prerequisite: 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.

MUS 303 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.

MUS 304 Vocal 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.

MUS 305 Jazz Ensemble Credit 1 hour

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

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.

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 Music Literature Credit 2 hours

Basic principles of listening to music applied to masterworks selected from the standard repertoire. Representative works will be chosen from the symphony, the concerto, vocal and instrumental chamber music, choral music, and opera.

MUS 313 String Pedagogy Credit 1 hour

Introduction to the teaching of violin, viola, violoncello, and string bass. Includes study of pedagogy, string performance, repertoire and materials, and classroom management.

MUS 314 Percussion Pedagogy Credit 1 hour

Introduction to the teaching of the various percussion instruments. Includes study of pedagogy, percussion performance, repertoire and materials, and classroom management.

- 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. Prerequisite: MUS 299.
- MUS 315r Instrument Repair Techniques** **Credit 1 hour**
Laboratory course. Practice in learning the technique of repairing brass, woodwind, and percussion instruments.
- 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 316 Vocal Pedagogy** **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.
- MUS 317 Seminar in Accompanying Techniques** **Credit 1 hour**
Basic problems of accompanying, as well as problems peculiar to certain media. Students will be assigned to supervise accompanying for lessons and recitals. Prerequisite: Permission of Instructor.
- MUS 319a Piano Pedagogy** **Credit 1 hour**
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 Music Studio Operations** **Credit 1 hour**
Practical issues of operating an independent piano studio. Issues such as recruitment, retention, contracts, studio policies, income tax, and maintaining consistent monthly income will be discussed in-depth.
- MUS 320 Brass Pedagogy** **Credit 1 hour**
Introduction to the teaching of cornet (trumpet), French horn, trombone, baritone, and tuba. Includes study of pedagogy, brass performance, repertoire and materials, and classroom management.
- MUS 321 Choral Conducting** **Credit 2 hours**
Study of conducting techniques and choral literature. Prerequisite: MUS 220, 240.
- MUS 322 Instrumental Conducting** **Credit 2 hours**
Techniques of conducting instrumental organizations and the study of instrumental literature. Prerequisite: MUS 220, 240.
- MUS 323 Woodwind Pedagogy** **Credit 1 hour**
Introduction to the teaching of clarinet, oboe, flute, saxophone, and bassoon. Includes study of pedagogy, woodwind performance, repertoire and materials, and classroom management.
- MUS 324 Women's 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.
- MUS 325 Men's 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.
- 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 329 Developing Music Literacy in Children **Credit 3 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.

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.

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. Prerequisite: MUS 112.

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. Prerequisite: MUS 336.

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. Prerequisite: at least one prior semester of MUS 315.

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 or Dean is required.

MUS 412 The Techniques of the Marching Band **Credit 1 hour**

Comparative techniques of movement and music.

MUS 413 Songwriting/Arranging and MIDI I **Credit 1 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. Prerequisite: 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 hour**
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. Prerequisite: MUS 321 or MUS 322.
- MUS 423 Piano Studio Literature** **Credit 1 hour**
Study of piano literature for use in the independent piano studio that extends beyond the methods materials and progresses sequentially through late-intermediate and early-advanced literature.
- MUS 424 Piano Studio Technique and Theory** **Credit 1 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 Twentieth 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. Prerequisite: MUS 132.
- MUS 430 Topics in Music** **Credit 1-3 hours**
Examines a special topic in music. Topics vary from semester to semester. May be repeated.
- MUS 431a Elementary Music Endorsement** **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 Music and K-12 Music.
- 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 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.

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. Prerequisite: 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 or READ 125.

PHIL 231 Introduction to Philosophy **Credit 3 hours**

A study of traditional and contemporary approaches to major philosophical issues. Prerequisite: A minimal score of 19 on the ACT Reading Test (or equivalent reading test approved by the College) or a C in READ 125.

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 Logic **Credit 3 hours**

A study of methods for systematic, critical evaluations of assertions and arguments.

PHIL 400 Independent Study or Research **Credit 1-3 hours**

Advanced study or research in a special field of philosophy. Permission of Instructor and Dean 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. Prerequisites: 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. Prerequisites: 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. Prerequisite: 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. Prerequisite: PHYS 241/241L.

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. Prerequisites: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: MATH 138 or 151.

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 and Dean 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 effect environmental change.

PHYS 444 Thermodynamics **Credit 3 hours**
Principles of statistical physics and applications to the laws of thermodynamics. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 School Dean 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 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 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 objectives 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**

American law in action, development of modern jurisprudence, structure and function of federal and state judicial systems, and the role of legislature in the legal process. Development of the American governmental systems through judicial interpretation of the Constitution. Cross-listed as CJ 333 and LS 333.

