

Message from the President



Dear Student,

From the moment you first set foot on campus as a freshman, until you toss your cap into the air after you graduate, you will be surrounded by people dedicated to making your time at Chadron State College both rewarding and enjoyable.

Our dedicated and passionate faculty will prepare you to excel, as evidenced by the frequent recognition and awards our graduates receive in their fields. Our alumni around the country speak highly of the quality of the education they received at Chadron State and of their experiences here. Each fall, many of our alums return for homecoming to renew old acquaintances, and recall a very special time in their lives.

Our current students hail from thirty five states and eleven foreign countries. Many of our students reside on our beautiful campus and enjoy the traditional college experience and many others come to us through our comprehensive distance learning opportunities from their homes around the state and country.

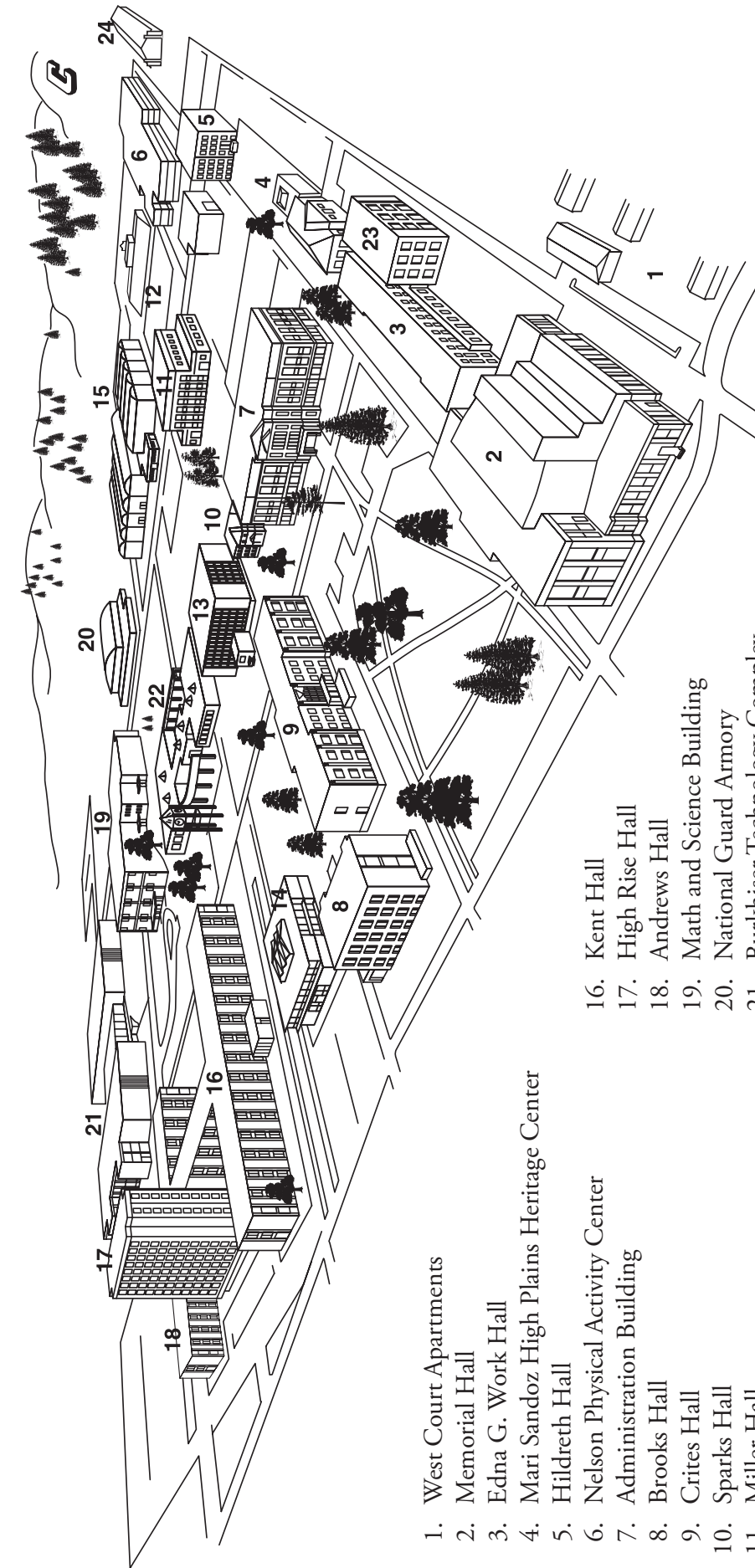
We recognize that the college experience is more than a classroom. Our beautiful campus, located in northwestern Nebraska, is set among splendid bluffs, pine hills and grassy plains and steeped in the small town atmosphere of Chadron, Nebraska. A host of extracurricular activities are designed to challenge and enrich your life and your college experience. Our many athletic programs, including NCAA Division II sports in the Rocky Mountain Athletic Conference, intramurals, and club sports provide you with an avenue to participate if you aspire to be a student athlete or a welcome diversion from your studies as you cheer from the stands with your friends.

If I had to pick one word to describe Chadron State College, it would be vibrant—the academic programs, the faculty, the support staff, the athletic programs, the campus life and our alumni are all vibrant. Welcome to Chadron State College!

Sincerely,

Janie C. Park, Ph.D.
President, Chadron State College

Chadron State College Campus Map



- 1. West Court Apartments
- 2. Memorial Hall
- 3. Edna G. Work Hall
- 4. Mari Sandoz High Plains Heritage Center
- 5. Hildreth Hall
- 6. Nelson Physical Activity Center
- 7. Administration Building
- 8. Brooks Hall
- 9. Crites Hall
- 10. Sparks Hall
- 11. Miller Hall
- 12. Elliott Field
- 13. Rera E. King Library
- 14. Kline Campus Center
- 15. Armstrong Gym
- 16. Kent Hall
- 17. High Rise Hall
- 18. Andrews Hall
- 19. Math and Science Building
- 20. National Guard Armory
- 21. Burkhiser Technology Complex
- 22. Student Center
- 23. Edna G. Work Wing
- 24. Maintenance Services Building

Chadron State College

General Catalog
2007-2009



CSC
CHADRON STATE COLLEGE
www.csc.edu

Chadron State College General Catalog 2007-2009

Chadron State College

1000 Main Street
Chadron, Nebraska 69337

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HOW TO ENROLL AT CHADRON STATE COLLEGE

Write, phone, or visit the College. We suggest you contact the Admissions Office.

Admissions Office
Crites Hall, Room 104
Chadron State College
1000 Main Street
Chadron, Nebraska 69339
Phone: 1-800-242-3766 or 308-432-6263
inquire@csc.edu

The Admissions Office can supply the information you will need, or direct you to your area of interest where faculty will assist you. **Online learners** please contact us via phone at 308-432-6432, 1-800-600-4099, or email us at csclearn@csc.edu. You may also visit our online learning site at www.chadronstateonline.com to learn more about the opportunities for place-bound learners.

Academic Schools and Departments

School of Arts and Sciences

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

School of Business, Economics, Applied and Mathematical Sciences

- Applied Sciences
- Business and Economics
- Mathematical Sciences

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

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

Call 1-800-242-3766 or 308-432-6000 and ask for a school or department.

Visit the Financial Aid Office, located in Crites Hall, Room 225.
Or telephone for assistance at 1-800-242-3766 or 308-432-6230.
Visit the Chadron State web site at www.csc.edu

Chadron State College is a member of the Nebraska State College System.

**2007-2009
GENERAL BULLETIN
CATALOG ISSUE**



**CHADRON STATE COLLEGE
CHADRON, NEBRASKA**

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 Colleges 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.

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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).....Director, Crites Hall, -6263
- Admissions (Graduate)Dean, Miller Hall, -6214
- Alumni.....Director, Sparks Hall, -6366
- Catalogs/General BulletinsAdmissions Office, Crites Hall, -6263
- Class Registration.....Registrar, Crites Hall, -6221
- Curriculum/InstructionVice President for Academic Affairs, Sparks Hall, -6203
- Disability Services.....Counselor, Crites Hall, -6461
- Extended Campus Programs (online, ITV, correspondence courses)Assistant Vice President, Crites Hall, -6376
- Fees/Tuition/Payment of BillsBusiness Office, Crites and Sparks Halls, -6241
- Financial AidDirector, Crites Hall, -6230
- Gifts/Contributions.....Chadron State Foundation, Sparks Hall, -6366
- Graduate InformationDean, Miller Hall, -6214
- Housing.....Director, Crites Hall, -6355
- Internship and Career Services.....Director, Crites Hall, -6292
- Library.....Director, Rita King Library -6271
- Public InformationDirector, Kline Building, -6213
- Student Academic Success ServicesDirector, Crites Hall, -6461
- Student InformationVice President for Enrollment and Student Services, Crites Hall, -6231
- Student Senate.....Office, Student Center, -6386
- Transcript/Registrar.....Registrar, Crites Hall, -6221
- Tutoring.....Coordinator, Kline Building, -6381

2007-2009 ACADEMIC CALENDAR

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

FALL TERM 2007

AUGUST

17 FridayFaculty Orientation
20 MondayClasses Begin

SEPTEMBER

3 MondayLabor Day — No Classes

OCTOBER

12 FridayMid Term
12 FridayMid Term Break Begins, 5:00 pm
17 WednesdayClasses Convene

NOVEMBER

15 ThursdayApplication Deadline for May Graduation
21 WednesdayThanksgiving Break Begins, 7:00 am
26 MondayClasses Convene

DECEMBER

10 MondayAcademic Program Assessment Day
11 TuesdayExam Week Begins
14 FridayFirst Semester Ends, 5:00 pm
14 FridayCommencement

SPRING TERM 2008

JANUARY

7 MondayClasses Begin

FEBRUARY

29 FridayMid Term
29 FridayMid Term Break Begins, 5:00 pm

MARCH

3 MondayApplication Deadline for Teaching Professional Semester
10 MondayClasses Convene
21 FridaySpring Break Begins, 5:00 pm
25 TuesdayClasses Convene

APRIL

4 FridayScholastic Day
15 TuesdayApplication Deadline for December Graduation
28 MondayAcademic Program Assessment Day
29 TuesdayExam Week Begins

MAY

2 FridaySecond Semester Ends, 5:00 pm
3 SaturdayCommencement

FALL TERM 2008**AUGUST**

22 FridayFaculty Orientation
 25 MondayClasses Begin

SEPTEMBER

1 MondayLabor Day — No Classes

OCTOBER

17 Friday.....Mid Term
 17 FridayMid Term Break Begins, 5:00 pm
 22 Wednesday.....Classes Convene

NOVEMBER

14 FridayApplication Deadline for May Graduation
 26 Wednesday.....Thanksgiving Break Begins, 7:00 am

DECEMBER

1 Monday.....Classes Convene
 15 MondayAcademic Program Assessment Day
 16 TuesdayExam Week Begins
 19 FridayFirst Semester Ends, 5:00 pm
 19 FridayCommencement

SPRING TERM 2009**JANUARY**

12 MondayClasses Begin

MARCH

2 MondayApplication Deadline for Teaching Professional Semester
 6 Friday.....Mid Term
 6 FridayMid Term Break Begins, 5:00 pm
 16 Monday.....Classes Convene

APRIL

3 FridayScholastic Day
 10 Friday.....Spring Break Begins, 5:00 pm
 14 Tuesday.....Classes Convene
 15 Wednesday.....Application Deadline for December Graduation

MAY

4 MondayAcademic Program Assessment Day
 5 TuesdayExam Week Begins
 8 Friday.....Second Semester Ends, 5:00 pm
 9 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
- 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: info@ncacihe.org
 - National Council for the Accreditation of Teacher Education
 - Nebraska State Department of Education
 - Council on Social Work Education
 - Association of Collegiate 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 Specialist in Education, 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 Conference, and intercollegiate rodeo; intramural sports program
- Financial Assistance:** Available to admitted degree-seeking students based upon financial need
- Housing:** College owned and operated residence halls

THE COLLEGE'S RESIDENTIAL AND ONLINE 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 early 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-five major buildings with more than one million square feet of floor space provide state-of-the-art facilities for residential students. Five buildings have been completely renovated in the past six years, and another is currently being remodeled. 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 this 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 70 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.

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 nation. Offices in Alliance, McCook, North Platte, Sidney, 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.

In 1994, Chadron State College's assessment document was one of the first to be approved by the North Central Association and was subsequently used as a model for other institutions. Chadron State College received the Employer of the Year Award from the Nebraska Federation of Business and Professional Women in 1995. In 1997, Chadron State College was selected as Nebraska's representative to help create the Western Governors University, which is designed to share resources in providing distance learning opportunities for place-bound learners in the western United States. Chadron State received the "Connecting Nebraska Award" from the Nebraska Development Network after hosting a Non-Profit Organization Leadership Development Institute in 2000. Chadron State College was awarded the Hidden Treasure Award for excellence in core instructional programming and focus on students by the Newsweek/Kaplan College Catalog in 2000. The college continues to be recognized statewide and regionally for its focus on collaboration and partnerships to serve this region, and the college's outstanding faculty, staff, and alumni are recognized each year with a variety of excellence awards.

PROGRAM AUTHORIZATION AND INSTITUTIONAL ACCREDITATION

Chadron State College is authorized by the Nebraska Legislature to offer undergraduate programs, master's level programs, and the educational specialist program. 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 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, 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 Arts and Sciences, School of Business, Economics, Applied and Mathematical Sciences, School of Education, Human Performance, Counseling, Psychology and Social Work, The Reta E. King Library, The Mari Sandoz High Plains Heritage Center, and Extended Campus Programs serving distance learning sites and online learners. Thirteen academic departments are located within the three Academic Schools, as follows:

School of Arts and Sciences

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

School of Business, Economics, Applied and Mathematical Sciences

- Applied Sciences
- Business and Economics
- Mathematical 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, computer services, grounds, human resources, budgets, conferencing, and contract services. Directors of these units report to this Vice President.

The Athletic Director, the Cultural Programming and Public Relations Director, and the Director of Institutional Research complete the President's Executive Council. A complete organizational chart is available from the Human Resources Office.

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.

VISION 2011

As Chadron State College approaches the centennial of its existence and service, it again asserts its leadership in educating and serving the citizens of Nebraska and the High Plains region. The College's ambitions are articulated in its strategic plan, Vision 2011. This plan was developed in 2003 through a campus-wide conversation about the future of the region and how CSC can best support the dreams and visions of its citizens, communities, and students. The faculty, staff and administration of Chadron State College feel the duty to those dreamers and visionaries who built what has been given to the region, and will fulfill its obligation of stewardship by strengthening the College and the region it serves. Each year the College provides significant funding for projects developed by faculty, staff and students that address the focus areas listed below. These projects provide significant opportunities for Chadron State College to fulfill its vision and mission as it prepares for the next century of service to the region. Visit the CSC website Vision 2011 for details about the focus areas and projects that have been funded.

Vision Statement

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

Mission Statement

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

Vision 2011 Focus Areas

- Institutional Community – achieve a collegial institutional environment that encourages and assists students, faculty, and staff in realizing their potentials and reaching their aspirations.
- Public Relations – build strong public and political support.
- Regional Services – improve the quality of services to the western High Plains states.
- Research, Scholarly, and Creative Activity – achieve higher levels of scholarly, creative, and research activity.
- Resources and Facilities – expand resources and improve efficiency and effectiveness of resource and facilities use.
- Teaching and Learning – improve effectiveness of teaching and learning.

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

STUDENT SERVICES

Numerous services are available at Chadron State College to promote the academic and social success of all students. Details about these services are available on the CSC website. Many of these services are available for distance learners and online students. Contact the ombudsman for distance learners in the office of Extended Campus Programs for more information about those services. Services for residential students are available in Crites Hall, and the Peer Tutoring Center is located in the Kline Center.

- **Academic Advising** – The Advising Center in Crites Hall assists students with questions about admission and 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 Student Academic Success 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 Registrar’s office 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.
- **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 seventy 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.
- **Career Counseling** – 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 Student Academic Success Services.
- **Computer Services** – The Computer Center 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 Rita 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 Computer Services website for more information about these services.
- **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 Student Academic Success 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.
- **Health Services** – 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.

- **Housing and Food 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.
- **Internship and 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.
- **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. International exchange programs for faculty and students are also available. For more information contact the Multicultural and International Services Coordinator in the office of Extended Campus Programs in Crites Hall.
- **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 Student Academic Success Services in Crites Hall for more information.
- **Residence Life Programs** – 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.
- **Student Support Services (SSS)** – 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 Crites Hall for more information and eligibility requirements.
- **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 on the second floor of the Kline Building.

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.

UNDERGRADUATE ADMISSIONS

HOW TO ENROLL AT CHADRON STATE COLLEGE

Write, phone, or visit the College by contacting the Admissions Office, and visit the college's website.

Admissions Office
Crites Hall
Chadron State College
1000 Main Street
Chadron, Nebraska 69339
Phone: 1-800-242-3766 or 308-432-6263
inquire@csc.edu

The Admissions Office can supply the information you will need, or direct you to your area of interest where faculty will assist you. **Online learners** please contact the college via phone at 308-432-6432, 1-800-600-4099, or email at csclearn@csc.edu. You may also visit our online learning site at www.chadronstateonline.com to learn more about the opportunities for place-bound learners.

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.

- **Application Fee** – Every student applying for admission to Chadron State College for the first time shall pay a one-time application or 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. The admission/matriculation fee will not be applied to tuition and fees upon enrollment.
- **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.

Freshman Admissions Checklist

- Complete paper application or apply online
- Submit \$15 application fee
- Visit campus
- Submit **official** transcripts
- Sign up for orientation
- Submit health form with proof of immunizations records or exemption
- Receive final acceptance
- Register for classes

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

Transfer Student Admissions Checklist

- Complete paper application or apply online
- Submit \$15 application fee
- Visit campus
- Submit **official** college transcripts from each college attended
- Submit credit evaluation request
- Sign up for orientation
- Submit health form with proof of immunizations records or exemption
- Receive final acceptance
- Register for classes

* For detailed admissions policies, please visit the admissions webpage @ <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 transcripts reflecting date of graduation, high school rank and cumulative GPA.
- **Health Form Requirement:** All students entering any Nebraska State College institution must show a physician-validated immunization record for two doses of measles, rubella, diphtheria, and tetanus. Exemptions are available for qualifying students. Contact the Health Services office in Crites Hall for more information.

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. One **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. If accepted, 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 students entering any Nebraska State College institution must show a physician-validated immunization record for two doses of measles, rubella, diphtheria, and tetanus. 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.
- **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.

Former Student Readmission

Students enrolled at Chadron State College prior to the fall semester of 1988 are required to apply for readmission through the Admissions Office. Students who have attended CSC at any time since the fall semester of 1988 and who wish to enroll in classes may register for classes according to the published class schedule. Additional information below:

- Students who have attended another college or university are considered transfer students and the requirements listed above for transfer students apply.
- 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.
- Health Form Requirement: All students entering any Nebraska State College institution must show a physician-validated immunization record for two doses of measles, rubella, diphtheria, and tetanus. Exemptions are available for qualifying students. Contact the Health Services office in Crites Hall for more information.

International Student Checklist

Qualified students from other countries are welcome to apply for admission to Chadron State College. Inquiries concerning international undergraduate student admission may be directed to the Admissions Office or the Multicultural and International Services Coordinator in the office of Extended Campus Programs in Crites Hall.

- Complete the International Student Application form and submit the non-refundable admission/matriculation fee in U.S. dollars to the Admissions Office. 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.
- Demonstrate competency in the English language by providing 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 and a minimum score of 213 is required for those taking the computerized test.
- Provide evidence of capability to finance a program of study without assistance from Chadron State College.
- Provide own insurance protection covering hospital and medical expenses, evacuation, and repatriation. Proof of adequate coverage must be supplied to Chadron State College 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 are 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. The applicant assumes full responsibility to make all necessary arrangements through official channels for entrance into the United States.

Early Entry Student Admission

The High School Early Entry Program is extended to high school juniors and seniors contingent upon permission of parent, recommendation from a high school official, and the student achieving a 3.0 (4.0 scale) or 90% cumulative GPA. 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 Student Admission

A special classification of Non-Degree Seeking Students 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 Students 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 Admissions

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 Registrar.

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

STUDENT REGISTRATION

ADVISING

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 Student Academic Success 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 the Registrar and Student Academic Success Services 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 or at the Registrar's office in Crites Hall. Students may add or drop courses, using online services or at the Registrar's office, until the end of the first week of classes each fifteen-week semester or the first two days of summer sessions.
- The college general bulletin 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.

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 with regard to Federal financial aid.
- 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.

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 Enrollment Management in Crites Hall.

Changes of Registration and Withdrawal

Any change of registration must be initiated by the student at the Registrar's Office. The effective date of the change is the date on which the completed forms are processed by the Registrar's Office.

- Adding or withdrawing from classes during the drop-add period: During the first five days of a term and during the first two days of a summer session, a student may add or drop courses without academic penalty.
- Withdrawing from classes: A student who withdraws from a course after the 100% refund period but before the end of the eleventh full week (or before the midterm of a non-semester offering) receives a grade of W. This grade is not computed into the grade point average. After the eleventh week (or after the midterm of a non-semester offering) a student may not withdraw and a grade other than W must be recorded.
- Withdrawing from the College: A student who withdraws from the College after the 100% refund period but before the end of the eleventh week (or before the midterm of a non-semester offering) will receive a grade of W for each course. A student who withdraws from the College after the eleventh week (or after the midterm of a non-semester offering) will receive a grade of W for courses the student is passing and F for courses the student is failing.

TUITION, FEES, AND FINANCIAL AID

COSTS AND REFUND

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.

Refunds on tuition for the academic year are pro-rated, based on a schedule available in the Business Office. Students who receive Title IV funds will be subject to the student refund procedure requirements of the Higher Education Reauthorization Act of 1998. Details regarding this requirement are available from both the Business Office and the Financial Aid Office.

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 FEES

The statutes of Nebraska require all state educational institutions to charge a non-resident fee for each non-resident student attending college in Nebraska. Additional written documents, affidavits, verification, or other evidence may be required to establish the status of any applicant. The burden of establishing exemption from non-resident fees is the responsibility of the student. Erroneous classification as a resident or willful evasion of non-resident fees may result in disciplinary action which may include dismissal as well as payment of required fees for each semester attended.

Numerous tuition waivers are available for non-resident students who meet scholarship minimums. Contact the Admissions Office for more information.

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 for Residency Classification 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 in which the change is approved.

STUDENT ACADEMIC PERFORMANCE

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 — Incompletes indicates some portion of the student's work is unfinished due to a justifiable reason. Issued at the discretion of the faculty member and academic School Dean, the "I" is replaced with a grade when the work is completed. If a grade is not submitted within twelve months or a shorter time frame as specified on the Request for an Incomplete Form completed by the instructor and student, the grade of incomplete remains permanently on the record (effective August 26, 1974).
- 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 approximately 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.

REGULATIONS GOVERNING GRADUATION

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.
- 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 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 Science

The Bachelor of Applied Science is designed to provide a specialized program leading toward a baccalaureate degree for individuals in technical occupations. Admission to this degree is restricted to those 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 college. Students are required to develop a designated program of study developed 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 Extended Campus Programs office or see Technical Occupations under Program of Studies.

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 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, 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 Assistant Vice President for Extended Campus Programs.



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 responsibility 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 five-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, selected from:

ENG 135	Composition I, 3 hrs.	ENG 137	Technical Writing I, 3 hrs.
ENG 136	Composition II, 3 hrs.	ENG 240	Advanced Grammar & Comp, 3 hrs

Developmental writing courses are required for students scoring below 19 on the ACT verbal exam. 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:

- Conduct research as a series of tasks, including finding, evaluating, analyzing, and synthesizing appropriate sources;
- Compose essays using processes that involve invention, revision, and editing;
- Read, evaluate, and use sources critically and analytically;
- Follow conventions of Standard Edited English in finished compositions.