PS 334 Public Opinion and Propaganda **Credit 3 hours**

This course includes analysis of influences on public opinion, influences of public opinion on the political process, and measurement of public opinion. Specific topics included are techniques of attitude change, the influence of the media, and demographic correlates of public opinion. Students will participate in a study measuring public opinion. Cross-listed as SOC 334.

PS 337 Introduction to Law Credit 3 hours

Structures of our legal system, considering 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 CJ 337.

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 344 U.S. Political History in the 20th Century Credit 3 hours

History of American politics and political movements between 1896 and 2001. Particularly focuses on how changes to an increasingly urban and internationally powerful country changed its political processes and values. Cross-listed as HIST 344.

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 and Dean is required.

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 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 General Psychology Credit 3 hours

An overview of psychology, with introduction to perspectives and research findings in subfields which are part of psychology, including sensation and perception, motivation and emotion, learning and memory, thinking and intelligence, developmental psychology, abnormal psychology, and social psychology are also covered.

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**

Current research and theories about human learning and development are applied to school learning and instruction. Includes human learning, cognition, development, individual differences, motivation, learner-centered approaches to instruction, as well as standardized and teacher-constructed tests. Fifteen hours of school observation are required. Prerequisite: EDUC 131 with a grade of C or better.

PSYC 234 Cognitive Psychology**Credit 3 hours**

An introduction to the concepts, theories and research associated with cognitive psychology, including attention, memory and thinking. Prerequisite for psychology majors: PSYC 131.

PSYC 239 Introduction to Forensic Psychology**Credit 3 hours**

This course will introduce research and theory in the field of psychology and its application to the legal system. Prerequisite for psychology majors/minors: PSYC 131.

PSYC 242 Introduction to Research Methods and Statistics**Credit 3 hours**

An introduction to the concepts and procedures of research methods and statistics with an emphasis on applications and research in behavioral sciences. Hands-on activities in research methods are included. Prerequisite 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. Prerequisite for psychology majors: PSYC 131.

PSYC 332 Child Psychology**Credit 3 hours**

Introduction to the principles of physical, cognitive, linguistic, and social development in children. Prerequisite 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. Prerequisite for psychology majors: PSYC 131.

PSYC 336 Adolescent Psychology**Credit 3 hours**

Reviews the major theories and research findings related to adolescent development, including a review of the physical, cognitive, and socio-emotional changes that take place during adolescence and the influence of family and interpersonal relationships. Prerequisite for psychology majors: PSYC 131.

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 or Study**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. Prerequisite: 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. Prerequisite: Permission of the advisor.

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. Prerequisite for psychology majors: PSYC 131.

PSYC 430 Introduction to Physiological Psychology **Credit 3 hours**

Surveys neural morphology and physiology and addresses biology's multifaceted role in fundamental psychological processes. Prerequisite for psychology majors: PSYC 131.

PSYC 432 Research Design in Psychology **Credit 3 hours**

Advanced research design in psychology. Students develop research questions, choose research methodologies, collect and analyze data, and report findings through written reports and oral presentations. Qualitative and quantitative research designs, ethical issues in research and a discussion of the philosophical issues related to social science research. Prerequisites for psychology majors: PSYC 131 and PSYC 242.

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. Prerequisite for psychology majors: PSYC 131.

PSYC 434 Organizational Psychology **Credit 3 hours**

Examines work-group behavior, developing individuals in organizations, appropriate supervisory behavior, intergroup relations, and managing change within organizations. Explored from both an individual perspective and an organizational perspective, clarifying major theories and their applications. Prerequisite for psychology majors: PSYC 131.

PSYC 435 Theories of Personality **Credit 3 hours**

Major theoretical orientations and research findings in personality psychology. Prerequisite for psychology majors: PSYC 131.

PSYC 438 Advanced Behavioral Statistics **Credit 3 hours**

Computational and graphical techniques in descriptive and inferential data analysis. Primary topics include the scales of measurement, shapes and types of distributions, measures of central tendency and variability, correlation, regression, hypothesis testing; analysis of variance, interval estimation, sampling, and probability theory. Course will also include an introduction to statistical software and multivariate methods. Prerequisite: PSYC 242.

PSYC 442 Modern and Historical Psychological Perspectives **Credit 3 hours**

An examination of the development of psychology from early concepts to its present status, including historical roots within the major schools of psychology, and relationships to other disciplines. Consideration is given to career paths for the psychology major. Prerequisite for psychology majors: PSYC 131.