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.

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:

- Demonstrate a mastery of the technical language of various arts;
- Demonstrate an understanding of what features of various arts make them successful;
- Use their knowledge of the features and language of the arts to evaluate artistic texts, works, and performances.

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

AGRI 431	International Food Policy, 3 hrs.	HUM 432	World Mythology, 3 hrs.
ANTH 231	Intro to Cultural Anthropology, 3 hrs.	ITE 331	Humankind, Society and Tech., 3 hrs.
BIOL 448/448L	Ethnob. of the N. Plains & Lab, 4 hrs.	MUS 330	African-American Popular Music, 3 hrs.
ECON 130	Survey of Economics, 3 hrs.	P S 332	International Politics, 3 hrs.
ECON 332	International Econ & Societies, 3 hrs.	PHYS 435	World Environmental Issues, 3 hrs.
ENG 436	World Literature, 3 hrs.	PSYC 421	Culture and Psychology, 3 hrs.
FCS 335	Families in Society, 3 hrs.	S S 323	Law and the American Society, 3 hrs.
FCS 436	Global Food Systems, 3 hrs.	SOC 230	Society: Global Comparison, 3 hrs.
GEOS 137	Environmental Geology, 3 hrs.	SOC 335	Ethnic & Minority Group Relat, 3 hrs.
GEOG 300	World Cultures, 3 hrs.	SOC 340	Social Change, 3 hrs
HIST 320	The Asian Cultural Realm, 3 hrs.	SPAN 131	First Year Spanish I or appropriate course to enhance competency in Spanish, 3 hrs.
HONS 200	Honors Seminar, 3 hrs.		
HUM 335	Comparative Religion, 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:

HONS 201 Human Society, 3 hrs.

P S 341 Comparative Politics, 3 hrs.

P S 231 American National Government, 3 hrs.

Student Learning Outcomes for Government: (1) Students will develop an informed, critical, and articulate sense of political ideas central to governance, political institutions, and political processes. (2) Students will develop familiarity with contemporary political leaders, events, and trends. In doing so, students will demonstrate an ability to discuss politics in informative, critical, and persuasive manners through written and verbal communications.

Performance Criteria for Government:

Students should be able to:

- 1a. Describe major concepts central to popular governance, such as security, liberty, equality, rights, and institutions;
- 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. Write logically and persuasively;
- 2b. Use proper grammar and punctuation;
- 2c. Make arguments and draw conclusions on political issues and support these claims in a logical and consistent manner;
- 2d. Critically evaluate written and verbal arguments presented in class, recognizing the strengths and weaknesses of varying ideas.

Health/Wellness - 3 Hours, selected from:

FCS 337 Nutrition, 3 hrs.

HPER 233 Health/Wellness, 3 hrs.

Student Learning Outcome for Health/Wellness: Produce positive changes in the student through the knowledge of nutrition, personal health habits and physical activities which enhance the personal living environment.

Performance Criteria for Health/Wellness:

Students should be able to:

Health

- Access, analyze, and evaluate health information, products and services in order to become health literate consumers;
- Demonstrate goal-setting and decision-making skills to address issues related to personal, family, and community health;
- Identify and practice health-enhancing behaviors and reduce health risks to live safer, healthier lives.

Nutrition

- Name and describe seven 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 fats and explain their effects on the human body.

History - 6 Hours, selected from:

HIST 232 U.S. History Since 1877, 3 hrs.

HIST 234 Western Civilization II, 3 hrs.

HIST 233 Western Civilization I, 3 hrs.

HONS 201 Human Society, 3 hrs.

Student Learning Outcomes for History: (1) Students will develop an informed, critical, and articulate sense of the past, an appreciation for the diversity of the human experience within the Western World, and 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, and 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:

HONS 101 Human Nature, 3 hrs.

PHIL 231 Introduction to Philosophy, 3 hrs.

HUM 231 The Humanistic Tradition, 3 hrs.

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;
- Apply an understanding of these humanistic themes to their own lives.

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 and value added placement:

<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
>19	MATH 142 College Algebra or value added

High School BackgroundValue Added 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;
- Collect, organize, and analyze data;
- 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: Produce positive changes in the student through the knowledge of physical activities which enhance the personal living environment.

Performance Criteria for Physical Activities:

Students should be able to:

Physical Education

- Participate regularly in physical activity;
- Exhibit responsible personal and social behavior that respects self and others in physical activity settings;
- Value physical activity for health, enjoyment, challenge, self-expression, and/or social interaction.



Reason and Values - 3 Hours, selected from:

B A	431	Professional Ethics, 3 hrs.	PHIL	432	Ethics, 3 hrs.
HONS	301	Human Knowledge, 3 hrs.	PHIL	433	Biomedical Ethics, 3 hrs.
PHIL	333	Logic, 3 hrs.			

Student Learning Outcome for Reason and Values: Students will develop skills in critical thinking and argumentation. In BA 431 and Phil 432, students will focus on arguments about ethical issues.

Performance Criteria for Reason and Values:

Students should be able to:

- Identify and understand the structure of various arguments. In BA 431, Phil 432 and Phil 433, students will examine arguments used to defend ethical positions;
- Evaluate arguments, taking different perspectives into account. In BA 431, Phil 432 and Phil 433, students will evaluate arguments for ethical positions, using different ethical theories to help provide different perspectives on the issues at stake;
- Construct clear and well-structured arguments, anticipating and dealing with various challenges to those arguments that might arise. In BA 431, Phil 432 and Phil 433, students will construct arguments defending ethical positions.

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

Directions for matrix use:

- (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 no high school preparation in science or has undergone a long hiatus between high school and college, it is recommended that courses listed under: No Biology, General Science or Physical Science be used.
- (3) When a student has multiple science courses at the high school level, the most advanced course should be used for selection of appropriate value added college courses.

BiologyHigh School BackgroundValue Added Placement for Biological Science Courses

No Biology	BIOL 121/121L	Human Anat/Physiology and Lab, 3 hrs.
	BIOL 136/136L	Biological Science and Lab, 3 hrs.
	BIOL 331	Human Sexuality, 3 hrs.
1 Year Biology	BIOL 121/121L	Human Anat/Physiology and Lab, 3 hrs.
	BIOL 131	Fundamentals Of Cellular Biology, 3 hrs.
	BIOL 138/138L	General Botany and Lab, 3 hrs.
	BIOL 139/139L	General Zoology and Lab, 3 hrs.
	BIOL 331	Human Sexuality, 3 hrs.
	BIOL 337	Environmental Management, 3 hrs.
2 Years Biology	BIOL 138/138L	General Botany and Lab, 3 hrs.
	BIOL 139/139L	General Zoology and Lab, 3 hrs.
	BIOL 331	Human Sexuality, 3 hrs.
	BIOL 337	Environmental Management, 3 hrs.
	BIOL 431/431L	Ethnobotany and Lab, 3 hrs.

Physical Science

<u>High School Background</u>	<u>Value Added Placement for Physical Science Classes</u>	
1 Year General Science or 1 Year Physical Science	GEOS 130	Earth Science, 3 hrs.
	GEOS 137	Environmental Geology, 3 hrs.
	GEOS 231/231L	Physical Geology and Lab, 4 hrs.
	PHYS 135	Physical Science, 3 hrs.
	PHYS 333/333L	Astronomy and Lab, 3 hrs.
	PHYS 330	Phys Sci for the Elem & Middle Grades Teacher, 3 hrs.
	PHYS 334	Meteorology, 3 hrs.
1 Year Chemistry	CHEM 131/131L	College Chemistry I and Lab, 4 hrs.
	CHEM 140/140L	General Chemistry and Lab, 4 hrs.
1 Year Physics	PHYS 151/151L	College Physics I and Lab, 5 hrs.
	PHYS 333/333L	Astronomy and Lab, 3 hrs.
	PHYS 334	Meteorology, 3 hrs.
1 Year Earth Science	GEOS 137	Environmental Geology, 3 hrs.
	GEOS 231/231L	Physical Geology and Lab, 3 hrs.
	PHYS 333/333L	Astronomy and Lab, 3 hrs.
	PHYS 334	Meteorology, 3 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:

- Gather and critically evaluate data;
- Participate in scientific inquiry;
- Demonstrate basic knowledge of the natural sciences;
- Explore the historical development of scientific ideas and the progressive nature of science.

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 SC to receive CSC credit for CLEP.
- CLEP tests must be completed before an individual has taken any college level course in the field 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 Courses)

- Students may enroll for credit in Chadron State College correspondence courses.
- Correspondence courses have no classroom time and are completed without faculty 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.

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 Internship and Career Services Office 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 Office of Extended Campus Programs in Crites Hall for more information.

STUDY ABROAD

Students can qualify for credit through Chadron State College-sponsored foreign studies programs.

- Students may study at foreign universities for one or more semesters, and transfer the credit to CSC.
- Short-term foreign study tours, led by Chadron State College faculty, are scheduled regularly and are available for college credit and financial aid for qualified students.
- Contact the Office of Extended Campus Programs in Crites Hall for more information.

PROGRAMS OF STUDY

Accounting

See Business

Agriculture

Majors

Rangeland Management Comprehensive with options in:

Rangeland Ecology
Rangeland Livestock Management

Business Administration Comprehensive Major with option in Agribusiness

Minors

Agribusiness
Animal Science
Agricultural Plant Science
Rangeland Management
Veterinary Science
Wildlife Management

Transfer Programs

Agricultural Education
Rangeland Ecosystems

Certificates

Wildlife Management
Agricultural Plant Sciences

American Indian Studies

Minor

American Indian Studies

Applied History

Majors

Applied History Comprehensive Major with options in:

Cultural and Physical Science
Museum Management
Art

Art

Majors

Art Comprehensive Major with options in:
Graphic Design
Art Studio

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

Teaching Endorsement

Biology Education Subject Endorsement (7-12)

Minors

Biology
Plant Sciences
Wildlife Management

Certificates

Plant Sciences
Wildlife Management

Health Sciences Majors

Health Sciences Comprehensive Major with options in:

Clinical Laboratory Science (Medical Technology)
Pre-Chiropractic Medicine
Pre-Dentistry
Pre-Occupational Therapy
Pre-Optometry
Pre-Physical Therapy
Pre-Podiatric Medicine
Pre-Veterinary Medicine
General Health Care
Radiologic Technology

Health Professions Rural Health Opportunities Programs (RHOP)

Dental Hygiene
Dentistry
Medical Technology
Medicine
Pharmacy
Physical Therapy
Physician Assistant
Nursing
Radiography

High Plains Health Opportunities Program (HPHOP)

Pharmacy
Occupational Therapy

Business

Majors

Business Administration Comprehensive Major with options in:

- Accounting (including CPA Path)
- Agri-Business
- Economics/Finance
- Management
- Management Information Systems
- Marketing/Entrepreneurship
- General Business Subject Major

Teaching Endorsements

- Business Education Field Endorsement (7-12)
- Basic Business Education Subject Endorsements (7-12)
- Business Education Middle Grades Content Area of Specialization (4-9)

Minors

- Business
- Economics/Finance
- Marketing/Entrepreneurship

Career and Technical Education

Teaching Endorsement

- Cooperative Education-Diversified Occupations Supplemental Endorsement (7-12)

Chemistry

See Physical Science

CISCO

See Information Science and Technology

Coaching

See Health, Physical Education and Recreation

Communication Arts

Majors

- Communication Arts Comprehensive with options in:
- Human Communication
 - Journalism
 - Public Relations

Minors

- Communication
- Journalism
- Public Relations

Computer Science

See Information Science and Technology

Criminal Justice

See Justice Studies: Criminal Justice

Early Childhood

- See Family and Consumer Science
- 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-3)

Minor

- Early Childhood Education (K-8)

English

Major

- Literature Subject Major

Teaching Endorsements

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

Minors

- English
- English Education (K-8)

Family and Consumer Sciences

Majors

- Family and Consumer Sciences Comprehensive Major with options in:
- Child Development
 - Design and Merchandising
 - Hospitality Management
 - Human Services
 - Lifespan Wellness

Teaching Endorsements

- Family and Consumer Sciences Education Field Endorsement (7-12)
- Family and Consumer Sciences Middle Grades Specialization (4-9)
- Family and Consumer Science Related Occupations Supplemental Endorsement (7-12)
- Early Childhood Education Unified Field Endorsement (Birth – 3)

Family and Consumer Sciences Con't.**Minors**

Child and Family
Nutrition and Wellness
Textiles and Fashion

Certificates

Family Life
Fashion
Hospitality
Parenting
Wellness

Certification Preparation

Child Development Associate (CDA) Certification
Preparation

Finance

See Business

Geology and Geoscience

See Physical Science

Geography**Minors**

Geography

Health, Physical Education, Recreation**Majors**

Sports and Recreation Management Comprehensive
Major

Teaching Endorsements

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

Minors

Fitness and Exercise
Leisure Services
Sports Leadership
Physical Education (K-8)

Health Sciences

See Biology

History**Majors**

History Subject Major

Teaching Endorsements

History Subject Endorsement (7-12)

History Con't.**Minor**

History

Honors Program**Humanities****Minor**

Humanities

Industrial Technology**Major**

Industrial Management Comprehensive Major

Teaching Endorsements

Industrial Technology Education Field Endorsement
(7-12)
Trade and Industrial Education Field Endorsement
(9-12)
Industrial Technology Education Middle Grades
Content Area of Specialization (4-9)
Driver Education Supplemental Endorsement
(7-12)

Minors

Drafting
Energy and Electronics

Certificates

Alternative Energy
Occupational Safety
Quality Assurance
Outdoor Environment Planning
Construction Planning

Certification Preparation

Cisco Certified Networking Professional (CCNP)

Information Science and Technology**Major**

Information Management Systems Comprehensive
Major

Minor

Internet Technology

Certificates

Internet Technology

Certification Preparation

Cisco Certified Network Associate (CCNA)
Cisco Certified Network Professional (CCNP)

Interdisciplinary Studies**Major**

Interdisciplinary Studies Comprehensive Major

Journalism

See Communication Arts

Justice Studies

Majors

Justice Studies-Criminal Justice Comprehensive

Major with focus areas in:

Law Enforcement

Law

Corrections

Forensic Sciences

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

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)

Mathematics Con't.

Minors

Mathematics

Applied Statistics

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 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

Physical Science Field Endorsement (7-12)

Physics Subject Endorsement (7-12)

Natural Science Middle Grades Content Area of
Specialization (4-9)

Physical Sciences Con't.**Minors**

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

Certificates

Geographic Information Systems
Water Resources Management

Physics

See Physical Sciences

Political Science**Minor**

Political Science

Pre-Engineering

See Industrial Education

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

Sociology**Minor**

Sociology

Spanish**Minor**

Spanish

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 Endorsement
(Birth-Grade 3)

Minor

Mild/Moderate Disabilities (K-8)

Speech Communication

See Communication Arts

Teacher Education

See Education

Technical Occupation**Major**

Technical Occupations Comprehensive Major with
options in:
Agricultural Operations
Computers and Electronics
Health Care
Industrial Trades
Management Services
Post-secondary Technical Career Education

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 and the General Studies requirements. All students must take CHEM 140/140L, as well as BIOL 131, 136/136L, or 138/138L which will satisfy the General Studies Science requirements.

Core Requirements

AGRI 132 Introduction to Animal Science.....4	AGRI 337 Applied Animal Nutrition .....3
AGRI 141 Introduction to Plant Science .....3	AGRI 339 & 339L Rangeland Plant ID & Lab .....3
AGRI 234 & 234L Prin of Animal Nutrition & Lab.....3	AGRI 350 Rangeland Livestock Production .....3
AGRI 242 & 242L Prin of Rangeland & Forage Mgmt & Lab.....4	AGRI 410 Agriculture Seminar.....1
AGRI 245 & 245L Prin of Soil Science & Lab .....4	AGRI 428 & 428L Veg Invent & Analysis & Lab .....3
AGRI 334 Rangeland Improvement Practices.....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. Two semesters (Spring of the Junior year and Fall of the Senior year) will be spent on the University of Nebraska-Lincoln campus enrolled in those classes marked with an asterisk (*). 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 .....3
AGRI 235 Introduction to Wildlife Management.....3	BIOL 439 & 439L Plant Physiology and Laboratory .....3
AGRI 436 Rangeland and Fire Ecology .....3	ECON 334 Agricultural Economics & Agribusiness ....3
BIOL 336 & 336L General Ecology and Laboratory .....3	AGRON 477 Great Plains Pedology.....4*
	Total 59

Recommended Electives: In order to enhance employment opportunities, the following elective courses are recommended: AGRI 331, 333/333L, 336, 338, 340, 420, GEOS 321, 322, and at the University of Nebraska - Lincoln courses in Natural Resource Policy, Watershed Management, Principles of Forestry, Disturbed Land Reclamation, and Remote Sensing/GIS.



Rangeland Livestock Management Option

A student must complete the following program in addition to the Core requirements and complete 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 331 Farm and Ranch Management	3	Business Electives from list below.....	9
			Total
			58

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

Business Electives: Select nine (9) hours from the following: ACTG 241, AGRI 340, 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, GEOS 321, 322, and ECON 434.

Bachelor of Science in Natural Resources WITH A MAJOR IN RANGELAND ECOSYSTEMS:

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 AGRI-BUSINESS OPTION: See Business and Economics Department.

MINORS in Agriculture

Agribusiness: This minor is recommended for the student interested in agribusiness and enrolled in a major other than rangeland management.

AGRI 132 Introduction to Animal Science.....	4	AGRI 331 Farm and Ranch Management	3
AGRI 242 & 242L Principles of Rangeland & Forage		AGRI 410 Agriculture Seminar.....	1
Crop Mgmt & Lab	4	Choose 9 hrs of electives from below	9
			Total
			21

Electives: AGRI 340, 431, ECON 334, 338, 434, FIN 335.

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.....	4	Animal Production electives to be selected from	
AGRI 242 & 242L Principles of Rangeland & Forage		list below	6
Crop Mgmt & Lab	4	Animal Anatomy/Physiology to be selected from	
AGRI 337 Applied Animal Nutrition	3	list below	3
			Total
			20

Animal Production: Select at least six (6) hours from the following: AGRI 333/333L, 335, 336.

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

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	GEOS 322 Introduction to GIS	2
AGRI 245 & 245L Prin of Soil Science & Lab	4	BIOL 438 & 438L Taxonomy of Plants & Lab	3
AGRI 339 & 339L Rangeland Plant Identification & Lab.3		BIOL 439 & 439L Plant Physiology & Lab	3
AGRI 428 & 428L Veg Invent & Analysis & Lab	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.....4	AGRI 339 & 339L	Rangeland Plant Identification.....3
AGRI 242 & 242L	Prin of Rangeland & Forage	AGRI 428 & 428L	Veg Inventory & Analysis
Mgmt & Lab	.....4	Choose 7 hrs of electives from below	.....7
			Total
			21

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

Wildlife Management: This minor is recommended for the student interested in wildlife management.

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

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

Veterinary Science: See agriculture faculty or pre-vet advisors for information.

ACADEMIC CERTIFICATE in Agriculture

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. These courses are offered through distance learning at all CSC branch campuses.

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

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

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	BIOL 438/438L	Taxonomy of Plants & Lab
AGRI 339/339L	Rangeland Plant Identification & Lab.....3	BIOL 439/439L	Plant Physiology & Lab
			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.

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
GEOG 339	Geography of the Great Plains.....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; ENG 435; GEOG 430; and SOC 335.

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.

APPLIED HISTORY

The Program in Applied History/Museum Studies is a comprehensive interdisciplinary degree, training students to apply the study of history to a professional career in museology and other similar professions.

Student Learning Outcomes

Graduates of the program will develop knowledge and acquire skills to design and build exhibits, accession and catalog artifacts, care for archives, administer a museum, create programming, and market the museum.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN APPLIED HISTORY:

A student must complete the following core, one option, and the General Studies requirements:

Core Requirements

AHIS 231	Introduction to Museums .....3	AHIS 390	Applied History Internship .....6
AHIS 330	Management & Care of Collections .....3	HIST 339	Nebraska History.....3
AHIS 331	Exhibit Design.....3	HIST 430	History of the American Indian .....3
AHIS 333	Museum Administration.....3	HIST 446	The American West, 1500-1890.....3
			Total
			27

Option I: Cultural and Physical Science

Core Requirements	27	GEOS 337	Paleontology.....3
ANTH 231	Intro to Cultural Anthropology .....3	GEOS 436	Field Excavation & Procedures .....3
ANTH 337	People & Cultures of North America.....3	Electives (to be selected from list below)*	8
ANTH 435	Northern Plains Indian Cultures.....3	Total	
GEOG 339	Geography of the Great Plains.....3	53	

Option II: Museum Management

Core Requirements	27	MKTG 231	Principles of Marketing.....3
ACTG 241	Accounting Principles I.....3	MKTG 336	Advertising.....3
ACTG 433	Government & Not-for-Profit Actg.....3	Electives (to be selected from list below)*	8
MGMT 230	Principles of Management .....3	Total	
MGMT 330	Organizational Theory & Behavior.....3	53	

Option III: Art

Core Requirements	27	ART 340	Twentieth Century Art Survey	3	
ART 229	Intro to Graphic Design.....	3	FCS 341	Textiles	3
ART 329	Graphic Design II.....	3	Electives (to be selected from list below)*	8	
ART 338	Art History Survey I.....	3		Total	53
ART 339	Art History Survey II	3			

*Electives to be selected from courses below. Elective courses selected must not duplicate specified requirements within the Option: ACTG 241, 433; ART 229, 329, 338, 339; BIOL 448/448L; FCS 341; GEOG 337/337L, 339; LMs 434; and MKTG 231.

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:

- Students will have an opportunity to explore, create, analyze, and understand art.
- Students will develop and enhance their artistic skills.
- Students will gain knowledge of art through workshops, field trips, and gallery exhibits.
- The Art discipline will create an atmosphere which encourages students to communicate their ideas and feelings about art.
- Students will experiment with new art materials, procedures, and technology.
- Prospective teachers will become knowledgeable with methods and techniques used in art education.
- Students will develop a professional portfolio and art exhibit.

Requirements

1. All art majors are required to complete Art 131, 133, 136, and 230 prior to enrolling in any other studio courses.
2. All incoming freshman art majors with the assistance of the art faculty must complete an entry level survey of their previous art experience for assessment purposes.
3. After completion of 60 credit hours, all art majors are required to submit two works each from three studio classes for evaluation by the art faculty. Students will be notified of the advisability of continuing in upper division art courses. Students are advised to save class projects for this purpose. Transfer students are required to submit a portfolio by the middle of their first semester junior year.
4. 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 the semester prior to enrolling in student teaching (Note: Secondary Methods Course in art is offered only during the Fall semester.)
5. The senior exhibit must reflect the student's ability to create Art in at least two media. 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 supply the department a senior thesis portfolio.
6. Students will not normally 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.
7. **NOTE:** ART 400, 430, 500, 530 are all three credit hour courses and may only be taken for a combined total of nine hours in any studio area.
8. Materials fee will be assessed for most Art courses.

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. 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	Figure Drawing I.....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

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).....3	
ART 340	20th Century Art Survey .....3	Total 57	

Art Studio Option

Core requirements.....39	*Electives selected from list below .....12	Total 57
ART 320	Figure Drawing II.....3	
ART 340	20th Century Art Survey .....3	

*Electives may be selected from ART 310, 325, 331, 332, 337, 421, 428.

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

ART 131	Drawing I.....3	ART 323	Creative Photography
ART 133	Design Fundamentals I.....3		OR
ART 136	Figure Drawing I.....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	20th 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 .....9	
ART 321	Glass I (a) or (b).....3	Total 54	

*Electives may be selected from ART 325, 331, 332, 337, 421, 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 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 228, 229, 232, 321	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)	3
			Total 21

BIOLOGY

Student Learning Outcomes

Students who complete a program of study from the Department of Physical and Life Sciences:

- Will be able to consistently apply logical reasoning and critical thinking, not constrained by convention or prejudice.
- Will be fluent in the foundations of knowledge needed for tomorrow's scientists and teachers of science.
- Will have acquired, through knowledge and study, a sense of appreciation of our world.
- Will possess the skills of inquiry and study needed to understand the true nature of the universe.

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

Core Requirements

BIOL 131	Fundamentals of Cellular Biology.....3	BIOL341 & 341L Microbiology & Lab.....4
BIOL 138 & 138L	General Botany & Lab.....3	BIOL 410 Biology Seminar II.....1
BIOL 139 & 139L	General Zoology & Lab.....3	*CHEM 140 & 140L General Chemistry & Lab.....4
BIOL 311	Biology Seminar I.....1	**CHEM 231 & 231L Intro to Organic Chem & Lab....4
BIOL 332	Genetics.....3	CHEM 435 & 435L Biochemistry & Lab.....4
		Total 30

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

**CHEM 233/233L and CHEM 234/234L may be substituted. See Biology advisor.

Environmental Resource Management Option ¹

Core Requirements	30	BIOL 336 & 336L General Ecology & Lab	3
AGRI 427 & 427L Animal Anatomy Phys & Lab		BIOL 337 Environmental Management	3
OR		BIOL 425 & 425L Plant Morphology & Lab	3
BIOL 231 & 231L Anatomy & Physiology & Lab.....	4	BIOL 431 & 431L Entomology & Lab.....	3
BIOL 229 & 229L Vertebrate Zoology & Lab		BIOL 438 & 438L Taxonomy of Plants & Lab	3
OR		BIOL 444 & 444L Limnology & Lab.....	3
BIOL 328 & 328L Invertebrate Zoology & Lab.....	2	CHEM 433 Environmental Chemistry	3
			Total 57

General Biology Option

Core Requirements	30	BIOL 425 & 425L Plant Morphology & Lab	3
BIOL 229 & 229L Vertebrate Zoology & Lab.....	2	BIOL 432 & 432L Developmental Biology & Lab	3
BIOL 231 & 231L Anatomy & Physiology & Lab.....	4	BIOL 449 & 449L Molecular Biology & Lab	4
BIOL 328 & 328L Invertebrate Zoology & Lab.....	2	Upper Division Biology Electives	6
BIOL 336 & 336L General Ecology & Lab.....	3		Total 57

Human Biology Option ²

Core Requirements	30	BIOL 343 & 343L Parasitology & Lab	
BIOL 340 & 340L Human Anatomy & Lab	4	OR	
BIOL 342 & 342L Human Physiology & Lab.....	4	BIOL 456 & 456L Pathogenic Micro & Lab.....	3
BIOL 430 Immunology		BIOL 449 & 449L Molecular Biology & Lab	4
OR		PSYC 131 General Psychology	3
BIOL 433 & 433L Anal of Human Move & Lab.....	3	PSYC 334 Developmental Psychology	
BIOL 432 & 432L Developmental Biol & Lab	3	OR	
		PSYC 430 Intro to Physiological Psychology	3
			Total 57

Molecular Biology Option ³

Core Requirements	30	BIOL 432 & 432L Developmental Biol & Lab	3
BIOL 231 & 231L Anatomy & Physiology & Lab.....	4	BIOL 449 & 449L Molecular Biology & Lab	4
BIOL 412 Biotechnology	3	PHYS 151 & 151L College Physics I & Lab	5
BIOL 430 Immunology	3	PHYS 152 & 152L College Physics II & Lab	5
			Total 57

Students intending to pursue a graduate degree emphasizing research are encouraged to strengthen their chemistry, physics, and mathematics proficiencies through additional coursework.

¹ Students entering the Environmental Resource Management field are encouraged to pursue a minor in Applied Statistics, Chemistry, Geoscience, Water Resource Management, or Wildlife Management. CHEM 433L is highly recommended; GEOS 231/231L may be substituted for CHEM 433. IST 130 or equivalent and MATH 232 and 435 are recommended, as well as several of the following courses: PS 432, C A 233 or 334, BIOL 311, GEOS 321 and 322. Spanish language should be taken for Global and Social Awareness in General Studies.

² Students intending to pursue professional training in Medicine, Physical Therapy, and Physician Assistant programs should include BIOL 465, Neuroscience (3 credits) in their curriculum. SPAN 270, Spanish for the Health Professions (3 credits), or one year of Spanish language is highly recommended. Please consult advisor.

³ Students enrolled in this option are encouraged to substitute CHEM 131/131L and CHEM 132/132L for CHEM 140/140L, and substitute CHEM 233/233L and CHEM 234/234L for CHEM 231. MATH 232 is highly recommended.

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN BIOLOGY (7-12): A student must complete the following program in addition to the Professional Education and General Studies Requirements. Students pursuing this endorsement must complete PHYS 435 as one of the General Studies Global and Social Awareness requirements.

BIOL 131 Fundamentals of Cellular Biology	3	BIOL 341 & 341L Microbiology & Lab	4
BIOL 138 & 138L General Botany & Lab	3	BIOL 410 Biology Seminar II.....	1
BIOL 139 & 139L General Zoology & Lab	3	BIOL 412 Biotechnology	3
BIOL 231 & 231L Anat. & Physiology & Lab.....	4	#CHEM 140 & 140L General Chemistry & Lab.....	4
BIOL 310 Biology Seminar I.....	1	##CHEM 231 & 231L Intro to Org. Chem & Lab	4
BIOL 332 Genetics.....	3	GEOS 231 & 231L Physical Geology & Lab.....	4
BIOL 336 & 336L General Ecology & Lab.....	3	PHYS 151 & 151L College Physics I & Lab.....	5
		Total	45

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

##CHEM 233/233L and CHEM 234/234L may be substituted. See Biology advisor.

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 Human Medicine, Veterinary Medicine, Dentistry, Physical Therapy, Optometry, Occupational Therapy, Physician Assistant, Osteopathic Medicine, Chiropractic Medicine, Podiatric Medicine, or a professional program in another of the health sciences that requires three or more years of study.

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.

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 131 Fundamentals of Cellular Biology .....3	BIOL 410 Biology Seminar II.....1
BIOL 139 & 139L General Zoology & Lab .....3	CHEM 131 & 131L College Chemistry I & Lab1 .....4
BIOL 231 & 231L Anatomy and Physiology & Lab OR	CHEM 132 & 132L College Chemistry II & Lab1 .....5
BIOL 340 & 340L Human Anatomy & Lab .....4	CHEM 231 & 231L Intro to Organic Chem & Lab2.....4
BIOL 311 Biology Seminar I .....1	CHEM 435 & 435L Biochemistry & Lab2,3.....4
BIOL 341 & 341L Microbiology & Lab1 .....4	PHYS 151 & 151L College Physics & Lab I4 .....5
	Total 33-38

1. Pre-physical therapy and radiological technology students must replace the courses listed with CHEM 140/140L.
2. Pre-dental students must replace the courses listed with CHEM 233/233L and CHEM 234/234L.
3. Pre-occupational therapy students may substitute FCS 337, Nutrition, for this course.
4. Pre-clinical laboratory science students must replace the courses listed with BIOL 412/512.

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 .....36	BIOL 430 Immunology .....3
BIOL 323 & 323L Basic Hematology & Lab .....2	BIOL 456 & 456L Pathogenic Microbiology & Lab.....3
BIOL 332 Genetics .....3	CHEM 332 & 332L Analytical Instrument & Lab .....3
BIOL 343 & 343L Parasitology & Lab .....3	Total 51

General Studies

C A 130 Interpersonal Comm.....3	MATH 232 Applied Statistics .....3
ENG 135 Composition I** .....3	PHIL 231 Introduction to Philosophy.....3
ENG 137 Technical Writing I** .....3	PSYC 131 General Psychology .....3
ENG 233 Elements of Literature.....3	SOC 231 Introduction to Sociology .....3
HUM 231 The Humanistic Tradition .....3	Humanities, History or Government elective .....3
	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 .....35
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 preprofessional 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.



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	38	PHYS 152 & 152L College Physics II & Lab	5
BIOL 342 & 342L Human Physiology & Lab.....	4	Upper Division Program Electives*	6
			Total
			53

*Upper division program electives must be selected from courses in Science, Mathematics, Information Science and Technology, Business Administration, Business Management, Psychology, English, and/or Speech, with advisor consultation.

General Studies

C A 130	Interpersonal Comm.....	3	PHIL 231	Introduction to Philosophy.....	3
ENG 137	Technical Writing I**.....	3	PSYC 131	General Psychology	3
ENG 233	Elements of Literature.....	3	PSYC 334	Developmental Psychology.....	3
HUM 231	The Humanistic Tradition	3	SOC 231	Introduction to Sociology	3
MATH 232	Applied Statistics	3			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	35
Minimum total	125

Pre-Dentistry Option

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

Core Requirements	38	PHYS 152 & 152L College Physics II & Lab	5
BIOL 342 & 342L Human Physiology & Lab.....	4	Upper Division Program Electives*	6
BIOL 443	Rural Health Issues		1
			Total
			54

*Upper division program electives must be selected from courses in Science, Mathematics, Information Science and Technology, Business Administration, Business Management, Psychology, English, and/or Speech, with advisor consultation. The UNMC College of Dentistry recommends selection of electives in areas of communications, psychology, and business.

General Studies

C A 130	Interpersonal Comm.....	3	MATH 232	Applied Statistics	3
ENG 135	Composition I**.....	3	PHIL 231	Introduction to Philosophy.....	3
ENG 137	Technical Writing I**.....	3	PSYC 131	General Psychology	3
ENG 233	Elements of Literature.....	3	PSYC 334	Developmental Psychology.....	3
HUM 231	The Humanistic Tradition	3	SOC 231	Introduction to Sociology	3
					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
One year of a professional program in Dentistry -	
Upper Division Hours	<u>35</u>
Minimum total	125

Pre-Occupational Therapy Option

Students must complete the core requirements; the courses listed below; and one year of an appropriately accredited professional program in Occupational Therapy.

Core Requirements	37-38	BIOL 433 & 433L Analysis of Human Mvt & Lab.....	4
ART 228 Ceramics I	3	FCS 320 Aging and Death	3
BIOL 342 & 342L Human Physiology & Lab.....	4	SW 231 Introduction to Social Work.....	<u>3</u>
			Total 54-55

General Studies

C A 130 Interpersonal Comm.....	3	MATH 232 Applied Statistics	3
ENG 135 Composition I**	3	PHIL 231 Introduction to Philosophy.....	3
ENG 137 Technical Writing I**	3	PSYC 131 General Psychology	3
ENG 233 Elements of Literature.....	3	PSYC 334 Developmental Psychology.....	3
GEOG 300 World Cultures	3	SOC 230 Society: Structure & Process	3
HIST 233 Western Civilization I.....	3	SOC 231 Introduction to Sociology	<u>3</u>
HUM 231 The Humanistic Tradition	3	Total 42	
HUM 335 Comparative Religions	3		

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

Minimum hours through CSC	96
One year of a professional program in Occupational	
Therapy - Upper Division Hours	<u>34</u>
Minimum total	125

Pre-Optometry Option

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

Core Requirements	38	MATH 232 Applied Statistics	3
BIOL 342 & 342L Human Physiology & Lab.....	4	PHYS 152 & 152L College Physics II & Lab	<u>5</u>
MATH 151 Calculus I	5	Total 55	

General Studies

C A 130 Interpersonal Comm.....	3	MATH 134 Plane Trigonometry.....	3
ENG 135 Composition I**	3	PHIL 231 Introduction to Philosophy.....	3
ENG 137 Technical Writing I**	3	PSYC 131 General Psychology	3
ENG 233 Elements of Literature.....	3	PSYC 334 Developmental Psychology.....	3
HUM 231 The Humanistic Tradition	3	Social Science elective	<u>3</u>
			Total 30

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

General Electives

Five 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 Optometry -	
Upper Division Hours	35
Minimum total	125

Pre-Physical Therapy Option

Students earning this degree from Chadron State College must complete the courses listed below and one year of an appropriately accredited professional program in physical therapy.

Core Requirements	31	BIOL 433 & 433L Analysis of Human Move & Lab	3
BIOL 332 Genetics	3	PHYS 152 & 152L College Physics II & Lab	5
BIOL 342 & 342L Human Physiology & Lab	4	PSYC 433 Abnormal Psychology	3
		Total	49

General Studies

C A 130 Interpersonal Comm	3	MATH 134 Plane Trigonometry*	3
ENG 135 Composition I**	3	PHIL 231 Introduction to Philosophy	3
ENG 137 Technical Writing I**	3	PSYC 131 General Psychology	3
ENG 233 Elements of Literature	3	PSYC 334 Developmental Psychology	3
HUM 231 The Humanistic Tradition	3	SOC 231 Introduction to Sociology	3
		Total	30

*Students are encouraged to enroll in the math courses for which they have the background, including MATH 134, 135, 138, 142, or 151.

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

General Electives

Eight 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	
Physical Therapy - Upper Division Hours	35
Minimum total	125

Pre-Podiatric 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 Podiatric Medicine.

Core Requirements	38	Upper Division Program Electives*	10
PHYS 152 & 152L College Physics II & Lab	5	Total	53

*Upper division program electives must be selected from courses in Science, Mathematics, Information Science and Technology, Business Administration, Business Management, Psychology, English, and/or Speech, with advisor consultation.

General Studies

C A 130 Interpersonal Comm	3	MATH 232 Applied Statistics	3
ENG 135 Composition I**	3	PHIL 231 Introduction to Philosophy	3
ENG 137 Technical Writing I**	3	PSYC 131 General Psychology	3
ENG 233 Elements of Literature	3	PSYC 334 Developmental Psychology	3
HUM 231 The Humanistic Tradition	3	SOC 231 Introduction to Sociology	3
		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 Podiatry Medicine	
- 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	38	AGRI 427 & 427L Animal Physiology & Lab	4
AGRI 132 Animal Science	4	AGRI 447 Animal Breeding and Reproduction	3
AGRI 234 & 234L Prin of Animal Nutrition & Lab.....	3	BIOL 332 Genetics.....	<u>3</u>
AGRI 410 Agriculture Seminar	1		Total 56

General Studies

BIOL 432 & 432L Developmental Biology & Lab	3	ENG 137 Technical Writing**.....	3
C A 130 Interpersonal Comm		HUM 231 The Humanistic Tradition	3
OR		MATH 232 Applied Statistics	3
CA 230 Conflict Resolution & Mediation		PHYS 152 & 152L College Physics II & Lab	5
OR		SPAN 131 First Year Spanish	3
CA 233 Presentational Speaking	3	General Studies Electives: 12 hours to fulfill	
ENG 135 Composition I**.....	3	General Studies requirements in Government, History, Humanities, and Reason & Values.....	<u>12</u>
			Total 38

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

Minimum hours through CSC	93
One year at an accredited Veterinary School.....	<u>32</u>
Minimum total	125

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 Mathematics and Science. The courses selected for this option must total 21 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.

Core Requirements	38	Program Electives (See above paragraph).....	<u>16</u>
			Total 54

General Studies

C A 130 Interpersonal Comm.....	3	MATH 232 Applied Statistics	3
ENG 135 Composition I**.....	3	PHIL 231 Introduction to Philosophy.....	3
ENG 137 Technical Writing I**.....	3	PSYC 131 General Psychology	3
ENG 233 Elements of Literature.....	3	SOC 231 Introduction to Sociology	3
HUM 231 The Humanistic Tradition	3	Humanities, History or Government elective.....	<u>3</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	35
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 **	71
		Total	102

Radiologic Technology Prerequisites***

Math 142 College Algebra.....	4	IST 130 Intro to Computer Applications	3
		Total	7

General Studies

C A 130 Interpersonal Comm.....	3	MATH 232 Applied Statistics	3
ENG 135 Composition I****	3	PHIL 231 Introduction to Philosophy.....	3
ENG 137 Technical Writing I****.....	3	PSYC 131 General Psychology	3
ENG 233 Elements of Literature.....	3	SOC 231 Introduction to Sociology	3
HUM 231 The Humanistic Tradition	3	Electives in Humanities, History or Government.....	3
		Total	30

*Students substitute Health Physics I, Radiation Physics I, and Radiobiology from the RWMC Radiologic Technology Certificate Program for CHEM 435 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.

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

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 131 Fundamentals of 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.

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

AGRI 245 Principles of Soil Science	3	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	21

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

BIOL 235 & 235L Intro to Wildlife Mgmt	3	BIOL 435 Mammalogy	3
BIOL 325 & 325L 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.

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

DENTAL HYGIENE: Includes two years of coursework at CSC and two years of professional study at the Program in Dental Hygiene, College of Dentistry, UNMC in Lincoln, 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 three years of study at CSC followed by four years of professional education at the College of Dentistry at UNMC. The student may receive a Bachelor of Science degree in the Health Sciences from CSC upon successful completion of the first year of dental school.

MEDICAL TECHNOLOGY: 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.

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 in Health Science from CSC. The M.D. degree will be awarded by UNMC upon successful completion of the professional program.

NURSING: Typically includes one and a half years to 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 two 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 this six year program, the student will qualify for the Bachelor of Science in Health Science upon successful completion of the first year of the professional program, and will receive a Doctor of Pharmacy degree from UNMC College of Pharmacy.

PHYSICAL THERAPY: Includes three 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 may receive a Bachelor of Science degree with a comprehensive major in Health Sciences from Chadron State College upon successful completion of the first year of the professional program, and a Doctor of Physical Therapy from 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 at UNMC in Omaha or at selected clinical sites in western Nebraska. The student may receive a Bachelor of Science degree from CSC upon successful completion of the first year of physician assistant school.

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.

HIGH PLAINS HEALTH OPPORTUNITIES PROGRAM

The High Plains Health Opportunities Program (HPHOP) is a cooperative program between Chadron State College and Creighton University Health Sciences Center. This program is designed for students from Wyoming, South Dakota, Montana, Colorado, and Nebraska wanting to become Occupational Therapists or Pharmacists and who want to return to a rural area to practice. The students in either option of this program follow a special curriculum during their two or three years at CSC. Students in occupational therapy spend four years in the Occupational Therapy Program at Creighton University and receive a Doctor of Occupational Therapy degree from Creighton University upon successful completion of the program. Students in pharmacy spend four years in the Pharmacy Program at Creighton University and receive a Doctor of Pharmacy degree from Creighton University upon successful completion of the program. Students admitted into HPHOP will be automatically admitted into the designated professional program at Creighton University upon successful completion of the appropriate two year curriculum at CSC.

For information, application forms, admissions criteria, criteria for evaluation of progress in the program, and programs of study while at CSC, please contact the Health Professions Office at CSC.

RAPID CITY REGIONAL HOSPITAL AFFILIATED HOSPITAL-BASED CLINICAL MEDICAL TECHNOLOGY CURRICULUM

This structured curriculum for the clinical year of professional study at an affiliated hospital-based medical technology program includes: Theory and Principles, Methodologies and Instrumentation, Problem Solving, Quality Assurance, and Computer Applications, Clinical Significance and Correlation of Laboratory Procedures (in the diagnosis and treatment of disease processes).

The curriculum encompasses six MAJOR subject areas commonly offered in the modern clinical laboratory. These six major subjects are: Clinical Microscopy/Urinalysis, Clinical Hematology/Coagulation, Clinical Microbiology, Clinical Serology/Immunology, Clinical Chemistry/Radiobioassay/Body Fluids, and Clinical Immunohematology.

It also includes SPECIALIZED UNITS OF INSTRUCTION (SPECIAL TOPICS) which may be offered as separate courses, clustered together, or included within one of the major subject areas. These specialized units are: Introduction/Orientation to Medical Technology, Phlebotomy, Computer Applications in the Clinical Laboratory, Laboratory Mathematics/Quality Assurance, Management/Supervision, Educational Methodology, and Introduction to Research.

Clock hours (didactic and practical), as well as placement of these specialized units within the clinical year, account for the diversity of credit hours per subject area assigned by the hospital affiliate. The total semester hours credit recommended by COMTE (Committee on Medical Technology Education) for transcript posting is 40 hours.

Special Appointment Medical Technology Program Faculty: Pam Kieffer, M.T., Program Director; Susan L. Eliason, M.D., Medical Director.

COURSE DESCRIPTIONS

Major Subjects

Semester Hours Credit

1. Clinical Microscopy/Urinalysis **Range of Credit: 2-3 sem. hrs.**

Lecture, supervised laboratory instruction, quality control, instrumentation, computer applications, and experience in body fluids and urine in regard to chemical and cellular composition, anatomy and physiology, theory of renal function in health and disease.

2. Clinical Hematology/Coagulation **Range of Credit: 5-8 sem. hrs.**

Lecture, supervised laboratory instruction, quality control, instrumentation, computer applications, and experience in the analysis of cellular elements of the blood and bone marrow, both normal and abnormal, and on the hemostatic mechanisms of the blood.

3. Clinical Microbiology **Range of Credit: 8-12 sem. hrs.**

Lecture, supervised laboratory instruction, quality control, instrumentation, computer applications, and experience in the isolation and identification of pathogenic organisms and their susceptibility to anti-microbial agents. Includes Bacteriology, Mycology, Parasitology, and Virology.

4. Clinical Serology/Immunology **Range of Credit: 2-3 sem. hrs.**

Lecture on antigen/antibody structure-function-interactions, supervised laboratory instruction, quality control, instrumentation, computer applications, and experience in applying the principles of immunology to serologic diagnosis.

5. Clinical Chemistry/Radiobioassay/Body Fluids **Range of Credit: 8-12 sem. hrs.**

Lecture, supervised laboratory instruction, quality control, computer applications, instrumentation, and experience in medically oriented biochemistry as applied to normal and abnormal physiology and analyses of body constituents. Includes analyses of special body fluids such as amniotic, synovial cerebrospinal, gastric, and pleural fluids. Includes special procedures utilized for toxicology, endocrinology and radiobioassay.

6. Clinical Immunohematology **Range of Credit: 4-6 sem. hrs.**

Lecture, supervised laboratory instruction, quality control, instrumentation, computer applications and experience in theory and practice of immunohematology as applied to blood transfusion, component therapy, autoimmune diseases, immunologic diagnostic procedures, and blood component preparation and administration.

Specialized Units (Special Topics)

Semester Hours Credit

7. Orientation to Medical Technology **Range of Credit: 0-1 sem. hrs.**

A. Introduction

Introduction to basic techniques, principles of safety, infection control, professional ethics, and personal and professional responsibilities in the clinical laboratory. Review of program's rules and regulations. Introduction to clinical significance of laboratory procedures in diagnosis and treatment.

B. Phlebotomy

Anatomy and physiology of the arm, blood collection techniques from vein, capillary, artery, and difficult draw sites. Specimen variables and handling techniques. Interactive communication skills with patients and paraprofessionals.

C. Computer Applications in the Clinical Lab

An introduction to techniques, principles, and concepts common in laboratory data processing systems. Utilization of mini-computers in the laboratory and with instruments.

D. Laboratory Mathematics/Quality Assurance

Laboratory oriented mathematics with emphasis on performing calculations related to units of measure, pH, Beer's Law and calibration curves, Henderson-Hasselbach equation, enzyme activity, renal clearance, gastric acidity, and hematology calculation. Principles and practices of quality assurance. Includes statistical techniques, method evaluation, and pipette calibration.