PSYC 449 Advanced Forensic Psychology **Credit 3 hours**

An in-depth look at the promises and problems of forensic psychology, including the application of psychological research, methods, theory, and practice as it applies to the legal system. Prerequisite for psychology majors/minors: PSYC 131.

READING

READ 125 College Reading Strategies **Credit 3 hours**

This course is designed to help students build critical reading skills in comprehension, vocabulary advancement, visual aid interpretation, note taking, and test taking strategies necessary for academic success. Students must pass the course with a C or better **and** pass the *eCompass Reading Assessment* with a score of 80 or higher to be eligible to enroll in General Education required English and Humanities courses."

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. Prerequisites: 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**

Nature, functions, and limits of law and its impact on economic, political, and social institutions.

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 and Dean 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 436 Seminar in Social Science **Credit 1-6 hours**

Offered in any of the Social Science disciplines. 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.

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.

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. Prerequisite 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. Prerequisite: SW 231, 251, 252 or permission of instruction.

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. Prerequisite: 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.

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. Prerequisite: 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.

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. Prerequisite: PSYC 238 or 242 or MATH 232; SW 231, 251, 252, 271; Co-requisite: SW 343L.

SW 343L Research Methods Lab Credit 1 hour

Students apply a 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisites: SW 343 and 432.

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, 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 458 Methods: Integrative Seminar Credit 2 hours

Based on case studies presented by the instructor and community professionals, students conduct multidimensional assessments, develop multi-level interventions, and propose evaluation methods using Social Work empirical knowledge, existing research, and practice theories of individuals, families, groups, organizations, and communities. Issues associated with race/ethnicity, minority status, disabilities, and economic status involving vulnerable populations or at-risk population are emphasized. Professional Social Work Program course. Co-requisite: SW 435.

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 agreements with identified tasks that permit measurement of student attainment of practice behaviors and competencies applied in agency settings.

Students complete a 16 hour orientation to assigned field agency. Professional Social Work Program course. Co-requisite: SW 458.

SW 463 Professional Seminar Credit 2 hours

Explores ethical issues and dilemmas and skills in collegial support and feedback through mutual problem-solving. Examines life long 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. Prerequisite: 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 32-35 hours per week for the semester for a total of 450 hours. In special situations and with the approval of the Field Coordinator, a student may register for 5 credit hours in each of two consecutive spring semesters and expect to work 18 hours per week. May be repeated to a total of 10 credit hours. Professional Social Work Program course. Prerequisite: 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**

History and concept of delinquency, nature and extent of delinquency, theories of delinquency, and environmental influences of delinquency, including 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**

Introduction to the study of the nature and causes of criminal behavior. Theories of crime causation ranging through biological, psychological, sociological, and cultural theories are discussed in addition to the historical influences and thought which have led to criminology's development as contemporary science. Cross-listed as CJ 339.

SPECIAL EDUCATION

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. Emphasis is on current educational methods and placements to understanding the impact of teaching practices and curriculum, considerations. Required of all Education Majors. Prerequisite: 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. Prerequisite: 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.

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.

SPED 332 Language and Learning Disorders **Credit 3 hours**

Introductory course for undergraduate students on the subject of language and associated learning disorders. Provides students with an opportunity for integrating information from several content areas (e.g., language development, learning disorders, and anatomy) and applying that knowledge to a child presenting a language-based learning disorder.

SPED 334 Differentiated Instruction for Diverse Classrooms **Credit 2 hours**

This course covers teaching strategies, laws, strategies and procedures for working with special needs students within a diverse and inclusive classroom environment. Students will participate in hands-on activities, identify key instructional strategies and accommodations for special needs 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. Prerequisite: PSYC 231 and SPED 230.

SPED 335 Elementary/Middle School/Secondary Methods and Materials for Mild/Moderate Disabilities **Credit 4 hours**

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 are reviewed. Based on learning theories, 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 337 Program Development, Implementation, and Management **Credit 3 hours**

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.

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 416 Clinical Experience in Appraisal of Exceptional Children **Credit 1 hour**

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, development, assistive technology, and/or rehabilitation. The emphasis will be on the screening of students with special needs, but not exclusive to this purpose.

SPED 435 Assessing Individuals with Mild/Moderate Disabilities **Credit 3 hours**

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 objectives 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 objectives, 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 Mgt 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.

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 improvisation, and scene work.

TH 159 Technical Theatre Credit 2 hours

Study of the technical elements of stagecraft. This includes construction techniques, theory of light and sound, and an introduction to theatrical drafting. Students will be taught the fundamentals of safely operating construction tools, lighting instruments, 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 226a Metal Manufacturing Processes and Systems: Welding Processes Credit 2 hours

Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on welding and cutting processes and materials. Special emphasis placed on GMAW, SMAW, GTAW, PAC, OAW and FGC.