8. Management and Supervision**Range of Credit: 0-4 sem. hrs.**

Lectures and/or seminars on theory and techniques of laboratory oriented management practices utilized in planning, organizing, directing, controlling, and supervising a clinical laboratory facility.

9. Educational Methodologies**Range of Credit: 0-4 sem. hrs.**

Lectures and/or seminars on the principles of education. Includes methods of instruction, writing objectives, and evaluation devices for didactic and clinical practice.

10. Introduction to Research**Range of Credit: 0-1 sem. hrs.**

Faculty guided study, research, scientific writing, case study presentations, and/or projects in specialty area(s) of medical technology.

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 and Economics:

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

Vision

The Department of Business and Economics at Chadron State College provides nationally competitive professional preparation in Business Administration and Business Education. These programs provide the requisites for personal fulfillment, responsible leadership in business, teaching and service.

Mission

The faculty of the Department of Business and Economics is committed to preparing students for challenging careers in the rapidly changing, highly technological and culturally diverse world. The fundamental purpose of the Department of Business and Economics is to be the premier provider of professional business programs in our service region. We strive to combine excellence in teaching with appropriate course work 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

Students successfully completing programs offered by the Department of Business and Economics will develop the knowledge, skills, competencies, and attitudes to be able to:

1. Attain a career or entrance into a graduate program in business, economics, or related field.
2. Acquire the lifelong learning skills in business needed for professional and personal growth.
3. Interpret and utilize current theory and research findings to achieve a satisfactory score on a nationally recognized standardized exam in business.

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 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 one of the following or equivalent Mathematics Requirement, prior to taking advanced (300/400 level) Finance, Economics, and Management courses: MATH 138 Applied Calculus or MATH 142 College Algebra. All Business majors must complete BA 331 Business Communications or equivalent for the General Studies Communication requirement.

ACTG 241	Accounting Principles I.....3	FIN 330	Business Finance I .....3
ACTG 242	Accounting Principles II .....3	MGMT 230	Principles of Management .....3
B A 336	Business & Economic Statistics.....3	MGMT 434	Strategic Management.....3
B A 337	Business Law.....3	MIS 130	Principles of Information Systems.....3
ECON 231	Macroeconomics .....3	MIS 332	Decision Support for Managers .....3
ECON 232	Microeconomics .....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 and the General Studies requirements. Transfer students from a two (2) year institution must complete 50% of the required business administration degree courses from Chadron State College. All Business Majors must complete one of the following or equivalent Mathematics Requirement, prior to taking advanced (300/400 level) Finance, Economics and Management courses: MATH 138 Applied Calculus or MATH 142 College Algebra. All Business majors must complete BA 331 Business Communications or equivalent for the General Studies Communication requirement.

Core Requirements

ACTG 241	Accounting Principles I.....3	FIN 330	Business Finance I .....3
ACTG 242	Accounting Principles II .....3	MGMT 230	Principles of Management .....3
B A 336	Business and Economic Statistics .....3	MGMT 434	Strategic Management.....3
B A 337	Business Law.....3	MIS 130	Principles of Information Systems.....3
ECON 231	Macroeconomics .....3	MIS 332	Decision Support for Managers .....3
ECON 232	Microeconomics .....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 Accounting	ACTG 431	Corporate/Fiduciary Tax	3
ACTG 341	Intermediate Accounting I.....3	ACTG 438	Auditing	3
			Total 57	

Recommended Electives: In order to enhance employment and graduate school opportunities, the following electives are recommended: ACTG 343, 433, 443.



Accounting Option: Certified Public Accountant Path

BA Degree: Core Requirements.....	36	ACTG 438 Auditing	3
ACTG 332 Accounting Information Systems.....	3	ACTG 443 Advanced Accounting	3
ACTG 337 Cost Accounting	3		
ACTG 341 Intermediate Accounting I.....	3	Additional Business Courses:	
ACTG 342 Intermediate Accounting II	3	BA 241 Quantitative Methods	3
ACTG 343 Intermediate Accounting III.....	3	BA 431 Professional Ethics.....	3
ACTG 430 Personal Income Tax	3	BA 432 Legal Aspects of Business Ownership.....	3
ACTG 431 Corporate/Fiduciary Tax.....	3	General Studies.....	47
ACTG 433 Government/Not-for-Profit Actg	3	Electives ⁽¹⁾	28
			Total 150

Recommended: ⁽¹⁾MBA Degree

Agri-Business Option

Core Requirements	36	ECON 334 Agricultural Econ. & Agribusiness.....	3
AGRI 132 Intro to Animal Science.....	4	ECON 338 Agricultural Marketing	3
AGRI 141 Intro to Plant Science	3	ECON 434 National Agricultural Policy	3
AGRI 410 Agriculture Seminar	1	FIN 335 Agricultural Finance	3
			Total 56

Recommended Electives: In order to enhance employment opportunities, the following electives are recommended: AGRI 234, 242, 245, 331, 332, 333; ECON 331; FIN 432.

Economics/Finance Option

Core Requirements	36	FIN 331 Financial Markets & Institutions	3
B A 241 Quantitative Methods	3	FIN 339 Personal Finance	3
ECON 331 Money and Banking	3	FIN 432 Business Finance II.....	3
ECON 425 Intermediate Economics Analysis.....	3	FIN 439 Investments.....	3
			Total 57

Management Option

Core Requirements	36	FIN 432 Business Finance II.....	3
ACTG 337 Cost Accounting.....	3	MGMT 330 Organizational Theory & Behavior.....	3
B A 241 Quantitative Methods	3	MGMT 430 Human Resource Management	3
B A 432 Legal Aspects of Business Ownership.....	3	MGMT 432 Production & Operations Management	3
			Total 57

Management Information Systems Option

Core Requirements	36	MIS 331 Database Management	3
IST 230 Web Page Development	3	MIS 337 E-Commerce	3
MIS 235 Business Programming.....	3	MIS 430 Project Management	3
MIS 330 Applied Information Processing	3	MIS 431 Systems Analysis and Design	3
			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	3
			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 and economics 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 EDUCATION (7-12)*:

A student must complete the following program in addition to the General Studies 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 one of the following or equivalent Mathematics Requirement, prior to taking advanced (300/400 level) Finance, Economics, and Management courses: MATH 138 Applied Calculus or MATH 142 College Algebra.

ACTG 241	Accounting Principles I.....3	ECON 232	Microeconomics.....3
ACTG 242	Accounting Principles II.....3	FIN 330	Business Finance I.....3
B A 331	Business Communications.....3	MGMT 230	Principles of Management.....3
B A 336	Business and Economic Statistics.....3	MGMT 434	Strategic Management.....3
B A 337	Business Law.....3	MIS 130	Principles of Information Systems.....3
CTE 431	Intro. to Spec Needs Programs in CTE.....3	MIS 330	Applied Information Processing.....3
CTE 434	Prin. & Philosophy of CTE.....3	MIS 332	Decision Support for Managers.....3
CTE 438	Coord. in Occ. Training Program.....3	MIS 337	E-Commerce.....3
ECON 231	Macroeconomics.....3	MKTG 231	Principles of Marketing.....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 related on-the-job experience of either (1) 1,000 clock hours paid employment in business related job or (2) 180 clock hours internship (B A 390).

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN BASIC BUSINESS EDUCATION (7-12):

A student must complete the following program in addition to the General Studies 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 one of the following or equivalent Mathematics Requirement, prior to taking advanced (300/400 level) Finance, Economics, and Management courses: MATH 138 Applied Calculus or MATH 142 College Algebra.

ACTG 241	Accounting Principles I.....3	FIN 330	Business Finance I.....3
ACTG 242	Accounting Principles II.....3	MGMT 230	Principles of Management.....3
BA 336	Business & Economics Statistics.....3	MGMT 434	Strategic Management.....3
B A 337	Business Law.....3	MIS 330	Applied Information Processing.....3
ECON 231	Macroeconomics.....3	MIS 332	Decision Support for Managers.....3
ECON 232	Microeconomics.....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, Professional Education and Middle Grades requirements, and in addition one other Content Area of Specialization in Middle Grades. Transfer students from a two (2) year institution must complete 50% of the required courses for the major from Chadron State College.

ACTG 241	Accounting Principles I.....3	ECON 130	Survey of Economics.....3
BA 331	Business Communications.....3	FIN 339	Personal Finance.....3
B A 337	Business Law.....3	MIS 330	Applied Information Processing.....3
			Total 18

MINORS in Business and Economics

Business:

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

Economics/Finance:

ACTG 241 Accounting Principles I.....3	ECON 331 Money and Banking.....3
B A 336 Business and Economic Statistics.....3	ECON 425 Intermediate Economics Analysis.....3
ECON 231 Macroeconomics .....3	FIN 330 Business Finance I .....3
ECON 232 Microeconomics .....3	Total 21

Recommended Electives: In order to enhance employment and graduate school opportunities, the following electives are recommended: ECON 334, 338, 430; FIN 339, 432.

Marketing/Entrepreneurship:

B A 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 courses in Nebraska schools. The learning objectives of Career and Technical Education are:

- Identify and explain the philosophy of the 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 (7-12): 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 work experience
OR	OR
CTE 434/534 Prin & Phil of CTE.....3	CTE 390 or 690 Internship.....6
CTE 438/538 Coord in Occup. Trng Prog.....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 requirements. Students pursuing this combination major are strongly recommended to enroll in SPAN 131, First Year Spanish and MATH 232, Applied Statistics, to fulfill the General Studies requirements for Global and Social Awareness and Mathematics.

Core Requirements

C A 231	Introduction to Desktop Publishing	3	C A 346	Intercultural Communication	3
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 333	News Journalism	3	C A 391	Internship in Journalism.....	3
C A 334	Theories & Practices of Persuasion	3	C A 434	Editing and Design.....	3
					Total 30

Human Communication Option

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

Journalism Option

Core Requirements		30	ENG 240	Adv. Grammar and Composition	3
ART 229	Intro to Graphic Design.....	3	ENG 337	Technical Writing II.....	3
ART 329	Graphic Design II.....	3	MKTG 231	Principles of Marketing.....	3
C A 431	Publication Projects.....	6	MKTG 336	Advertising.....	3
					Total 54

Public Relations Option

Core Requirements		30	C A 430	Communication Research Methods	3
ART 229	Intro to Graphic Design.....	3	C A 450	Case Studies in Public Relations	3
C A 230	Conflict Resolution & Mediation.....	3	MKTG 231	Principles of Marketing.....	3
C A 250	Public Relations Techniques	3	MKTG 336	Advertising.....	3
C A 350	Public Relations Multimedia.....	3	Total 54		

MINORS in Communication Arts

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

C A 233	Presentational Speaking	3	Elective II**	6
C A 334	Theories & Practices of Persuasion	3	Elective III***	6
Elective I*	.....	3		Total 21

*Elective I: one course to be selected from C A 225, 230, 260.

**Elective II: Two courses to be selected from C A 351, 353, 430.

***Elective III: Two courses to be selected from C A 346, 420, 440.

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 Desktop Pub	3	C A 431	Publication Projects	3
C A 234	Photojournalism	3	C A 434	Editing and Design.....	3
C A 238	Intro to Mass Media	3	ENG 337	Tech Writing II.....	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.

ART 229	Intro to Graphic Design.....	3	C A 430	Communication Research Methods	3
C A 230	Conflict Resolution and Mediation.....	3	C A 434	Editing and Design.....	3
C A 250	Public Relations Techniques	3	C A 450	Case Studies in Public Relations	3
C A 350	Public Relations Multimedia.....	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.

Student Learning Outcomes

The six expected student learning outcomes are as follows:

- 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)

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.

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 convictions, 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) three references from high school and home community members;
 - b) 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
 - c) 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 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, 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 Field Experience Office and filed into 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 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 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		SPED 334	Differ Instr for Diverse Classroom	2
	Instruction/Learning	2	At least one subject or field endorsement..... <u>30-66</u>		
EDUC 300	Secondary Obs. Participation.....	1-3	Total 44-82		
PSYC 231	Educ Psychology	3			

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

Professional Year (two semesters) - Comprised of "Block" Professional Semester and 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 411	Reading/Writing in the Content Areas.....	1	EDUC 418	Secondary/MS Assessment	1
EDUC 412	Secondary/MS General Methods	1	*EDUC 431(A-S)	Special Methods	3
EDUC 414	Classroom Mgmt	1	SPED 412	SPED Practices & Strategies	1
EDUC 415	Human Relations/Multicultural.....	1	Total 9		

*Students pursuing two Subject Endorsements must complete EDUC 431, Special Methods, in both subject areas. One special methods course should be taken prior to the Professional Year. The second special methods course must be taken the first semester of the Professional Year (Block), if offered. Also, the student must have a G.P.A. of 2.50 or better in the Special Methods course(s).

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
 Family and Consumer Sciences Education
 Health and Physical Education
 Industrial Technology Education
 Language Arts
 Library Media Specialist
 Mathematics
 Mild/Moderate Disabilities
 Music
 Nature Science
 Physical Science
 Social Science

Subject Endorsement Programs

Biology
 Chemistry
 Coaching*
 Driver Education*
 Earth Science
 English
 Foreign Language-Spanish
 Health
 Information Technology*
 (Computer Education)
 History
 Library Media Specialist*
 Physical Education
 Physics
 Theatre
 Vocational Special Needs*

*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 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	PSYC 336	Adolescent Psychology	3
EDUC 224	Multimedia Support Instr/Learning	2	SPED 230	Intro Exceptional Learner	3
EDUC 320	Elementary/MS Obs. & Participation.	2	SPED 334	Diff Instr for Diverse Classrooms.....	2
*EDUC 431	(A-L) Special Methods	6	*One (1) Elementary Methods course, from below.....2-3		
EDUC 433	The Middle School.....	3	Content Area of Specialization from below		
PSYC 231	Ed Psychology.....	3	Total 65-66		

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

*Two special methods courses are required: one for each 18 credit hour special content area. One special area methods course should be taken during the first semester of the Professional Year, Block, if offered.

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	Language Arts
Business Education	Mathematics
Family and Consumer Sciences	Natural Sciences
Foreign Language: Spanish	Social Science
Health and Physical Education	Special Education
Industrial Technology	

Professional Year (two semesters) - Comprised of “Block” Professional Semester and 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 414	Classroom Mgmt.....1	EDUC 423	Teach Primary Reading & Writing .....2
EDUC 415	Human Relations/Multicultural.....1	EDUC 424	Teach Interm. Reading & Writing .....2
EDUC 416	Elem/MS Assessment.....1	SPED 412e	SPED Practices & Strategies .....1
EDUC 417	Teach Reading & Writing Diagnosis .....1		Total 12

Semester #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	Secondary/MS General Methods .....1	EDUC 418	Secondary/MS Assessment .....1
EDUC 414	Classroom Mgmt.....1	SPED 412s	SPED Practices & Strategies .....1
			Total 6

The following courses must also be completed prior to teaching interning and may be completed during the CSC summer session prior to or following the Secondary “Block” courses:

EDUC 413	Elem/MS Curric. & Counseling.....1	EDUC 423	Teach Primary Reading & Writing .....2
EDUC 417	Teach Reading & Writing Diagnosis .....1	EDUC 424	Teach Interm. Reading & Writing .....2
			Total 6

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).

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, and other pertinent professional topics and issues. The student registers for EDUC 413, 414, 415, 416, 417, 422, 423 and 424 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 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 231	Educ Psychology .....3
EDUC 224	Multimedia Support of Instruction/Learning .....2	PSYC 332	Child Psychology
			OR
EDUC 320	Elem/MS Obs & Participation .....2	PSYC 334	Developmental Psychology .....3
SPED 230	Intro to the Exceptional Learner .....3		Total 16

Elementary Education Endorsement Courses:

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

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

Professional Year: Comprised of “Block” Professional Semester and 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 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 .....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.

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

mended that a student complete the following program in conjunction with a K-8 Elementary Education Endorsement program, in addition to the General Studies and Professional Education program requirements.

EDUC 231	Play, Art & Music for Early Childhood.....3	FCS 321	Curr Dev in Family & Con Sci Educ.....2
EDUC 232	Sci., Math & Soc. Sci. for Early Child.....3	FCS 332	Family Studies
EDUC 233	Lit. & Lang. Arts for Early Childhood .....3		OR
FCS 139	Child Growth & Development .....3	FCS 335	Families in Society.....3
FCS 237	Guid. Tech. In Human Relations.....3	FCS 423	Program Mgmt .....3
FCS 238	Prenatal and Infant Develop.....3	FCS 448	Early Childhood Practicum.....4
FCS 239	Parenting in a Contemp. Society.....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 321	Curr Dev in Family & Con Sci Educ.....2
EDUC 233	Lit. & Lang. Arts for Early Childhood.....3	FCS 423	Program Management.....3
FCS 139	Child Growth and Development.....3	FCS 448	Early Childhood Practicum.....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 values, including English grammar, critical and creative writing, American, English and World literature, traditional literary genres, film, 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.

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 and understanding of the elements of traditional literary genres.
- Know and identify the representative works and authors in major periods of American and British 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 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 335	Hist. of Amer. Lit. (a) & (b).....6	ENG 435	Native American Literature
ENG 338	Hist. of Eng. Lit. (a) & (b).....6		OR
ENG 339	Creative Writing.....3	*ENG 436	World Literature.....3
ENG 431	Topics in English (taken twice with different emphasis).....6	ENG 439	Dramatic Literature.....3
ENG 432	Shakespeare.....3	ENG 440	Theory & Practice of Literary Criticism.....3
		ENG 441	English & American Novels.....3
			Total 36

*ENG 436 cannot be used to meet the General Studies Global and Social Awareness program requirement.

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 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.

C A 238	Introduction to Mass Media .....3	ENG 435	Native American Literature
ENG 240	Advanced Grammar & Composition .....3		OR
ENG 331	Theory & Practice of Writing .....3	ENG 436	World Literature .....3
ENG 335	Hist. of Amer. Lit. (a) & (b).....6	ENG 438	Adolescent Literature.....3
ENG 338	Hist. of Eng. Lit. (a) & (b).....6	ENG 440	Theory & Practice of Literary Criticism.....3
ENG 432	Shakespeare .....3	ENG 441	English & American Novels .....3
			Total 36

ENG 240 and ENG 436 cannot be used to meet the General Studies Composition and Global and Social Awareness program requirements.

Teacher candidates are encouraged to take ENG 339, Creative Writing, 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 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.

C A 144	Oral Interpret & Perform Studies.....3	ENG 338	Hist. of Eng. Lit. (a) & (b).....6
C A 130	Interpersonal Communication	ENG 339	Creative Writing.....3
	OR	ENG 432	Shakespeare.....3
C A 346	Intercultural Communications.....3	ENG 435	Native American Literature
C A 231	Introduction to Desktop Publishing		OR
	OR	ENG 436	World Literature .....3
C A 233	Multimedia & Presentational Speaking .....3	ENG 438	Adolescent Literature .....3
C A 238	Introduction to Mass Media .....3	ENG 440	Theory & Practice of Literary Criticism.....3
C A 333	News Journalism .....3	ENG 441	English & American Novels .....3
C A 334	Theories & Practice of Persuasion.....3	READ 430	Reading in the Middle/Sec Sch.....3
C A 434	Editing & Design .....3	TH 134	Principles of Acting.....3
ENG 240	Advanced Grammar and Composition.....3	TH 159 & 159L	Technical Theatre and Lab .....3
ENG 331	Theory and Practice of Writing.....3	TH 237	Beginning Directing .....3
ENG 335	Hist. of Amer. Lit. (a) & (b).....6		Total 69

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 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.

ENG 240	Advanced Grammar & Composition .....3	ENG 338	History of Eng. Lit. (a) or (b) .....3
ENG 331	Theory & Practice of Writing .....3	ENG 432	Shakespeare.....3
ENG 335	Hist. of Amer. Lit. (a) or (b).....3	ENG 438	Adolescent Literature.....3
			Total 18

Teacher candidates are encouraged to take ENG 339, Creative Writing, in addition to the above requirements.

MINORS in English

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

C A 333	News Journalism	ENG 335	History of Amer. Lit. (a) & (b)	6
	OR	ENG 338	History of Eng. Lit. (a) & (b).....	6
ENG 240	Adv. Grammar & Composition	ENG 435	Native American Literature	
	OR		OR	
ENG 337	Technical Writing II	ENG 436	World Literature.	3
	OR	ENG 440	Theory & Practice of Literary Criticism....	3
ENG 339	Creative Writing		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 233	Elements of Lit.....	3	ENG 339	Creative Writing	3
ENG 240	Advanced Grammar and Composition.....	3	ENG 435	Native American Literature.....	3
ENG 331	Theory & Practice of Writing	3	HUM 432	World Mythology	3
ENG 335	History of American Literature (a) or (b) ..	3		Total	21

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 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 390	Internship	
FCS 123	Principles of Apparel.....	2		OR	
FCS 139	Child Growth and Development	3	FCS 448 & 448L	Early Childhood Practicum & Lab.....	4
FCS 320	Aging and Death	3	FCS 422	Professional Career Development.....	2
FCS 331	Family Systems Management	3	FCS 424	Housing Issues	2
FCS 332	Family Studies.....	3	FCS 435	Consumer Science.....	3
FCS 337	Nutrition	3			Total 30

Child Development Option

Core Requirements	30	FCS 237	Guidance Tech in Human Relations	3	
EDUC 231	Play, Art, Music for Early Childhood	3	FCS 238	Prenatal & Infant Development	3
EDUC 232	Sci, Math, and Soc. Sci. for Early Child		FCS 239	Partners in Early Childhood Education	3
	OR		FCS 321a	Curriculum Development in FCS	2
EDUC 233	Lit & Lang Arts for Early Childhood	3	FCS 423	Program Management.....	3
FCS 235	Food Production		SPED 332	Language & Learning Disorders.....	3
	OR				Total 56
FCS 236	Food Mgmt & Service.....	3			

Note: Students selecting this option must complete FCS 448/448L in Core requirements.

Design & Merchandising Option

Core Requirements	30	FCS 329d	Visual Display/Production	2	
FCS 135	Alteration & Construction Tech.....	3	FCS 324	Interior Environments	2
FCS 224	Housing and Interior Design.....	2	FCS 333	Home and Hospitality Technology	3
FCS 329a	Patternmaking.....	2	FCS 341	Textiles	4
FCS 329b	Historic Fashion & Costumes	2	ITE 237	CAD (2-D)	3
	OR		MKTG 231	Principles of Marketing.....	3
FCS 329c	Adaptive Fashions	2			Total 56

Hospitality Management Option

Core Requirements	30	FCS 329d	Visual Display/Production	2	
ACTG 241	Principles of Accounting I.....	3	FCS 333	Home and Hospitality Technology	3
BA 337	Business Law		MGMT 230	Principles of Management	3
FCS 235	Food Production	3	MKTG 335	Entre?Business Start-Up	3
FCS 236	Food Management and Service.....	3	MGMT 430	Human Resource Management.....	3
					Total 56

Human Services Option

Core Requirements	30	FCS 437	Family Strengths	3	
CTE 431	Intro to Special Needs Prog in CTE	3	HPER 431	Community & Environment Health.....	3
FCS 234	Human Services	3	LS 236	Family Law	3
FCS 335	Families in Society	3	PSYC 131	General Psychology	3
FCS 434	Sem in Current Issues in Human Ser.....	2	PSYC 334	Developmental Psychology.....	3
					Total 56

Lifespan Wellness Option

Core Requirements	30	HPER 216	Weight Training.....	1	
FCS 235	Food Production	3	HPER 232 & 232L	Physiological Kinesiology & Lab	3
FCS 236	Food Management and Service.....	3	HPER 233	Personal Health & Wellness.....	3
FCS 417	Wellness Across the Lifespan	3	HPER 236	Health Topics	2
HPER 124 & 124L	Anatomical Kinesiology & Lab.....	2	PSYC 233	Psychology of Addiction.....	3
HPER 134	Athletic Training	1		Total	54

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN FAMILY AND CONSUMER SCIENCES (7-12):

A student must complete the General Studies requirements and Professional Education requirements in addition to the following field endorsement courses:

CTE 431	Intro to Special Needs Prog in CTE	3	FCS 324	Interior Environments	2
CTE 434	Prin & Philosophy of CTE.....	3	FCS 331	Family Systems Management.....	3
FCS 122	Perspectives in Family & Con. Sci	2	FCS 332	Family Studies.....	3
FCS 123	Principles of Apparel.....	2	FCS 333	Home & Hospitality Technology	3
FCS 135	Alteration & Construction Tech.....	3	FCS 337	Nutrition	3
FCS 139	Child Growth and Development	3	FCS 341	Textiles	4
FCS 224	Housing and Interior Design.....	2	FCS 421	Organization & Admin of FCS	2
FCS 235	Food Production	3	FCS 422	Professional Career Development.....	2
FCS 236	Food Management & Service	3	FCS 424	Housing Issues	2
FCS 320	Aging and Death	3	FCS 435	Consumer Science.....	3
FCS 321b	Curriculum Development in FCS.....	2		Total	56

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, Professional Education, Middle Grades requirements and another Content Area of Specialization in Middle Grades.

FCS 139	Child Growth and Development	3	FCS 332	Family Studies.....	3
FCS 236	Food Mgmt and Service.....	3	FCS 337	Nutrition	3
FCS 331	Family Systems Management	3	FCS 435	Consumer Science.....	3
				Total	18

SUPPLEMENTAL ENDORSEMENT IN FAMILY AND CONSUMER SCIENCES RELATED OCCUPATIONS (7-12):

In addition to the FCS field endorsement, the following course work and experience are required.

1000 hours verified, paid work experience in FCS related occupational areas

OR

CTE 390 or Internship

CTE 438 Coord in Occupational Trng Program.....

The Degree of Bachelor of Science in Education with an EARLY CHILDHOOD EDUCATION UNIFIED 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 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		Total	13
EDUC 320	Elem/MS Obs & Participation	2			

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	Early Childhood Practicum.....4
EDUC 232	Sci, Math & Soc Stu for Early Child.....3	SPED 231	Survey & Effects of M/M Disability .....3
EDUC 233	Lit & Language Arts for Early Child.....3	SPED 232	Interpersonal Communication Skills
EDUC 321	Teach Elem/MS Math .....2		OR
FCS 139	Child Growth and Development .....3	FCS 239	Partners in Early Child Educ .....3
FCS 237	Guidance Tech Human Relations	SPED 316	Micro Teaching in Preschool .....1
	OR	SPED 332	Language & Learning Disorders.....3
SPED 331	Behavior Interventions .....3	SPED 337	Program Dev, Implem, & Mgmt.....3
FCS 238	Prenatal & Infant Development .....3	SPED 416	Clinical Exp – Except Child .....1
FCS 321a	Curriculum Development.....2	SPED 438	Consultation/Collaboration .....3
FCS 423	Program Management .....3		Total 46

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	Child Growth and Development .....3	FCS 331	Family Systems Management .....3
FCS 237	Guidance Tech in Human Relations.....3	FCS 332	Family Studies.....3
FCS 238	Prenatal & Infant Development .....3	FCS 437	Family Strengths .....3
FCS 320	Aging and Death .....3		Total 12

Nutrition and Wellness:

FCS 235	Food Production .....3	FCS 333	Home & Hospitality Technology .....3
FCS 236	Food Management & Service .....3	FCS 337	Nutrition .....3
FCS 331	Family Systems Management .....3	FCS 417	Wellness Across the Lifespan .....3
			Total 18

Textiles and Fashion:

FCS 123	Principles of Fashion.....2	FCS 329c	Adaptive Fashions .....2
FCS 135	Alteration & Construction Tech.....3	FCS 329d	Visual Display/Production .....2
FCS 329a	Patternmaking.....2	FCS 341	Textiles .....4
FCS 329b	Historic Fashion & Costumes .....2	MKTG 231	Principles of Marketing.....3
			Total 20

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 331	Family Systems Management .....3	FCS 335	Families in Society.....3
FCS 332	Family Studies.....3	FCS 437	Family Strengths .....3
			Total 12

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

FCS 135	Alteration & Construction Tech.....3	FCS 329d	Visual Display/Production .....2
FCS 329b	Historic Fashion & Costumes .....2	FCS 341	Textiles .....4
FCS 329c	Adaptive Fashions .....2		Total 13

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

FCS 235	Food Production.....3	FCS 333	Home & Hospitality Technology .....3
FCS 236	Food Management & Service .....3	MKTG 335	Entre?Business Start-Up .....3
			Total 12

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

FCS 139	Child Growth and Development .....3	FCS 238	Prenatal & Infant Development .....3
FCS 237	Guidance Tech in Human Relations.....3	FCS 239	Partnerships 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 235	Food Production.....3	FCS 417	Wellness Across the Lifespan .....3
FCS 236	Food Management & Service .....3	HPER 233	Personal Health & Wellness.....3
FCS 337	Nutrition .....3		Total 15

GEOGRAPHY

Student Learning Outcomes

- Geography minors will demonstrate in writing an ability to recognize and describe major concepts, language, and techniques of a general nature used by geographers and articulate the geographical relationships with other areas of study.
- Students will be able demonstrate knowledge of the major human behavioral and physical processes that contribute to or result from spatial arrangement of phenomena on the earth's surface. Students will be able to articulate this knowledge base.
- Students will demonstrate in written exercises an ability to acquire, locate, and assess geographic information from multiple sources including traditional primary and secondary sources, library collections, the use of the Internet and electronic data, and on-site observation and collection of data.
- Students will demonstrate in writing an ability to evaluate critically, in ways relevant to social science research and/or teaching, basic geographic tools and techniques including theories, statistical analysis, map interpretation, aerial photography interpretation and digital spectral image analysis, and geographic information systems and the application of same.
- Students will synthesize skills and graphic techniques and prepare research reports that describe, analyze, and articulate geographic distributions and processes of people and physical phenomena.

MINOR in Geography

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

GEOG 231	Physical Geog.....3	GEOG 336	Map Use & Geographic Info Systems.....3
GEOG 232	Cultural Geog .....3	Electives in GEOG	.....12
			Total 21

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 two fold:

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 ones 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 following program in addition to the General Studies requirements:

BA 331	Business Communications	3	*HPER 421	Phil & Psyc Found of Sport	2
HPER 102	Riflery/Skeet & Trap Shooting	1	HPER 422	Introduction to Adapted PE.....	3
HPER 114	Canoeing/Casting & Angling	2	*HPER 436	Outdoor Education	3
HPER 203	Orienteering & Backpacking	1	*HPER 437	Sport Law	3
*HPER 217	Red Cross Lifeguard Training.....	1	HPER 440	Prevention & Care of Athletic Injuries	3
HPER 220	Theory & Principles of Coaching	2	HPER 490a & b	Internship.....	6
HPER 221	Camp Counseling	2	MGMT 230	Principles of Management	3
HPER 226	Safety & First Aid	2	MIS 332	Decision Support for Managers	3
HPER 234	Introduction to Recreation	3	*Electives in Coaching (321, 322, 323, 423, 424, 425, 426).....	6	
*HPER 314	Red Cross Water Safety Instruction	1			
*HPER 333	Leadership in Recreation	3			
HPER 335	Org & Admin of HPER & Athletics	3			
					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 and Professional Education Requirements for a Secondary Endorsement.

FCS 337	Nutrition	3	HPER 325	Teaching Individual & Dual Sports	2
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 Rhythmics.....	2
	OR		*HPER 428	Curriculum in Health Education	2
*HPER 314	Red Cross Water Safety Instruction	1	HPER 429	Basic Movement Educ for Children	2
HPER 226	Safety & First Aid	2	HPER 431	Community & Environmental Health.....	3
*HPER 232 & 232L	Phys Kinesiology & Lab	3	HPER 432	Tests & Measurements in PE.....	3
HPER 236	Health Topics.....	3	HPER 435	Curriculum Planning in PE	3
HPER 312	Apparatus	1	*HPER 439 & 439L	Biomechanics of Sports & Lab	3
HPER 313	Tumbling	1	PSYC 131	General Psychology	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 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 and Professional Education Requirements.

HPER 122	Foundations of Health & PE.....2	HPER 313	Tumbling .....1
*HPER 124 & 124L	Anatomical Kinesiology & Lab....2	HPER 325	Teaching Individual & Dual Sports .....2
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 422	Intro to Adapted PE.....3
	OR	HPER 427	Elementary Rhythmics.....2
*HPER 314	Red Cross Water Safety Inst .....1	HPER 432	Tests & Measurements in PE.....3
HPER 226	Safety & First Aid .....2	HPER 435	Curriculum Planning in PE.....3
*HPER 232 & 232L	Phys Kinesiology & Lab .....3	*HPER 439 & 439L	Biomechanics of Sports & Lab .....3
HPER 312	Apparatus .....1		Total 33

*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 and Professional Education requirements.

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	SOC 333	Marriage & Family
*HPER 232 & 232L	Phys Kinesiology & Lab .....3		OR
HPER 236	Health Topics.....3	FCS 332	Family Studies.....3
			Total 33

*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, and General Studies 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.....1
			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, and General Studies requirements.

HPER 220	Theory & Principles of Coaching	2	*HPER 437	Sport Law	3	
HPER 226	Safety & First Aid	2	HPER 440	Prevention & Care of Athletic Injuries	3	
HPER 335	Org & Admin of HPER & Athletics	3	HPER 490	Internship	2	
*HPER 421	Phil & Psyc Foundation of Sport	2	Electives in Coaching (HPER 321, 322, 323, 423, 424, 425, 426).....		6	
					Total	23

*Requires a Prerequisite

MINORS in Health, Physical Education, and Recreation

Fitness and Exercise: Students in Kinesiology may not take this minor

FCS 337	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	3	
					Total	20

*Requires a Prerequisite

Leisure Services: Students in Sports and Recreation Management may not take this minor

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 Education	3	
					Total	19

*Requires a Prerequisite

Sports Leadership: Students in Sports and Recreation Management may not take this minor

HPER 220	Theory & Principles of Coaching	2	HPER 440	Prevention & Care of Athletic Injuries	3	
HPER 226	Safety & First Aid	2	HPER 490	Internship	2	
HPER 335	Org & Admin of HPER & Athletics	3	Electives in Coaching (HPER 321, 322, 323, 423, 424, 425, 426).....		4	
*HPER 421	Phil & Psyc Foundation of Sport	2				
*HPER 437	Sport Law	3	Total			21

*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, 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 320 Asian Cultural Realm.....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 and Professional Education requirements. HIST 231 and HIST 232 must be taken to satisfy the General Studies History requirements, in addition to the 39 hours listed below.

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	Required supporting work in other
HIST 320 Asian Cultural Realm.....3	Social Science fields* <u>6</u>
Total 39	

*Requires 6 hours in one or more other social science area, including anthropology/sociology, economics, geography, political science and/or psychology.

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 <u>9</u>
HIST 233 Western Civilization I.....3	Total 21

HONORS PROGRAM

The Honors Program is an enriched interdisciplinary program for academically talented students motivated by intellectual curiosity. Joining a college-wide community of scholars, Honors students encounter diverse opinions that convey knowledge about ourselves, our world, and our place in it through coursework, individual research, seminar participation, and an active engagement in the process of self-discovery. Honors students also have the opportunity to interact socially with faculty and one another outside of the classroom through fieldtrips and other functions, Honors Week activities, the Honors Banquet, and in sharing their senior thesis during colloquia presented at the each of each spring semester. Students in the program may live in Edna Hall, the newly renovated Honors dormitory.

Student Learning Outcomes

Students who successfully complete the program will:

- Participate in the process of discovery by developing abilities to gain information and knowledge independently through research and scholarship, to reason critically, and to analyze and solve problems objectively and think creatively;
- Integrate and establish meaningful relationships between disciplines and bodies of knowledge;
- Develop a level of maturity and proficiency in a selected field of knowledge;
- Cultivate a basic awareness of how they share the planet with others and increase their understanding of their individual responsibility in a global world;
- Acquire basic knowledge of our social environment and an enhanced knowledge, understanding, and appreciation for the diverse cultures and societies in the world;
- Acquire enhanced knowledge of the humanities and the arts; and
- Understand their personal values and the values of others and the ethical and moral implications of that knowledge.

High school seniors who have an ACT of 24 or above and rank in the top 25% of their high school graduating class may apply for admission to the Honors Program. Transfer students and currently enrolled Chadron State College students who have a grade point average of 3.5 or above may also apply. The admission process includes completion of an application, three letters of recommendation from individuals familiar with the student's academic ability, and an essay on a topic selected by the Honors Committee. Application forms are available from the Director of the Honors Program in the School of Arts and Sciences. Students completing all 16 hours of the program will receive special graduation recognition.

PROGRAM REQUIREMENTS

	Fall	Spring
Year 1	HONS 101 Human Nature (3 cr. hrs.)	HONS 200 Seminar (3 cr. hrs.)
Year 2	HONS 202 Human Society (3 cr. hrs.)	Topics vary each spring
Year 3	HONS 301 Human Knowledge (3 cr. hrs.)	Enroll once
Year 4	Select advisor and thesis topic	HONS 401 Thesis & Colloquium (3 cr. hrs.)

So that students may control and choose the kind of Honors education that they desire, and to enable continuing and transfer students to enter and successfully complete the program, we offer the following levels of Honors achievement, to be reflected on the graduate's diploma and transcripts:

- 15 hours of Honors course work (with passing thesis): Honors Scholar with High Distinction
- 12 hours of Honors coursework (with passing thesis): Honors Scholar with Distinction
- 9 hours of Honors coursework (with passing thesis): Honors Scholar

HUMANITIES

MINOR in Humanities

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

HUM 331	Popular Culture	3	HUM 335	Comparative Religion	3
HUM 333	Exploration in the Humanities	3	HUM 432	World Mythology	3
HUM 334	Introduction to Film	3	PHIL 231	Intro to Philosophy.....	3
HUM 334L	Introduction to Film Screening Lab.....	1	Total 19		

INDUSTRIAL TECHNOLOGY EDUCATION

Mission

The mission of the industrial technology academic program is to provide students with the educational preparation to enter careers in industrial management and industrial technology education. Industrial technology addresses the principles of automation, quality assurance, communications, construction, manufacturing, energy, power and transportation. The application of systems and processes associated with manufacturing, construction and education, as they apply to the service region of the institution, is a major component of the program.

Student Learning Outcomes

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

1. Demonstrate ability in the application of basic management principles as related to an industrial or educational environment within the regional and global economies.
2. Apply technical knowledge in manufacturing, energy, power and transportation, communications and construction in problem situations relevant to their study of manufacturing, construction or industrial education.
3. Demonstrate behaviors and attitudes consistent to team building leadership strategies within the regional and global economies.
4. Develop a skill set of industrial, construction and educational processes as they apply to the regional as well as global economies.
5. Demonstrate strong interpersonal and communication skills that are required for successful functionality in a manufacturing, construction or educational environment.

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN INDUSTRIAL MANAGEMENT:

A student must complete the following program in addition to the General Studies Requirements. Internships are recommended between the Junior and Senior year.

ACTG 241	Accounting Principles I.....	3	ITE 341	Plant & Lab Design and Management.....	3
BA 337	Business Law.....	3	ITE 345e	Industrial Electronics	3
ITE 230	Electrical and Electronic Systems.....	3	ITE 345k	Industrial and Commercial Wiring	3
ITE 232	Manufacturing Processes and Systems	3	ITE 432	Quality Assurance/Quality Control.....	3
ITE 235	Construction Processes and Systems	3	ITE 433	Occupational Safety	3
ITE 237	CAD (2-D)	3	MGMT 230	Principles of Management	3
ITE 239	Energy, Power & Trans: Process & Sys.....	3	MIS 332	Decision Support for Managers	3
ITE 339	Hydraulics and Pneumatics.....	3	Total 45		

Students wishing to focus on Industrial Management in a manufacturing setting should take the following additional courses to complete their core major:

ITE 337	CADD (3-D).....	3	ITE 437	Kinematics and Machine Design	3
ITE 434	Automated Manufacturing	3	ITE 439	Energy Generation & Sustainability	3
					Total 57

Students wishing to focus on Industrial Management in a construction setting should take the following additional courses to complete their core major:

ITE 335	Construction Management	3	ITE 360c	Architectural Design	3	
ITE 360b	Residential and Commercial Planning	3	ITE 435	Construction Estimation and Planning	3	
					Total	57

Note: Industrial Management students are strongly recommended to complete a Business Minor in addition to their Industrial Technology Major.

The Degree of Bachelor of Science In Education with a FIELD ENDORSEMENT IN INDUSTRIAL TECHNOLOGY EDUCATION (7-12): A student must complete the General Studies

Requirements, Professional Education Requirements, and the following program:

ART 229	Introduction to Graphic Design.....	3	ITE 337	CADD (3-D)	3	
CTE 434	Principles and Philosophy of CTE.....	3	ITE 339	Hydraulics and Pneumatics.....	3	
CTE 438	Intro to Special Needs Programs in CTE		ITE 341	Plant & Lab Design and Management.....	3	
		OR	ITE 345e	Industrial Electronics	3	
CTE 431	Coordination in Occupational Training	3	ITE 345k	Industrial and Commercial Wiring	3	
ITE 230	Electrical and Electronic Systems.....	3	ITE 432	Quality Assurance/Quality Control.....	3	
ITE 232	Manufacturing Processes and Systems	3	ITE 433	Occupational Safety	3	
ITE 235	Construction Processes and Systems	3	ITE 434	Automated Manufacturing	3	
ITE 237	CAD (2-D)	3	ITE 439	Energy Generation and Sustainability	3	
ITE 239	Energy, Power & Tran: Proc & Sys	3			Total	51

The Degree of Bachelor of Science in Education with a FIELD ENDORSEMENT IN TRADE AND INDUSTRIAL EDUCATION (9-12): A student must complete the General Studies and Professional

Studies Requirements, in addition to the following program:

ART 229	Introduction to Graphic Design.....	3	ITE 339	Hydraulics and Pneumatics.....	3	
CTE 434	Principles and Philosophy of CTE.....	3	ITE 341	Plant & Lab Design and Management.....	3	
ITE 230	Electrical and Electronic Systems.....	3	ITE 432	Quality Assurance/Quality Control.....	3	
ITE 232	Manufacturing Processes and Systems	3	ITE 433	Occupational Safety	3	
ITE 235	Construction Processes and Systems	3	ITE 431	Intro to Special Needs Prog in CTE		
ITE 237	CAD (2-D)	3			OR	
ITE 239	Energy, Power & Tran: Proc & Sys	3	CTE 438	Coordination in Occupational Training	3	
ITE 337	CADD (3-D).....	3	ITE	Electives in an area of specialization.....	12	
					Total	51

One year (2,000 hours) paid employment in area of specialization required for teaching certification.

The Degree of Bachelor of Science in Education with a MIDDLE GRADES CONTENT AREA OF SPECIALIZATION IN INDUSTRIAL TECHNOLOGY EDUCATION (4-9): A student must

complete the General Studies requirements, Professional Education Middle Grades requirements, one other Content Area of Specialization in the Middle Grades requirement, in addition to the program listed below:

ITE 230	Electrical and Electronic Systems.....	3	ITE 237	CAD (2-D)	3	
ITE 232	Manufacturing Processes and Systems	3	ITE 341	Plant and Lab Design and Management.....	3	
ITE 235	Construction Processes and Systems	3	ITE 433	Occupational Safety	3	
					Total	18

SUPPLEMENTAL ENDORSEMENT IN DRIVER EDUCATION (7-12): A student must complete the following program in addition to the General Studies and Professional Education requirements. This endorsement requires applicant to hold or concurrently earn a subject or field endorsement in another area. The student must also hold a valid Nebraska drivers license and have a driving record free from repeated chargeable accidents and moving traffic violations.

CJ 435	Drugs, Alcohol and Crime	3	ITE 433	Occupational Safety	3	
ITE 336	Traffic Safety I	3	ITE 436	Traffic Safety II.....	3	
					Total	12

MINORS in Industry Education

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

ITE 237	CAD (2-D)	3	ITE 360h	Civil Drafting	3
ITE 337	CADD (3-D).....	3	ITE 360l	Landscape Design	3
ITE 360b	Residential and Commercial Planning.....	3	ITE 437	Kinematics and Machine Design	3
ITE 360c	Architectural Design	3		Total	21

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

ITE 230	Electrical and Electronic Systems.....	3	ITE 345k	Industrial and Commercial Wiring	3
ITE 239	Energy, Power & Trans: Proc & Sys.....	3	ITE 439	Energy Generation and Sustainability	3
ITE 345d	Digital Electronics.....	3	IST 431	Computer Networks	3
ITE 345e	Industrial Electronics	3		Total	21

Cisco Certified Networking Professional (CCNP) Certification: Students wishing to pursue Cisco Certified Network Professional (CCNP) Certification should take the following sequence of courses as a part of their baccalaureate study at Chadron State College: IST 201, Cisco Advanced Routing; IST 302, Cisco Advanced Multilayer; IST 301, Cisco Advanced Remote Access; and IST 402 Cisco Internetworking Troubleshooting.

ACADEMIC CERTIFICATES in Industrial Education

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

ITE 230	Electrical and Electronic Systems.....	3	ITE 345k	Industrial and Commercial Wiring	3
ITE 239	Energy, Power & Trans: Proc & Sys.....	3	ITE 439	Energy Generation and Sustainability	3
				Total	12

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

ITE 232	Manufacturing Processes and Systems	3	ITE 335	Construction Management	3
ITE 235	Construction Processes and Systems	3	ITE 433	Occupational Safety	3
				Total	12

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

BA 336	Business & Economics Statistics		ITE 432	Quality Assurance/Quality Control.....	3
ITE 335	Construction Management	3	ITE 434	Automated Manufacturing	3
				Total	12

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

AGRI 339 & 339L	Rangeland Plant Identification & Lab.	3	ITE 237	CAD (2-D)	3
ITE 235	Construction Processes & Systems.....	3	ITE 360i	Landscape Design	3
				Total	12

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

ITE 235	Construction Processes & Systems.....	3	ITE 360b	Residential & Commercial Planning	3
ITE 335	Construction Management	3	ITE 435	Construction Estimation & Planning	3
				Total	12

INFORMATION SCIENCE AND TECHNOLOGY

Student Learning Outcomes

- Develop the ability to communicate effectively.
- Develop appropriate information systems and apply them effectively.
- Understand the principles of information systems and apply them effectively.
- Follow social, ethical, and professional standards.
- Work effectively and professionally.

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN INFORMATION MANAGEMENT SYSTEMS: A student must complete the following program in addition to the General Studies requirements. MATH 232 or MATH 239 must be taken to satisfy the General Studies Mathematics requirement.

Core Requirements

ART 229	Intro to Graphic Design.....3	IST 435	Capstone Seminar .....3
IST 110	Introductory Seminar .....3	MIS 130	Principles of Information Sys .....3
IST 133	Programming Concepts I .....3	MIS 235	Business Programming .....3
IST 134	Programming Concepts II .....3	MIS 331	Database Management .....3
IST 230	Web Page Development... .....3	MIS 332	Decision Support for Managers .....3
IST 251	Operating Systems .....3	MIS 337	E-Commerce .....3
IST 340	Human-Computer Interaction .....3	MIS 431	Systems Analysis and Design .....3
IST 431	Computer Networks .....3	*Focus Area	.....12
			Total 57

Suggested General Studies electives: Eng 137, Phil 333.