TH 226b Metal Manufacturing Processes and Systems: Machining Credit 1 hour

Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on machining processes and materials. Special emphasis on lathe and mill practices as well as newer developments in industry technology.

TH 226c Metal Manufacturing Processes and Systems: Foundry and Forging Credit 1 hour

Fundamentals of metal manufacturing processes, materials and systems. Discussion and application focused on forging and foundry processes and materials. Special emphasis on sand and investment casting as well as gas and coal forge work.

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, and presentation.

TH 235 Elements of Theatre Credit 3 hours

Overview of history and techniques employed in theatrical production and criticism. Lecture, demonstration, participation in theatrical experiences, 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. Designed for theatre majors, minors, and language arts students. Prerequisites: TH 134 and/or permission of instructor.

TH 243 Introduction to Set and Light Design Credit 2 hours

Introduction to the processes used to create a set or lighting design for the stage and the process of synthesizing a design into a theatrical production. Emphasis will be on working from a production team's concept to create a design that will communicate the concept to an audience. Students will be required to purchase additional tools and supplies. Prerequisites: TH 159 and/or permission of the instructor. Must be taken concurrently with TH 243L.

TH 243L Introduction to Set and Light Design Lab Credit 1 hour

Laboratory experience. Must be taken concurrently with TH 243.

TH 245a Construction Processes & Systems: Tools and Materials Credit 1 hour

Fundamentals of construction including wood, metal, and masonry materials. Topics include hand and power tool selection and operation, safety and material usage. Offered concurrently with DTE 235a and ART 245a.

TH 245b Construction Processes & Systems: Techniques and Organizational Materials Credit 1 hour

Fundamentals of construction including wood, metal, and masonry materials. Topics include the application of safe and appropriate building and construction techniques and the organization and scheduling of projects. Special emphasis on alternative and sustainable practices. Offered concurrently with DTE 235b & ART 245b.

TH 245c Construction Processes & Systems: Material Selection **Credit 1 hour
And Estimation**

Fundamentals of construction including wood, metal, and masonry materials. Topics include the determination of appropriate materials and the development of cost estimates for small to medium size construction projects. Introduction to MS Excel as an estimating program. Special emphasis on alternative and sustainable practices. Offered concurrently with DTE 235c & ART 245c.

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, Chair, and Dean 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 through intensive scene study, genre and related techniques, and scene work. Prerequisites: TH 134 and/or permission of the Instructor.

TH 336 Theatre History I **Credit 3 hours**

Study of the history of theatre and dramatic literature from its origins to the Eighteenth Century.

TH 337 Theatre History II **Credit 3 hours**

Study of the history of theatre and dramatic literature from 1800 to the Twenty-First Century.

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 includes: rehearsal and characterization, set, costume design and construction, touring and setup, marketing and publicity, and theatre organization. Permission of Instructor required.

TH 359 Computer Applications for the Theatre **Credit 3 hours**

Designed to give the student practical experience in using current computer technology for theatre design, including experience in computer aided drafting, rendering, recording, editing, creating of a sound effects CD, and using computers to create light plots and related paperwork. Prerequisites: Permission of the instructor.

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. Prerequisites: 2.5 cumulative GPA and consent of the Theatre faculty.

TH 429 Playscript Analysis **Credit 3 hours**

Studies in structure of the playscript and script analysis. Students will do playscript 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. Prerequisites: 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. Prerequisites: TH 237 and permission of the Instructor and Program Director.

TH 445 Advanced Set Design Credit 3 hours

Study of the theories, techniques, and styles of drawing for scenic design and construction. Students will develop concepts through the beginning sketch, formal perspective, working drawings, and models to a fully realized design. Prerequisites: TH 243 and permission of the Instructor.

TH 459 Advanced Light and Sound Design Credit 2 hours

Study of the theories, techniques, and styles of light and sound design and execution, including development of concepts based on script analysis and research. Based on these concepts students will then develop light designs from concept sketches through light-plot and accompanying dimmer-plots, circuit-plots, and cue-sheets. Students will also develop sound designs from verbal "sketches" through "cut" lists, sample tapes, and cue-sheets. Must be taken concurrently with TH 459L. Prerequisites: TH 243, 359 and permission of instructor.

TH 459L Advanced Light and Sound Design Lab Credit 1 hour

Laboratory experience. Must be taken concurrently with TH 459.

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 6 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 and Dean 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 6 credit hours in a single foreign language. May be repeated for another six hours in a different foreign language.

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Faculty

| | |
|---|--|
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| A.B., University of Georgia; M.A., Valdosta State College; Ph.D., University of Georgia. (1994) | |
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