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

Information Technology Management: BA 331, 337, MGMT 230, MIS 430

Internet Technology: IST 235, 334, 335, 433

Networking: IST 102, 202, 304, 305 (These four courses provide preparation for the Cisco CCNA Certification. Suggested electives: ITE 230 and ITE 345d - Electronics - 6 hours.)

MINOR in Internet Technology

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

IST 133	Programming Concepts I .....3	IST 340	Human-Computer Interaction .....3
IST 230	Web Page Development .....3	IST 433	Dynamic Web Page Development.....3
IST 235	Web Programming.....3	MIS 331	Database Management .....3
			Total 18

ACADEMIC CERTIFICATE in Information Managements Systems

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

Cisco Certified Network Associate (CCNA) Certification: Students wishing to pursue Cisco Certified Network Associate (CCNA) Certification should take the following sequence of courses as a part of their baccalaureate study at Chadron State College: IST 102, Cisco Networking Basics; IST 202, Cisco Routers and Router Basics; IST 304, Cisco Switching Basics and Intermediate Routing; and IST 305, Cisco WAN Technologies.

Cisco Certified Network Professional (CCNP) Certification: Students wishing to pursue Cisco Certified Network Professional (CCNP) Certification should take the following sequence of courses as a part of their baccalaureate study at Chadron State College: IST 201, Cisco Advanced Routing; IST 301, Cisco Advanced Remote Access; IST 302, Cisco Advanced Multilayer; and IST 402, Cisco Internetwork Troubleshooting.

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 as listed on page 30-31	47
Courses selected in consultation with academic advisor	
(a minimum of 45 hours must be 300 or 400 level courses)	78
	Total 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 in classroom instruction. The balance may be obtained through self-paced instruction, Prior Learning Credit Program, 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.
- Students must follow a plan of study preapproved by the student’s advisor and the Assistant Vice President for Extended Campus Programs.

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 sciences, 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. 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 12 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 requirements:

Core Requirements

CJ 231	Introduction to Criminal Justice.....3	CJ 441	Ethical Issues in CJ.....3
CJ 232	Police in America .....3	Law Enforcement Focus*.....6	
CJ 236	Introduction to Corrections .....3	Law Focus* .....6	
CJ 336	Multicultural Issues in CJ .....3	Juvenile Justice Focus* .....6	
CJ 337	Introduction to Law.....3	Corrections Focus* .....6	
CJ 339	Criminology .....3	Forensic Sciences 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 Sciences: 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 Sciences) 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 requirements.

Core Requirements

ACTG 241	Accounting Principles I.....3	LS 338	Legal Research & Writing II.....3
IST 130	Introduction to Computer Applications.....3	LS 390	Internship .....3
LS 231	Introduction to Legal Studies.....3	LS 436	Ethics/Professional Responsibility.....3
LS 232	Litigation/Civil Procedures .....3	Commercial Focus*	.....9
LS 238	Legal Research & Writing I.....3	Litigation Focus*	.....9
LS 337	Introduction to Law.....3	Public Law Focus*	.....9
			Total 54

***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	Police in America .....3	CJ 337	Introduction to Law.....3
Plus three hours from three of the focus areas (Law Enforcement, Law, Corrections, Juvenile Justice, or Forensic Sciences) 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

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 requirements and a major or minor in another program of study. Nebraska Community Colleges Library Technology Assistant (LTA) classes are accepted as introductory classes.

IST 130	Intro to Computer Applications	LMS 434	Electronic Information Technology
IST 230	Web Page Development	LMS 439	Procedures & Practice in LM
LMS 332	Organization of Resources	MIS 130	Principles of Information Systems.....
LMS 333	Library Administration.....	MIS 331	Database Management
LMS 334	Information Resources	MIS 431	Systems Analysis & Design.....
LMS 335	Selection & Assessment of Resources		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, and Professional Education requirements:

ENG 235	Children's Literature	LMS 335	Selection & Assessment of Resources.....
ENG 438	Adolescent Literature	LMS 434	Electronic Information Technology
IST 230	Web Page Development	LMS 439	Procedures & Practice in LM
LMS 332	Organization of Resources	MIS 130	Principles of Information Systems.....
LMS 333	Library Administration.....		Total 30
LMS 334	Information Resources		

*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.

IST 130	Intro to Computer Applications	LMS 434	Electronic Information Technology
IST 230	Web Page Development	MIS 130	Principles of Information Systems.....
LMS 332	Organization of Resources	MIS 331	Database Management
LMS 334	Information Resources		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.

IS 230	Web Page Development	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	LMS 439	Procedures & Practice in Library Media	3
LMS 334	Information Resources	3			Total 21

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 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 and information science and technology.

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 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, the 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 335	Math for the Elem. Teacher II.....	3
MATH 232	Applied Statistics		MATH 401	Adv. Math Education Perspectives	3
	OR			Total	18
MATH 331	Probability and Statistics.....	3			

MINORS in Mathematics

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			

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

MATH 138	Applied Calculus		MATH 337	Elem. Linear Algebra	3
	OR		MATH 338	Operations Research	3
MATH 151	Calculus I	3-5	MATH 433	Statistical Methods and Data Analysis	3
MATH 331	Probability & Statistics	3	MATH 435	Sampling Techniques	3
				Total	18-20

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 or Information Science and Technology. 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, contact the following individuals:

SFC Carl K. Dehling
Recruiting and Retention NCO
308-432-6174

MAJ Jon Hanson
Professor of Military Science
605-394-6038

Faculty: Professor Hanson, Chair, Assistant Professors: Reudebusch, Tusler, Dringman, Bryan

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 Leadership2

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 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.
- Possess a fundamental knowledge of museum administration, education, and exhibit design principals.

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 can not 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

The primary goal of the Chadron State College Music Department is to prepare musicians for careers in education or the music business. The Music Department offers an undergraduate program designed to prepare individuals for a variety of different career areas in both the public and the private sectors through the following degree programs: Bachelor of Science in Education - Music Education K-12, Bachelor of Science in Education – Vocal Music K-8, Bachelor of Arts in Performance or Music Business (instrumental/vocal or piano studio operation emphasis). Students majoring in music are expected to demonstrate proficiency in music theory, music history, music performance, music pedagogy, conducting, and basic piano skills. Performance opportunities in large ensembles and in small ensembles provide students with hands-on experience necessary for the music profession.

The development of teaching strategies, critical thinking, and communication skills are an important part in the study of music at Chadron State College. The students are given the opportunity to develop networking and marketing skills as performers and as educators.

The Music Department provides musical leadership to the campus through general studies and education courses and to the service region as the 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 a major performing ensemble each semester.
2. Students in all degree programs (B.S.E. and B.A.) are required to pass a Piano Proficiency Examination before graduation. Students in the Bachelor of Science in Education programs must complete this requirement before they can be approved by the Department of Music to enter the Professional Year.
3. Students in all degree programs must audition to be admitted to candidacy at the end of one year of study.
4. Students in all degree programs (except B.S.E. Vocal Music K-8) are required to present a qualifying solo recital for the music faculty at the end of the sophomore year, or at the end of the first semester in the case of an upper division transfer student. A student must have a cumulative GPA of 3.00 on his/her major instrument voice to present the qualifying exam. This requirement must be met before a student is eligible to enroll for upper division credit in applied music.

5. Students majoring in music performance will present a public half recital during the junior year as well as a public full recital during the senior year. The junior recital cannot be given until the student has completed at least four semesters as a music major at Chadron State College. The same GPA requirements apply for the sophomore qualifying exam and the senior recital.
6. Each senior music major (except B.S.E. Vocal Music K-8 Endorsement) must present a solo recital during the senior year. A student must have a cumulative GPA of 3.00 on his/her major instrument-voice to present the senior recital. At least three weeks prior to the scheduled recital date, the student will present a prerecital hearing for the music faculty. Upon the recommendation of the faculty following the hearing, the student will present a public recital or reschedule another hearing for the following semester.
7. All students pursuing a B.S.E. with a Subject Endorsement Vocal Music (K-8) or a Field Endorsement in Music (K-12) must take EDUC 431K Special Methods in Music.

The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN MUSIC: A student must complete the core requirements, an option, and the General Studies requirements. Students must obtain a cumulative average of 2.50 in all CSC music courses in order to receive departmental approval for graduation.

Core Requirements

MKTG 231 Principles of Marketing.....3	MUS 315 Private Instruction.....3
MUS 101 Student Recital.....0	MUS 321 Choral Conducting
MUS 115 Private Instruction.....4	OR
MUS 131/131L Theory I and Lab.....4	MUS 322 Instrumental Conducting.....2
MUS 132/132L Theory II and Lab.....4	MUS 415 Senior Recital.....1
MUS 231/231L Theory III and Lab.....4	MUS 428 Music History III.....3
	Total 28

Music Performance Option

Core Requirement.....28	MUS 232/232L Theory IV and Lab.....4
MUS 102/302 Wind Ensemble	MUS 312 Music Literature.....2
OR	MUS 315 Private Instruction (addition to core).....3
MUS 103/303 Choir.....8	MUS 327 Junior Recital.....1
MUS 105/305, 104/304, 106/306, 107/307, 108/308, 109/309, 124/324 or 125/325 Chamber Ensembles.....4	MUS 426 Music History I.....2
MUS 117 Piano Class I.....1*	MUS 427 Music History II.....3
MUS 118 Piano Class II.....1*	Total 57

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

Music Business Option

Core Requirement.....28	MUS 335 Recording Techniques.....2
MKTG 331 Sales Techniques.....3	MUS 336 Jazz Improvisation I.....2**
MKTG 336 Advertising	MUS 390 Internship.....1***
OR	MUS 413 Songwriting/Arr & MIDI I.....1***
MKTG 338 Buyer Behavior	MUS 419 Music Business.....3
OR	MUS 420 Music Products Seminar.....3
MKTG 433 Retailing	Emphasis Instrumental/Vocal or Piano Studio Oper.....11
OR	.....Total 57
MKTG 437 Services Marketing and Management.....3	

Instrumental/Vocal Emphasis: MUS 102/302 or MUS 103/303 (6 cr.); MUS 117; MUS 118; MIS 332

Piano Studio Operations Emphasis: MUS 102/302 or MUS 103/303 (4 cr.); MUS 110/310 (2 cr.); MUS 317; MUS 319A and B; MUS 423, MUS 424

The following courses are recommended as supportive electives for the Music Business Option: MUS 335, 337, 414, 436

NOTE: *Students proficient in piano at time of enrollment may test out of the requirement. Sophomore qualifying and senior recital requirements are required. Non-classical literature may be added providing a satisfactory repertoire of classical literature can be performed at an acceptable level.

**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 and Professional Education requirements.

MUS 101	Student Recital	0	MUS 315	Private Instruction	2
MUS 102/302	Wind Ensemble		MUS 316	Vocal Pedagogy.....	1
	OR		MUS 320	Brass Pedagogy.....	1
MUS 103/303	Choir	6*	MUS 321	Choral Conducting	2
MUS 115	Private Instruction	4	MUS 322	Instrumental Conducting.....	2
MUS 117	Piano Class I.....	1**	MUS 323	Woodwind Pedagogy	1
MUS 118	Piano Class II	1**	MUS 331	Teach Mus/Elem Schs.....	3
MUS 131 & 131L	Theory I & Lab	4	MUS 332	Teach Mus/Sec. Schs	3
MUS 132 & 132L	Theory II & Lab	4	MUS 412	Tech. of Marching Band	1
MUS 231 & 231L	Theory III & Lab.....	4	MUS 415	Senior Recital	1
MUS 232 & 232L	Theory IV & Lab.....	4	MUS 426	Music History I.....	2
MUS 312	Music Literature	2	MUS 427	Music History II.....	3
MUS 313	String Pedagogy	1	MUS 428	Music History III.....	3
MUS 314	Percussion Pedagogy.....	1		Total	57

*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 requirements, the Professional Education requirements, and EDUC 431k, Special Methods in Music.

MUS 101	Student Recital	0	MUS 216	Guitar Class.....	1
MUS 103/303	Choir	4	MUS 316	Vocal Pedagogy.....	1
MUS 115	Private Voice.....	4	MUS 321	Choral Conducting	2
MUS 117	Piano Class I.....	1*	MUS 331	Teach Music in Elem. Schools.....	3
MUS 118	Piano Class II	1*	MUS 427	Music History II.....	3
MUS 131/131L	Theory I & Lab.....	4	MUS 428	Music History III.....	3
MUS 132/132L	Theory II & Lab	4		Total	31

*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	Music Performance*	4
MUS 115	Private Instruction	3	Music Electives**	7
MUS 131/131L	Theory I & Lab.....	4		
MUS 428	Music History III.....	3		Total 21

*Chosen from the following performance ensembles: MUS 102, 103, 104(01), 105, 106, 108, 109, 124/324, 125/325, 126/326

**Chosen from the following courses: MUS 117, 118, 215, 216, 312, 315r, 319A, 319B, 321, 322, 336, 413, 419, 420, 423, 424, 426, 427

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.

MUS 101	Student Recital	0	MUS 316	Vocal Pedagogy	1
MUS 103/303	Choir	4	MUS 331	Teaching Music in the Elem Schools	3
MUS 117	Piano Class I.....	1*	MUS 427	Music History II.....	3
MUS 118	Piano Class II	1*	MUS 428	Music History III.....	3
MUS 131 & 131L	Theory I Lab.....	4			Total 20

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

Private Lessons

Private instruction is offered in every instrument and voice. A minimum of five hours of practice per week is required for each credit earned. A performance examination (Jury) in each private lesson course is required at the end of each semester. All private lessons must be taken for credit. Students must pass a sophomore qualifying examination before registering for MUS 315. Students should enroll in MUS 415 during the semester of their senior recital.

PHYSICAL SCIENCES

The Degree of Bachelor of Science with a COMPREHENSIVE MAJOR IN PHYSICAL SCIENCES: A student must complete the core requirements, an option, 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, GEOS or PHYS 110	Careers in Science	1	CHEM, GEOS, PHYS 410	Capstone III: Senior Research Thesis.....	1
CHEM 131 & 131L	College Chemistry I & Lab.....	4	GEOS 231& 23L	Physical Geology & Lab	4
CHEM, GEOS, PHYS 310	Capstone I:		GEOS 322	Introduction to GIS	3
Research Seminar		1	PHYS 151& 151L	College Physics & Lab.....	5
CHEM 332 & 332L	Analytical Instru & Lab.....	3	PHYS 370D	Scientific Computer Applications	3
CHEM, GEOS, PHYS 401	Capstone II:		Math elective chosen from 138, 151, or 232	3-5	
Senior Research		2			Total 30-32

Chemistry Option

Students pursuing this option must complete MATH 151 as the General Studies Mathematics requirement. Students must complete MATH 232 in core requirements above.

Core requirements.....	30	CHEM 234 & 234L Organic Chemistry II & Lab.....	4
CHEM 132 & 132L College Chemistry II & Lab.....	5	CHEM 341 & 341L Analytical Chemistry I & Lab.....	4
CHEM 233 & 233L Organic Chemistry I & Lab	4	*Upper division Chemistry electives.....	10
		Total	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, 435/435L, 444/444L.

Physics Option

Students pursuing this option must complete MATH 330 as the General Studies Mathematics requirement. Students must complete MATH 151 in core requirement above.

Core requirements.....	32	PHYS 454 Electricity & Magnetism.....	3
MATH 252 Calculus II	5	PHYS 464 Quantum Mechanics I.....	3
PHYS 152 & 152L College Physics II & Lab	5	PHYS 370a Modern Physics.....	3
PHYS 434 Mechanics.....	3	PHYS 471k Advanced Physics Lab.....	1
PHYS 444 Thermodynamics.....	3	Total	58

Geoscience Option

Students pursuing this option must complete MATH 151 as the General Studies Mathematics requirement. Students must complete MATH 232 in the core requirements above.

Core requirements	30-32	GEOS 439 & 439L Sedimentology & Strat & Lab	4
GEOS 234 & 234L History of Earth Systems & Lab	4	PHYS 334 Meteorology	3
GEOS 338 Rocks & Minerals	3	Field Camp (may be taken at another institution).....	5
GEOS 431 Geology of Water Resources.....	3	Upper division GEOS electives	3
GEOS 432 Structural Geology	3	Total	56-58

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN CHEMISTRY (7-12):

Students must complete the following program in addition to the Professional Education and 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.

BIOL 136 & 136L Biological Science & Lab	3	CHEM 341 & 341L Analytical Chemistry I & Lab.....	4
CHEM 131 & 131L College Chemistry I & Lab.....	4	CHEM 435 & 435L Biochemistry & Lab.....	4
CHEM 132 & 132L College Chemistry II & Lab.....	5	GEOS 231 & 231L Physical Geology & Lab.....	4
CHEM 231 & 231L Intro to Organic Chem & Lab.....	4	PHYS 151 & 151L College Physics I & Lab	5
CHEM 310 Capstone I: Research Seminar	1	Biology Electives	1
CHEM 320 Sup Study in Lab/Field Methods	1	Upper division Chemistry electives.....	7
		Total	43



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 and General Studies requirements. Students pursuing this endorsement must complete PHYS 435 as one of the General Studies Global and Social Awareness requirements.

BIOL 136 & 136L Biological Science & Lab	3	PHYS 151 & 151L College Physics I & Lab	
CHEM 140 & 140L General Chemistry & Lab	4	OR	
GEOS 137 Environmental Geology	3	PHYS 241 & 241L University Physics I & Lab	5
GEOS 231 & 231L Physical Geology & Lab	4	PHYS 333 & 333L Astronomy & Lab	3
GEOS 234 & 234L History of Earth Systems & Lab	4	PHYS 334 Meteorology	3
GEOS 310 Capstone I: Research Seminar	1	Biology Electives	3
GEOS 320 Sup Study in Lab & Field Methods	1	Geoscience Electives	3
GEOS 338 Rocks & Minerals	3		
GEOS 431 Geology of Water Resources	3		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 and General Studies requirements. Students pursuing this endorsement must complete MATH 232 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).

Core Requirements

BIOL 131 Fundamentals of Cell Biology	3	GEOS 234 & 234L History of Earth System & Lab	4
BIOL 138 & 138L General Botany & Lab	3	PHYS 151 & 151L College Physics I & Lab	5
BIOL 139 & 139L General Zoology & Lab	3	PHYS 152 & 152L College Physics I & Lab	5
CHEM 131 & 131L College Chem I and Lab	4	BIOL/CHEM/GEOS/PHYS 310 Capstone I	1
CHEM 132 & 132L College Chem II & Lab	5	BIOL/CHEM/GEOS/PHYS 320 Sup Study Lab Meth	1
GEOS 231 & 231L Physical Geology & Lab	4		Total 38

Select one concentration from below:

BIOLOGY

Core requirements	38	BIOL 341 & 341L Microbiology & Lab	3
BIOL 231 Anatomy & Physiology	3	BIOL 412 Biotechnology	3
BIOL 332 Genetics	3		Total 53
BIOL 336 & 336L General Ecology & Lab	3		

CHEMISTRY

Core requirements	38	CHEM 433 Environmental Chemistry	3
CHEM 231 & 231L Organic Chem & Lab	4	CHEM 435 & 435L Biochemistry & Lab	4
CHEM 341 & 341L Analytical Chem & Lab	4		Total 53

EARTH SCIENCE

Core requirements	38	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 54

PHYSICS

Core requirements	38	PHYS 370A & 370L Modern Physics & Lab	4
PHYS 333 & 333L Astronomy & Lab	3	Upper division PHYS electives	1
PHYS 334 Meteorology	3		Total 49

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 and General Studies requirements. Students pursuing this endorsement must take MATH 232 as their General Studies mathematics requirement and PHYS 435 as one of the General Studies Global and Social Awareness requirements.

BIOL 136 & 136L Biological Science & Lab	3	GEOS 338 Rocks & Minerals	3
CHEM 131 & 131L College Chemistry I & Lab.....	4	PHYS 110 Careers in Science.....	1
CHEM 231 & 231L Intro to Organic Chem & Lab.....	4	PHYS 151 & 151L College Physics I & Lab	5
CHEM 433 & 433L Environmental Chemistry		PHYS 333 & 333L Astronomy & Lab.....	3
OR		PHYS 334 Meteorology	3
CHEM 435 & 435L Biochemistry	4	Electives in Biology: BIOL 131, 138/138L or	
GEOS 137 Environmental Geology	3	139/139L.....	3
GEOS 231 & 231L Physical Geology & Lab	4		Total 44
GEOS 234 & 234L History of the Earth Sys & Lab.....	4		

The Degree of Bachelor of Science in Education with a SUBJECT ENDORSEMENT IN PHYSICS (7-12): Students must complete the following program in addition to the Professional Education and 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.

BIOL 136 & 136L Biological Science & Lab	3	PHYS 334 Meteorology	3
CHEM 140 & 140L General Chemistry & Lab	4	PHYS 370a Modern Physics.....	3
GEOS 231 & 231L Physical Geology & Lab	4	PHYS 370c Modern Physics Lab	1
PHYS 110 Careers in Science.....	1	PHYS 370d Scientific Computer Applications	3
PHYS 151 & 151L College Physics I & Lab.....	5	PHYS 471e Optics	1
PHYS 152 & 152L College Physics II & Lab	5	PHYS 471k Advanced Physics Lab.....	1
PHYS 310 Capstone I: Research Seminar	1	Elective in Biology	1
PHYS 333 & 333L Astronomy & Lab	3		Total 39

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, 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. 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 General Chemistry & Lab	4	Elective in Biol, Chem, Geoscience or Physics	1
GEOS 231 & 231L Physical Geology & Lab			Total 18
OR			
GEOS 234 & 234L History of Earth Systems & Lab.....	4		

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 General Chemistry & Lab	4	CHEM 435 & 435L Biochemistry & Lab.....	4
CHEM 231 & 231L Intro to Organic Chem & Lab.....	4	Upper division chemistry elective	4*
CHEM 332 & 332L Analytical Instrum & Lab.....	3		Total 19

*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 332/332L.

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 History of Earth Systems & Lab.....4	GEOS 432 Structural Geology .....3
GEOS 338 Rocks & Minerals .....3	GEOS 439 & 439L Sedimentology/Strat & Lab .....4
	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 152 & 152L College Physics II & Lab OR
PHYS 241 & 241L University Physics I & Lab .....5	PHYS 242 & 242L University Physics II & Lab.....5
	Upper Division Electives in Physics .....10
	Total 20

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 332 & 332L Analytical Instrumentation & Lab OR
BIOL 429 Aquatic Microbiology OR	AGRI 245 & 245L Prin of Soil Science & Lab.....4
CHEM 433 & 433L Environment Chem & Lab .....4	GEOS 231 & 231L Physical Geology & Lab .....4
	GEOS 322 Introduction to GIS .....3
	GEOS 431 Geology of Water Resources.....3
	Total 21

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, Geoscience, or Physics .....1
CHEM 140 & 140L General Chemistry & Lab .....4	
GEOS 231 & 231L Physical Geology & Lab .....4	Total 18

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:

GEOG 336 Map Use and GIS .....3	GEOS 322 Introduction to GIS .....2
GEOG 390 Internship in Geography (GIS emphasis) OR	IST 133 Programming Concepts I .....3
GEOG 400 Independent Study (GIS emphasis).....4	IST 134 Programming Concepts II.....3
GEOS 321 Introduction to GPS .....1	MIS 331 Database Management .....3
	Total 19

Water Resources Management: A student may be awarded a Certificate in Water Resources Management upon successful completion of Water Resources Management minor listed above.



POLITICAL SCIENCE

Student Learning Outcomes

- Students will demonstrate in writing and articulate verbally a basic understanding of the processes of politics and structure of government in the United States.
- Students will identify and evaluate key actors in the global environment, and analyze significant factors that contribute to national power.
- Students will demonstrate in writing an understanding of key historical ideas in political thought and articulate the influence those ideas have had on the evolution of political thought.
- Students will analyze and synthesize complex political relationships and schools of thought and articulate the results of their efforts in both written and verbal forms.
- Students will be able to elaborate upon, articulate, and actively demonstrate the basic knowledge and skills needed for responsible and active citizenship.

MINOR in Political Science

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

PS 231	American National Government	3	PS 420	American Political Thought
PS 332	International Relations			OR
	OR		PS 431	History of Political Thought
PS 341	Comparative Politics	3		Electives in Political Science*
				<u>12</u>
				Total 21

*GEOG 334, Political Geography, may be applied as an elective.

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 238	Introduction to Behavioral 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 432	Research Design in Psychology.....	3
PSYC 234	Cognitive Psychology.....	3	* Upper level electives.....		3
PSYC 238	Introduction to Behavioral Statistics.....	3			Total 21
PSYC 331	Social Psychology	3			
PSYC 332	Child Psychology				
	OR				
PSYC 336	Adolescent Psychology				
	OR				
PSYC 334	Developmental Psychology	3			

Organizational Psychology

PSYC 234	Cognitive Psychology.....	3	PSYC 434	Organizational Psychology	3
PSYC 238	Introduction to Behavioral 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		PSYC 437	Case Mgmt & Interviewing Model	
PSYC 334	Developmental Psychology			OR	
	OR		PSYC 439	Group Processes	3
PSYC 336	Adolescent Psychology	3			Total 21

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 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 320	Asian Cultural Realm.....3	Focus area in ECON, GEOG or PS, SOC, & ANTHR....9
HIST 331	Latin American History.....3	Additional SS electives, as below.....30
		Total 60

Nine (9) hours from one (1) of the following four (4) of the Focus Area:

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

Geography: GEOG 231, 232, and 3 hours of upper division electives

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

Sociology and Anthropology: ANTH 231, SOC 231, and 3 hours of upper division electives

Thirty (30) hours from among the remaining disciplines, excluding History and the focus area chosen above, with at least three (3) semester hours in each discipline listed below. BA 241, Quantitative Methods, is a prerequisite for additional courses in Economics.

Anthropology (231 recommended)	Political Science (231, upper division recommended)
Economics (130, 231 or 232 recommended)	Psychology (131, 231 recommended)
Geography (231, 232 recommended)	Sociology (231 recommended)

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 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 1998. 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 knowledge, skills, and values in order to function as generalist Social Workers who enhance the capacities and quality of life for individuals, families, groups, organizations, and communities within the region of west 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 knowledge, skills, and values appropriate to a beginning social work professional 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. Social Work faculty seek to integrate scholarship with student learning through presentations at regional and national conferences, special projects, and community consultation. Social Work faculty provide service to the College, community, and professional associations by serving on local and regional boards and committees and participating in projects with local human service systems.

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 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 accomplishing goals, developing resources, and preventing and alleviating distress.
2. Utilize the skills and knowledge to successfully practice within the context of 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.
3. Utilize knowledge of the forms and mechanisms of oppression/social injustice, integrate a value-base that fosters commitment to advocacy, and develop the political and social skills necessary to alleviate oppression/social injustice.

4. Critically analyze social welfare policies and implement social welfare policies, services, and programs through political and organizational processes that meet basic human needs and support the development of human capacities.
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. 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 assess and act professionally and intentionally in situations with ethical dilemmas.
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.
9. 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. Prerequisite 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; SW 231, 251, 252, 271; PS 231; and SOC 231.

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 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 2.00 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 Fall and Spring semesters. 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. Submission of Application materials to Social Work Program Director.
5. Completion of or enrollment in all SW pre-Professional courses: BIOL 121/121L; ECON 130; PS 231; PSYC 131, 238; SW 231, 251, 252, 271; and SOC 231.
6. Documentation of 40 hours of volunteer experience in a social service setting. Documentation materials included with Application to Professional Social Work.
7. Completed interview with a designated Social Work faculty member. Student will be notified of interview following receipt of completed Application to Social Work Professional Program.

8. Signed Acknowledgement of student's willingness to abide by the NASW Code of Ethics. Statement included with Application to Social Work Professional Program.

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's requirements to 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 may be required to give permission to have a criminal background check conducted by a state Bureau of Criminal Investigation or the Federal Bureau of Investigation, depending upon potential placement agency requirements. If a background check is required, students will be responsible for all incurred costs.

A student with a major felony conviction(s) involving 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 to discuss circumstances and options available.

Applications for admission to the Professional Social Work Program are reviewed by the Social Work Admissions Committee. Action on the admission requests is based upon the recommendations of the Social Work Admissions Committee. The Social Work Admissions Committee may recommend: 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 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 outline 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 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.

PSYC 131	General Psychology	3	SW 431	Generalist Methods Lab.....	1
PSYC 238	Basic Statistics for Behavioral Sci.....	3	SW 432	Methods I: Individuals & Families	3
SOC 231	Introduction to Sociology.....	3	SW 433	Methods II: Therapeutic & Task Groups	3
SW 231	Professional Social Work	3	SW 434	Policy Analysis & Advocacy	3
SW 251	Human Behavior in the Soc Environ I.....	3	SW 435	Methods III: Org & Communities	3
SW 252	Human Behavior in the Soc Environ II.....	3	SW 458	Methods: Integrative Seminar	2
SW 271	Social Welfare Hist & 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 343 & 343L	Research Methods & Lab	4			
					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 439; SPED 231, 332, 435; SW 332

Adolescent –School Services: AIS 334; CJ 338, 432; PSYC 233, 336; SOC 332, 439; SPED 331

Policy Analysis: ECON 231, 232; LS 333; PS 421, 432; SOC 334, 340; SP 346

Administration: AIS 334; BA 337; ECON 430; LS 235, 435; MGMT 320; PSYC 434; SP 230

Mental Health Services: AIS 334, BIOL 331; PSYC 233, 433, 435; SOC 333; SP 346; SW 340

Child Welfare Services: AIS 334; BIOL 331; FCS 238; LS 236; SOC 333, 335; SW 331

International Social Work: AGRI 431; ECON 332,433; GEOG 300; PS 332; SOC 340

Gerontology Services: PSYC 234, 430; SW 332

SOCIOLOGY

Student Learning Outcomes

- Students will demonstrate a working knowledge of the nature of a society.
- Students will describe the patterns of social behavior that constitute a society.
- Students will distinguish between the meanings of culture and society and elaborate on the manner in which societies are built upon cultures.
- Students will acquire and articulate a working knowledge of the vocabulary for describing and analyzing society and social institutions.
- Students will demonstrate knowledge in the specific subfields of Sociology that explore social institutions and other basic elements of society.
- Students will conduct social research and presents the results of their research both verbally and in writing.
- Students will demonstrate through interpretative exercises the society in which they were raised through comparisons of that society with other societies.

MINOR in Sociology

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

ANTH 231	Introduction to Cultural Anthropology	3	SOC 343	Research Methodology	3
SOC 231	Introduction to Sociology.....	3	Electives in Sociology		6
SOC 335	Ethnic Minority Group Relations.....	3			Total 21
SOC 332	Juvenile Delinquency				
	OR				
SOC 339	Criminology				
	OR				
SOC 439	Sociology of Deviance	3			

SPANISH

MINOR in Spanish

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

SPAN 202*	Intermed Span Conversation & Comp	3	SPAN 390**	Internship in Spanish	
SPAN 233C	Intermed Culture Colloquium	1		OR	
SPAN 333C	Advanced Culture Colloquium	1	SPAN 238/438	Study Abroad Program	3
SPAN 334	Advanced Spanish Comp & Grammar.....	3	SPAN electives at the 300 level or above.....		6
SPAN 335	Adv Spanish Conversation.....	3			Total 20

*The required prerequisite for SPAN 202 is SPAN 201. Alternately, students may place into SPAN 202 by obtaining a score of 90% or higher on the Spanish placement exam.

**In order to complete the Spanish minor at Chadron State College, students must complete either one of the courses offered through the Study Abroad program, or in an approved internship which allows for students to practice and improve their Spanish language and cultural knowledge on a daily basis.

SPECIAL EDUCATION

Chadron State College offers a cross-categorical special education program, providing 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 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 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 or (K-12) are required to complete the following courses in addition to the Professional Education courses for Secondary Education (2.50 minimum G.P.A. required) and the General Studies Program 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	2		Total	13

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

CTE 431	Intro. to Special Needs Prog in CTE	3	SPED 331	Behavior Interventions	3
HPER 422	Intro to Adapted PE	3	SPED 332	Lang. and Learning Disorders	3
PSYC 334	Developmental Psychology	3	SPED 335	Elem./MS/Sec. Meth. Mat. M/M Dis.	4
PSYC 336	Adolescent Psychology	3	SPED 337	Program Dev., Imp. & Eval	3
SPED 231	Survey of Effects of M/M Disab.	3	SPED 416	Clinical Exp. in Appr. Exc. Child	1
SPED 232	Interper. Comm Skills for SPED	3	SPED 435	Assess. Indiv. with M/M Disab.	3
SPED 316e	Microteach Elem/Middle School	1	SPED 438	Consultation/Collaboration	3
SPED 316s	Microteach Secondary Special Ed	1		Total	40

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.

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 and Professional Education-Middle Grades program course requirements, in addition to one other 18 credit hour Middle Grades Content Area of Specialization:

SPED 316	Micro Teaching Elem/MS	1	SPED 416	Clinical Exper. in Appr. of Exc Chld.	1
SPED 331	Behavior Interventions	3	SPED 435	Assess. Indiv. With M/M Disab.	3
SPED 335	Elem/MS/Sec Methods	4	SPED 438	Consultation/Collaboration	3
SPED 337	Program Devel., Improv. & Eval	3		Total	18

The Degree of Bachelor of Science in Education with an EARLY CHILDHOOD EDUCATION UNIFIED 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 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	2		Total	13

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	Early Childhood Practicum.....4
EDUC 232	Sci, Math & Soc Stu for Early Child.....3	SPED 231	Survey & Effects of M/M Disability .....3
EDUC 233	Lit & Language Arts for Early Child.....3	SPED 232	Interpersonal Communication Skills
EDUC 321	Teach Elem/MS Math .....2		OR
FCS 139	Child Growth and Development .....3	FCS 239	Partners in Early Child Educ .....3
FCS 237	Guidance Tech Human Relations	SPED 316e	Micro Teaching in Preschool .....1
	OR	SPED 332	Language & Learning Disorders.....3
SPED 331	Behavior Interventions .....3	SPED 337	Program Dev, Implem, & Mgmt.....3
FCS 238	Prenatal & Infant Development .....3	SPED 416	Clinical Exp – Except Child .....1
FCS 321a	Curriculum Development.....2	SPED 438	Consultation/Collaboration .....3
FCS 423	Program Management .....3		Total 46

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 Admission Requirements for the Professional Year.

Semester #1 – Block:

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 .....1
EDUC 417	Teach Reading & Writing Diagnosis .....1		Total 12

Semeter #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: he 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 331	Behavior Interventions .....3
SPED 231	Survey and Effects of M/M Disab. ....3	SPED 332	Language & Learning Disorders.....3
SPED 232	Interpersonal Comm. Skills.....3	SPED 335	Elem/MS/Sec Methods & Materials.....4
SPED 316	Microteach Pre/Elem/Middle School.....1	SPED 337	Program Dev., Imp. & Mgmt.....3
			Total 23

TECHNICAL OCCUPATIONS

The Degree of Bachelor of Applied Sciences with a COMPREHENSIVE MAJOR IN TECHNICAL OCCUPATIONS: The Bachelor of Applied Sciences degree is specifically designed to accept transfer of Associate of Applied Science (AAS); Associate of Science (AS); or Associate of Occupational Science (AOS) degrees from accredited two-year institutions. Technical course work completed in associate degree is enhanced at Chadron State College with general education and advanced support courses to meet the career and educational goals of the student. The course work allows students to individualize a plan of study in one of the following options: Health Care, Computers and Electronics, Industrial Trades, Agricultural Operations, Management Services or Post-secondary Technical Career Education.

Transfer of Courses

Chadron State College will accept up to 50 semester credit hours of concentrated technical course work included in an AS, AAS, or AOS degree from an accredited technical school or community college. Up to an additional 20 hours of general education courses or electives may be accepted.

Degree Requirements

Maximum Technical Transfer Courses	50 hours
Minimum General Education Courses	40 hours
Minimum Upper Division Support Courses	36 hours
Minimum Total Hours.....	125 hours

General Education Requirements

CA 125	Fund of Oral Communications.....3	HPER 233	Health and Wellness.....3
ENG 135	Composition I.....3	HUM 231	Patterns in the Humanities .....3
ENG 137	Technical Writing I.....3	PS 231	American National Government .....3

To be selected from General Studies Program:

Fine Art	3	Physical Activities	1
Global & Social Awareness	6	Reason & Values.....	3
History	3	Science	3
Mathematics	3		40

Special Requirements

- Each student is assigned a three-member faculty advisory committee to assist in the development of a specific plan of study.
- An Associate of Science, Associate of Applied Science, or Associate of Occupational Science degree from an accredited institution is required for admittance to this program.
- A maximum of 70 semester hours may be transferred from a technical or community college.

THEATRE

Mission and Objectives

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 an equal value on 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.



The Degree of Bachelor of Arts with a COMPREHENSIVE MAJOR IN THEATRE: A student must complete the core requirements, the General Studies requirements, 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 224	Fundamentals of Voice & Movement.....3	TH 435	Special Topics in Theatre (Choose from Stage Combat, Scene Painting, or Acting for the Camera) .....3
TH 234	Audition Techniques & Practices.....2		
TH 237	Beginning Directing .....3		
TH 243 & 243L	Intro to Set/Light Design & Lab .....3		Total 35

Performance/Directing Option

Core Requirements	.....35	Electives to be selected from TH 334, 339, 340/440, 359, 434, 435, 437	.....19
			Total 54

Technical/Design Option

Core Requirements	.....35	Electives to be selected from TH 339, 340/440, 359, 402, 435, 445, 459/459L.....19
		Total 54

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 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 224	Fundamentals of Voice & Movement.....3	TH 435	Special Topics in Theatre (Choose from Stage Combat, Scene Painting, or Acting for the Camera) .....3
TH 234	Audition Techniques & Practices.....2		
TH 237	Beginning Directing .....3		
TH 243 & 243L	Intro to Set/Light Design & Lab .....3		Total 35

NOTE: EDUC 431b, 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* .....3
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 334, 435, 437, 445, 459/459

COURSE DESCRIPTIONS

ACCOUNTING

- ACTG 160 Topics in Accounting Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in accounting.
- ACTG 241 Accounting Principles I Credit 3 hours**
Introduction to the process of recording financial data and preparing periodic financial statements and special reports for the sole proprietorship and partnership.
- ACTG 242 Accounting Principles II Credit 3 hours**
Continuation of Accounting Principles I, emphasizing the accounting process in the corporation. Includes cash flow, managerial accounting, and financial statement analysis. Prerequisite: ACTG 241 or equivalent.
- ACTG 332 Accounting Information Systems Credit 3 hours**
Using accounting system software on the personal, work group, and organizational levels including transaction processing systems, decision support systems, and internal control systems. Database is linked to organizational systems for business types of sole proprietorships, partnerships, corporations, and non-profit accounting systems. Prerequisite: ACTG 241 or equivalent.
- ACTG 337 Cost Accounting Credit 3 hours**
Manufacturing cost procedures including job-order and process cost systems, planning and control, budgeting and standard costing, and analysis of costs and profits. Prerequisites: ACTG 242 or equivalent.
- 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 242 or equivalent.
- 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 341 or equivalent.
- ACTG 343 Intermediate Accounting III Credit 3 hours**
Accounting theory and practical application of accounting problems presented in special topics. Accounting issues concerning leases, pensions, income taxes, earnings per share, cash flows, and interim and segment reporting are included. Prerequisite: ACTG 342 or equivalent.
- 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.
- 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 242 or equivalent.
- ACTG 433 Governmental and Not-For-Profit Accounting Credit 3 hours**
Specialized accounting procedures designed for governmental and non-profit entities including fund accounting, budgetary accounting, and reporting procedures. Non-profit accounting system software may be used to record transactions for these governmental and non-profit entities. Prerequisite: ACTG 242 or equivalent.

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. Prerequisite: ACTG 342 or equivalent.

ACTG 443 Advanced Accounting Credit 3 hours

Accounting theory and problems dealing with corporate combinations and consolidations and other specialized financial accounting topics. Prerequisites: ACTG 342 and MIS 332 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 4 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 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 Crop 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 Crop 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**
Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.
- 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 Beef Production** **Credit 3 hours**
Principles and practices of commercial and purebred beef production including breeds, breeding, reproduction, diseases, marketing, management, and general husbandry. Must be taken concurrently with AGRI 333L.
- AGRI 333L Beef Production Laboratory** **Credit 1 hour**
Lab experience. Must be taken concurrently with AGRI 333.
- AGRI 334 Rangeland Improvement 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 production including breeding, housing, foot and leg care, equipment, and history.
- AGRI 336 Sheep Production** **Credit 3 hours**
Principles and practices of commercial and purebred sheep 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 350 Rangeland Livestock Production Credit 3 hours**
Production of livestock 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 domestic animals. 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 Vegetation 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 Vegetation Inventory and Analysis Laboratory Credit 2 hours**
Field lab experience. Must be taken concurrently with AGRI 428/528.
- 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 3 hours**
Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation 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.
- AGRI 445 Mammalogy Credit 2 hours**
Systematic, life history, physiology, and behavior of mammals. Must be taken concurrently with AGRI 445L. Field trips required. Cross-listed as BIOL 435. Prerequisites: BIOL 336/336L or consent of the instructor.
- 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 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.

APPLIED HISTORY

AHIS 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. Cross-listed as MS 231.

AHIS 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. Cross-listed as MS 330.

AHIS 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. Cross-listed as MS 331.

AHIS 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. Cross-listed as MS 333.

AHIS 390 Internship in Applied History Credit 1-6 hours

Provides practical experience in a museum or historical society, government agency, business, or industry. 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.

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 design and their application in the visual language of creative art.
- ART 136 Figure Drawing I Credit 3 hours**
Drawing from live models in order to develop perceptual skills in relation to the figure. Prerequisite: ART 131.
- ART 223 Introduction to Photography Credit 3 hours**
Introduction to the tools and techniques of traditional black and white photography. Topics covered include camera operation, lighting, film and print development, and professional presentation. 35 mm SLR camera required.
- ART 225 Printmaking I Credit 3 hours**
Introduction to fundamental processes and creative potential of printmaking, including block cut, monotype, collograph, and serigraphy. Prerequisite: ART 133.
- 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 and 133.
- ART 232 Painting I Credit 3 hours**
Basic painting techniques emphasizing the use of color, the development of perceptual skills and communication through the language of Art. May require field trips. Prerequisite: Art 131.
- ART 239 Elements of Art Credit 3 hours**
Introduction to Art History, artists, techniques, and materials employed in the production of art. Illustrated lectures and demonstrations.
- ART 310 Art Seminar Credit 1-3 hours**
Study and discussion of topics and problems of interest to advanced art students. Critiques of art shows and student's work. May be repeated with a different topic.
- ART 320 Figure Drawing II Credit 3 hours**
Continuation of drawing from live models to further develop perceptual skills in relation to the figure. Emphasis is placed on the user of the figurative art 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, etched, lampworked and fused processes.
- 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. Camera required.
- ART 325 Printmaking II Credit 3 hours**
Introduction to intaglio and techniques of mixed medium printmaking. 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 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 231.
- 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 fabrication, mold construction, metal casting, and finishing processes. 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 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 group of students, analogous to the way in which Independent Study or Research is designed. 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.
- ART 412 Senior Thesis Credit 1 hour**
Preparation of the student's senior art exhibit and portfolio is required of all art majors the semester they are scheduled to present their senior exhibit. Students will be evaluated on poster design, publicity, pictorial display, gallery arrangement and creativity, and craftsmanship in a broad range of media.
- ART 421 Glass II Credit 3 hours**
Exploration in the use of molten glass as an art medium. Advanced glassblowing techniques, and construction and maintenance of studio equipment. Prerequisite: ART 321.
- 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 328.
- 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. 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**
Lab experience. Must be taken concurrently with BIOL 121.
- BIOL 131 Fundamentals of Cellular Biology** **Credit 3 hours**
The form, function, and physiology of eucaryotic cells, procaryotic cells, viruses, and prions. Must be included with BIOL 138/138L and BIOL 139/139L for a complete first year experience in biology.
- 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**
Lab experience. Must be taken concurrently with BIOL 136.
- BIOL 138 General Botany** **Credit 2 hours**
The general principles of plant life. The groups of higher plants will be studied and demonstrated in the laboratories. Must be taken concurrently with BIOL 138L.
- BIOL 138L General Botany Laboratory** **Credit 1 hour**
Lab experience. 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**
Lab experience. Must be taken concurrently with BIOL 139.
- BIOL 221 Bioterminology** **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. Prerequisite: Nine hours of biology courses excluding BIOL 136/136L.
- BIOL 229 Vertebrate Zoology** **Credit 1 hour**
The phylogenetic treatment of Chordate groups, living and extinct. Must be taken concurrently with BIOL 229L. Prerequisites: BIOL 131 and BIOL 139/139L.
- BIOL 229L Vertebrate Zoology Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 229.
- 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.
- BIOL 231L Anatomy and Physiology Laboratory** **Credit 1 hour**
Laboratory experience. 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 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, conduct of literature searches, and critical analysis of sources. May be repeated, but only one hour applies to major. For second semester sophomores or juniors in Biology or Health Sciences majors.
- BIOL 320** **Supervised Study in Laboratory and Field 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 131, BIOL 231/231L, and CHEM 231/231L.
- BIOL 323L** **Basic Hematology Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 323. All students must have received two of the three hepatitis B vaccinations prior to beginning this course.
- 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 328** **Invertebrate Zoology** **Credit 1 hour**
The invertebrate phyla of the animal kingdom. Must be taken concurrently with BIOL 328L. Prerequisites: BIOL 131 and BIOL 139/139L.
- BIOL 328L** **Invertebrate Zoology Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 328.
- BIOL 331** **Human Sexuality** **Credit 3 hours**
Designed to present the different dimensions of human sexuality and to provide information that can contribute to the student's knowledge, comfort, and choices regarding personal and interpersonal aspects of sexuality.
- BIOL 332** **Genetics** **Credit 3 hours**
Transmission of traits from generation to generation, including Mendelian, molecular, and population genetics. Prerequisites: BIOL 131, CHEM 231/231L or 233/233L, and MATH 232, 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: 12 hours of Biology excluding BIOL 136/136L.
- BIOL 336L** **General Ecology Laboratory** **Credit 1 hour**
Laboratory experience. 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 problem. 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.
- BIOL 340L** **Human Anatomy Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 340.

- BIOL 341 Microbiology** **Credit 2 hours**
Study of bacteria, molds, yeasts, algae, protozoa, viruses, and rickettsias. Must be taken concurrently with BIOL 341L. Prerequisite: BIOL 131 or consent of the instructor.
- BIOL 341L Microbiology Laboratory** **Credit 2 hours**
Laboratory experience. 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 340/340L or consent of the instructor.
- BIOL 342L Human Physiology Laboratory** **Credit 1 hour**
Laboratory experience. 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: BIOL 131 and 139/139L.
- BIOL 343L Parasitology Laboratory** **Credit 1 hour**
Laboratory experience. 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**
Provides 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. Must be taken concurrently with BIOL 401.
- BIOL 410 Biology Seminar II** **Credit 1 hour**
Each student will select a topic with approval by the biology faculty, collectively. The student will complete original research or literature review on the topic and report by a poster, 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. Prerequisite: BIOL 311 or permission of instructor.
- 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 or CHEM 435/435L, and consent of instructor.

- BIOL 422 Advanced Human Anatomy Credit 2 hours**
The advanced study of human anatomy through human gross dissection, histological analysis and clinical anatomy of each system of the body. This course is designed for Anatomy and Physiology mentors. Prerequisites: BIOL 340/340L and BIOL 342/342L and written permission by the course instructor.
- BIOL 425 Plant Morphology Credit 2 hours**
Origin and structure of plant cell types and tissues along with a survey of the plant world illustrated by specific examples from both living and fossil plants. Must be taken concurrently with BIOL 425L. Prerequisites: BIOL 131 and BIOL 138/138L.
- BIOL 425L Plant Morphology Laboratory Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 425.
- 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. Class consists of lectures and class discussion of current literature. Prerequisites: BIOL 332 and BIOL 336/336L.
- 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 341/341L or consent of instructor 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: CHEM 435 and BIOL 342/342L or consent of instructor.
- 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 328/328L.
- BIOL 431L Entomology Laboratory Credit 1 hour**
Laboratory and field experience. 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 and CHEM 435, or permission of instructor.
- BIOL 432L Developmental Biology Laboratory Credit 1 hour**
Vertebrate embryology and morphological development laboratory. Must be taken concurrently with BIOL 432.
- BIOL 433 Analysis of Human Movement 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, CHEM 435/435L, and PHYS 151/151L, or permission of instructor.
- BIOL 433L Analysis of Human Movement Laboratory Credit 1 hour**
Laboratory experience. 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. Must be taken concurrently with BIOL 435.
- BIOL 436 Research Microscopy Credit 3 hours**
Microscopic principles and techniques and research methods. Students will plan and carry out a research project using light microscopy and present their findings in a public seminar. Prerequisite: 12 hours of Biology credit excluding BIOL 136/136L, or approval of the instructor.
- 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, 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. 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 recommended.
- BIOL 439L Plant Physiology Laboratory Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 439.
- BIOL 440 Topics in Human Biology Credit 1-3 hours**
Designed to meet the needs of different groups of people desiring study in gross and living anatomy, physiology, embryology, histology, and neurobiology. Study topics and credit will be arranged to meet the needs of the students. Can be repeated with a change in emphasis for a total of twelve hours of credit.
- BIOL 443 Topics in Biology Credit 1-3 hours**
Designed to meet the needs of different groups of people desiring knowledge in an area 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: BIOL 336/336L.
- BIOL 444L Limnology Laboratory Credit 1 hour**
Laboratory experience. 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. 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). Concurrent enrollment in BIOL 449L required. Prerequisites: BIOL 332, 341/341L, and either CHEM 231/231L or CHEM 233/233L.
- BIOL 449L Molecular Biology of the Cell Laboratory Credit 2 hours**
Project-based laboratory using a broad range of basic techniques. In addition to tools and approaches learned in BIOL/CHEM 412, students will learn cell culturing, and DNA, RNA and protein analysis. Concurrent enrollment in BIOL 449 required.
- 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. Must be taken concurrently with BIOL 456.
- BIOL 465 Neuroscience Credit 3 hours**
Advanced study of the human nervous system. Includes lectures and laboratory experiences with human nervous tissue. Organization, structure, and function of the Central Nervous System as it relates to clinical problem-solving of neurological disorders. Prerequisites: BOL 342/342L.

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.

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 in Occupational Training Program 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 110 Careers in Science Credit 1 hour**
Introduction for Physical Sciences majors to career options. Students will conduct independent research of selected firms or agencies. A required field trip to a major metropolitan area will provide knowledge of opportunities and challenges of the technical job market.
- CHEM 121 Fundamental Chemistry Credit 3 hours**
Required of students who have not taken high school chemistry who plan to enroll in CHEM 131 or CHEM 140.
- 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**
Accompanies College Chemistry I. 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 and 131L.
- CHEM 132L College Chemistry II Laboratory Credit 2 hours**
Laboratory exercises in General Chemistry II and qualitative analysis. Concurrent enrollment in CHEM 132 required.
- CHEM 140 General 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 General Chemistry Laboratory Credit 1 hour**
Accompanies CHEM 140. Basic chemistry laboratory operations. Concurrent enrollment in CHEM 140 required.

- CHEM 231 Introduction to Organic Chemistry** **Credit 3 hours**
Survey of organic chemistry principles and applications for students requiring one semester of Organic Chemistry. Nomenclature and reactions of the principle families of organic compounds. Prerequisite: CHEM 132/132L or CHEM 140/140L. Concurrent enrollment in CHEM 231L required.
- CHEM 231L Introduction to Organic Chemistry Laboratory** **Credit 1 hour**
Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy. Concurrent enrollment in CHEM 231 required.
- CHEM 233 Organic Chemistry I** **Credit 3 hours**
Nomenclature, reactions, multi-step synthesis, stereochemistry, mechanisms, and spectroscopy of organic compounds. Prerequisite: CHEM 132/132L or CHEM 140/140L. Concurrent enrollment in CHEM 233L required.
- CHEM 233L Organic Chemistry I Laboratory** **Credit 1 hour**
Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy. Concurrent enrollment in CHEM 233 required.
- CHEM 234 Organic Chemistry II** **Credit 3 hours**
A continuation of Organic Chemistry I. Concurrent enrollment in CHEM 234L required. Prerequisite: CHEM 233/233L.
- CHEM 234L Organic Chemistry II Laboratory** **Credit 1 hour**
A continuation of Organic Chemistry I laboratory. Concurrent enrollment in CHEM 234 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 332 Analytical Instrumentation** **Credit 2 hours**
A one-semester course in basic instrumentation with emphasis on the clinical and commercial setting. Prerequisites: CHEM 132/132L -or 140/140L, and 231/231L. Concurrent enrollment in CHEM 332L required.
- CHEM 332L Analytical Instrumentation Lab** **Credit 1 hour**
Laboratory experience in use and maintenance of scientific equipment. Concurrent enrollment in CHEM 332 required.
- CHEM 341 Analytical Chemistry I** **Credit 3 hours**
Principles of modern analytical chemistry. Must be taken concurrently with CHEM 341L. Prerequisite: CHEM 132/132L.
- CHEM 341L Analytical Chemistry I Laboratory** **Credit 1 hour**
Laboratory experience in quantitative analysis. Must be taken concurrently with CHEM 341.
- CHEM 342 Analytical Chemistry II** **Credit 3 hours**
Emphasis on instrumental and radioisotopic analysis. Must be taken concurrently with CHEM 342L. Prerequisite: CHEM 341/341L.

- CHEM 342L Analytical Chemistry II 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 2 hours**
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 CHEM 435/435L and 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 419 Special Topics in Chemistry** **Credit 1-3 hours**
Offered to meet special needs of chemistry majors. May be repeated.
- 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. 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 435 Biochemistry** **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 435L recommended. Prerequisite: CHEM 231/231L or CHEM 233/233L.
- CHEM 435L Biochemistry Laboratory** **Credit 1 hour**
Accompanies Biochemistry. Prerequisite: CHEM 435 or concurrent enrollment in CHEM 435.

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 First Year Seminar Credit 3 hours

Assists the student in obtaining academic skills and knowledge necessary to reach his/her educational objective, including memory development, time management, test-taking, communication skills, career planning, study skills and techniques, questioning skills, understanding diversity, and career issues.

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.

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 Desktop 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, and text-formatting.
- 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 Public Relations Techniques Credit 3 hours**
An overview of current theory and practice in the public relations profession using case studies, exercises, and projects that emphasize media relations, promotion, and research.
- 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 debate, political, mediated, and interpersonal communication. Students will be expected to analyze and critique persuasive messages from varied sources.
- 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 Public Relations Multimedia Credit 3 hours**
A study of creative and effective writing practices across media currently used in the public relations field.
- 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 450 Case Studies in Public Relations Credit 3 hours

This course builds on the material presented in the previous public relations classes to acquaint students with the latest techniques in public relations management. Case studies will be used to examine issues of research, planning, budgeting, and timelines within the context of practice areas including employee relations, community relations, media relations, and public issues.

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 Police in America 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 respondents to a crime scene, chain of custody for crime scene evidence, and interacting 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 Sciences I Credit 3 hours

An overview of scientific crime detection. 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. 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

Involvement and role of minorities in crime and in the Criminal Justice System with special focus on multicultural issue in theories of crime, in American law, and problems as they relate to Criminal Justice.

CJ 337 Introduction to Law Credit 3 hours

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. 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**
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.

ECON 231 Macroeconomics Credit 3 hours

Economy in the aggregate including gross domestic product and its components, employment, inflation, business fluctuations, economic growth, 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. Analysis of supply and demand, pricing functions, and income distribution with application to United States economy.

ECON 331 Money and Banking Credit 3 hours

The nature and operation of the money, banking, and financial institution systems with application of modern monetary and banking theories to current domestic problems. Prerequisites: Department's Mathematics Requirement; ACTG 241 and ECON 231 or equivalencies.

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 such as NAFTA, GATT(WTO), FTAA, and the economic 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 structure for farms, ranches and input sectors within agriculture. Government's role and impact are also studied. Prerequisites: Department's Mathematics Requirement; ECON 231 and 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 the farm and ranch components and agricultural input markets. 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, 334, and FIN 335 or consent of the instructor.

ECON 425 Intermediate Economics Analysis Credit 3 hours

Application and problem solving of macroeconomics to aggregate variables of employment, global trade, interest ratios, debt and monetary, trade and fiscal policies. Application and problem solving of microeconomics with analysis of households, firms, governments in the product market and resource markets. Prerequisites: Department's Mathematics Requirement; ECON 231, 232.

ECON 430 Community Economic Development Credit 3 hours

An economic analysis of the structure, problems and nature of communities, and revitalization. The dimensions and causes of poverty and alternatives for development will be discussed. Some current economic development programs will be examined. Prerequisites: Department's Mathematics Requirement; BA 336 and ECON 232, or equivalencies.

ECON 434 National Agricultural Policy Credit 3 hours

The basics of agricultural production units 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; ECON 334, 338; 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 the schools, ranging from projection devices to copiers and computers. Creation of audio-visual materials such as bulletin boards, mobiles, slide presentations, etc. Computer use is addressed via a review of the basics of computer operation; use of common educational databases; and use of computers to facilitate instruction. 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 2 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, 321, 322, 323, 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 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 411 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 Secondary/Middle School General Methods Credit 1 hour

Teaching strategies, development of curriculum units and lesson plans, questioning skills and motivation techniques. 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 414 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 418 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(A-S) Special Methods Credit 3 hours**
An instructional methods course in the major field(s) of content specialization required of secondary education majors pursuing content area endorsement(s) programs. Also required of middle school and elementary K-6 subject endorsed students in art, physical education, educational media, and music teacher education. The course must be taken prior to the Teaching Internship semester, students must consult advisors to schedule the course at the appropriate time. Includes techniques for working with exceptional population. Prerequisites: PPST, EDUC 131, EDUC 224, EDUC 300, PSYC 231, and SPED 230.
- 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 440 Topics in Educational Technology Credit 1-3 hours**
Designed to allow students to study some aspect of educational technology not offered as a regular class. May be repeated with a change of emphasis for a maximum of 6 hours credit.
- 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 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. Prerequisite: A minimal score of 19 on the ACT English test or 43 on the ASSET test. Students not meeting either requirement may enroll in Composition I after receiving a passing grade in ACFS 005 (Developmental Writing) offered by Western Nebraska Community 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 137 Technical Writing I** **Credit 3 hours**
Instruction in expository techniques, organization patterns, and realistic situations encountered in science and industry. Prerequisite: ENG 135.
- ENG 160 Literary Explorations** **Credit 1-3 hours**
Special Topics in English. May be repeated with a change in emphasis.
- ENG 233 Elements of Literature** **Credit 3 hours**
A study of the elements of poetry, drama, and fiction.

- ENG 235 Children's Literature Credit 3 hours**
A study of literature written for children and adolescents that provides a critical background for interpreting, evaluating and teaching the literature.
- ENG 240 Advanced Grammar and Composition Credit 3 hours**
Techniques of writing non-fiction prose, including invention, research, organization, expression, style, and grammar.
- ENG 331 Theory and Practice of Writing Credit 3 hours**
An examination of various methods and programs in teaching writing, including practical experience in responding to writing.
- ENG 335 History of American Literature Credit 3 hours**
(a) A chronological study of American literature from its beginning to 1865.
(b) A chronological study of American literature from 1865 to the present.
- 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 338 History of English Literature Credit 3 hours**
(a) A chronological study of English language and literature from its beginnings to 1795.
(b) A chronological study of English literature from 1795 to the present.
- ENG 339 Creative Writing Credit 3 hours**
Writing instruction designed to improve the students' expression in poetry and prose.
- ENG 400 Independent Study or Research Credit 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.
- 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 439 Dramatic Literature Credit 3 hours**
A study of selected dramatic literature.
- ENG 440 Theory and Practice of Literary Criticism Credit 3 hours**
An overview of current theoretical trends, such as psychoanalysis, ethnicity and race studies, structuralism, post-structuralism, and Marxism, as they relate to the practice of various forms of literary criticism.

ENG 441 **English and American Novels** **Credit 3 hours**
A study of selected English and American novels.

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 123 **Principles of Apparel** **Credit 2 hours**
Principles of design as well as consumer and merchandising principles of apparel are explored, including the historical, economic, and sociological aspects of apparel. 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 **Child Growth and Development** **Credit 3 hours**
Human development from conception through adolescence 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 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 2 hours**
Architectural elements, design elements, and principles are applied to commercial and residential design and decor. Computer design will be explored.

FCS 234 **Human Services** **Credit 3 hours**
Exploration of careers within various human service areas. Provides awareness, information, and competencies necessary to facilitate entry into the human services. Topics of study include organizational management, planning service to clients, need analysis, and principles of human services.

FCS 235 **Food Production** **Credit 3 hours**
The theory and practice of food preparation. Study will include principles of food preparation related to nutrition, flavor, texture, color and safety, as well as the chemical composition of food. This class is appropriate for students interested in hospitality or wellness related careers. Includes a lab component.

FCS 236 **Food Management and Service** **Credit 3 hours**
Learn to plan, purchase, prepare and serve foods which promote nutrition and wellness for individuals and families in both home and hospitality settings. This class is appropriate for students interested in hospitality or wellness related careers. Includes a lab component.

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 Partnerships 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.

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 Focusing on the Future 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 Rangeland 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 all individuals involved with an aging and dying person.

FCS 321a Curriculum Development in FCS Education for Preschool Programs Credit 2 hours

Examines curriculum models and developmental needs of preschool-age children 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 321b Curriculum Development in FCS Education for Secondary Programs Credit 2 hours

Examines the curriculum needs of students in junior and senior high. Curriculum materials, including unit plans and lesson plans, are developed.

FCS 324 Interior Environments Credit 2 hours

Study and applications of interior furnishing, finishing materials, and design treatments for commercial and residential interiors. Studio. Prerequisite: FCS 224 OR permission of instructor.

FCS 329a Patternmaking Credit 2 hours

Flat pattern as well as draping techniques in construction of apparel or interior fashions. Construction of a fitted basic or original design will be created. Prerequisites: FCS 1235OR permission of instructor.

FCS 329b Historic Fashion and Costumes Credit 2 hours

Period designs and techniques for theater design and construction and authentic construction features. Involves research and design development or restoration. Prerequisites: FCS 135 OR permission of instructor.

FCS 329c Adaptive Fashions: Apparel and Home Credit 2 hours

Apparel and personal care accessories for a variety of special needs and/or handicapping conditions. Ready-to-wear redesign or modification as well as original design and construction. Prerequisites: FCS 135 OR permission of instructor.

- FCS 329d Visual Display/Production Credit 2 hours**
The organization and arrangement of three-dimensional designs and fashion productions. Merchandising effects will be analyzed as well as created.
- FCS 331 Family Systems 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, human capital, and public services. Wellness and quality of life issues will be considered.
- FCS 332 Family Studies Credit 3 hours**
A family study investigating functions of the family throughout the life cycle, including communications, relationships, socialization, and conflict resolution within the family. Lecture, discussion, and case study methods.
- FCS 333 Home and Hospitality Technology Credit 3 hours**
A study of large and small appliances and utensils used in home and/or hospitality settings, including their design, construction, selection, use and care. Energy systems will be studied, including basic principles of electricity, gas, alternative energies, conservation principles and environmental wellness. Lecture, demonstration, and laboratory.
- 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 337 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 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 Wellness Across the Lifespan Credit 3 hours**
Students will use wellness models and developmental models as a basis for learning assessment skills and creative intervention strategies which promote a lifetime of wellness. Emphasis is on empowering students to work with individuals across the lifespan (birth through old age) in assessing current states of wellness and promoting optimal wellness choices. Among the topics to be studied are wellness behaviors of individuals across the lifespan and the relationship to longevity, core values and life-defining decisions, and critical thinking and creative problem-solving for individuals of all ages. Students will focus on the theory and practice of wellness assessments, interventions, and outcomes in working with individuals and families of various ages and stages.
- FCS 421 Organization & Administration of FCS Credit 2 hours**
Departmental management and funding, community activities and relations, youth organization, and facility/equipment maintenance.

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 Management Credit 3 hours

Management of program operations, funding, community relations, organization of personnel, and administration of programs. Integrates a basic understanding of techniques and skills necessary for managing and administering programs/organizations in a practical, hands-on format. Students will demonstrate knowledge based and skill based competencies in developing a program/organization, from preplanning to finalizing necessary requirements for successful program operations.

FCS 424 Housing Issues Credit 2 hours

Current issues regarding social, political, and economic factors as related to family housing are investigated through research and discussion. Seminar style.

FCS 434 Seminar in Current Issues in Human Services Credit 2 hours

Provides an opportunity to concentrate on current issues in the human services field including consumer rights and involvements, therapeutic modalities, policies, programs, funding, and administrative issues.

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.

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 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, 321, and 339 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.

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 330 Business Finance I Credit 3 hours

An introduction to the basic concepts of finance, including measures of return, risk and time value of money. These are then applied to macro aspects of finance, especially stocks and bonds. This is followed by the application to, and analysis of, firms, especially financial statement analysis, capital budgeting and risk analysis. Prerequisites: ACTG 241, 242, and ECON 232 or equivalencies.

FIN 331 Financial Markets and Institutions Credit 3 hours

Inquiry into the various financial markets and institutions operating in the U.S. and international economy. Emphasis is placed on providing the analytical tools needed to assess financial institution response to both micro and macroeconomic factors. Prerequisite: FIN 330 or equivalent.

FIN 335 Agricultural Finance Credit 3 hours

Economic theories related directly to the market for capital and associated production cost with application to the farm, ranch, and agricultural sectors. Specific study deals with financial statements, financing enterprises, and sources of agricultural credit including private and governmental lending institutions. Prerequisites: Department's Mathematics Requirement; ACTG 241.

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.

FIN 432 Business Finance II Credit 3 hours

Continuation of micro aspects of finance. Topics include: risk analysis, dividend policy, long-term financing, short-term management with focus on inventory, receivables, cash balance, mergers, divestitures, and international finance. Prerequisites: BA 336 and FIN 330 or equivalencies.

FIN 439 Investments 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. Prerequisite: FIN 330 or equivalent.

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.

GEOG 300 World Cultures Credit 3 hours

Study of various elements and spatial variations of culture around the world through topical, regional, and comparative analysis. Topics include concepts of culture, regional patterns, resource use, population, religion, language and communication, rural and urban settlements, and other attributes of the cultural landscape.

GEOG 324 World Regional Geography Credit 3 hours

Survey of physical, cultural, and economic aspects of world regions. An introduction to how constituent parts of the world differ from one another in their associated resources, cultures, and economics. Prerequisite: GEOG 232.

- GEOG 330 Geography of Nebraska Credit 3 hours**
A study of the major physical and cultural characteristics of Nebraska. Emphasis on settlement history, changing perceptions and utilization of the environment, the evolution of the contemporary landscape, and geographic regions of the state.
- GEOG 331 Economic Geography Credit 3 hours**
Locational aspects of human economic activities. Examines the geographical distribution of the world's natural resources and the relationship between this distribution and national development and trade activities. Explores urban affairs, regional problems, regional development, and community planning. Students will conduct field research during the course.
- GEOG 334 Political Geography Credit 3 hours**
Analyzes the geographic factors influencing historical and contemporary international relations and the policies of nations as political units. Consideration given to aspects of geopolitics, racial and ethnic groupings, religion and language, boundaries, and territorial changes.
- GEOG 335 Resource Geography Credit 3 hours**
Ecological and environmental concepts through selected conservation and resource management topics including resource exploitation and methods of wise use of soils, forests, waters, minerals, wildlife, and recreational areas. Focus is on the relationship between human society and Earth systems especially how people identify, interpret, assess, and use resources from a geographic perspective.
- GEOG 336 Map Use and Geographic Information Systems (GIS) Credit 3 hours**
A hands-on approach to acquiring skills in geographic techniques, introducing common characteristics and use of map media including topographic map interpreting, map and compass study, and thematic maps use and application. An introduction to basic geographic information systems structure that focus on location and resource analysis; a layering technique used for multiple interpretation, evaluation, and analysis using manual and computer environments.
- GEOG 337 Community Structure and Change Credit 3 hours**
Study of rural and urban communities. Includes focus on social and spatial characteristics, community change, and planning. Includes field trips. Cross-listed as SOC 337.
- GEOG 339 Geography of the Great Plains Credit 3 hours**
Examines physical and cultural features of the Great Plains. The climate, soils, landforms, and vegetation of the region will be interrelated with the sequence of human occupancy and activities from prehistoric times to the present. Emphasis upon changing perceptions and utilization of the Great Plains environment and the emergence of a distinctive contemporary region. Field trips may be a part of course activities.
- GEOG 340 Geography of North America Credit 3 hours**
Regional analysis of the physical, demographic, economic, and cultural characteristics of the continent. A study of interactions of different groups of people and the resulting regional differentiation within North America.
- GEOG 390 Internship in Geography Credit 1-12 hours**
Provides practical experience within some area of geography such as regional or community planning, Geographical Information Systems (GIS), or environmental/conservation work within a governmental agency, business, or 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.
- GEOG 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.
- GEOG 430 Topics in Geography Credit 1-3 hours**
Special topics in geography. May be repeated with a change of emphasis.

GEOG 438 Seminar in Cultural Geography Credit 1-3 hours

Examines various aspects of human cultural behavior and environmental space and helps students develop their awareness of the extent to which their feelings, behavior, and thoughts are influenced by their physical surroundings. Topics include environmental attitudes, environmental cognition, mental maps, personal space, territoriality, crowding, and psychological landscapes. Field research will be an important part of this course. Prerequisite: GEOG 232 or consent of Instructor.

GEOG 466 Field Experience in Geography Credit 1-3 hours

Field observations concerning the cultural landscape. Noted especially are the spatial phenomena of landforms, soils, natural vegetation, and how different cultures change and adapt to these various natural environments. The study of the cultural landscapes involve the synthesis of cultural activity including: land use, urban and rural settlements, economic, political, and social activities. May require a tour.

GEOSCIENCE

GEOS 110 Careers in Science Credit 1 hour

Introduction for Physical Sciences majors to career options. Students will conduct independent research of selected firms or agencies. A required field trip to a major metropolitan area will provide knowledge opportunities and challenges of the technical job market.

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 History of the Earth System 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 History of the Earth System 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 an 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 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 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.

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 Riflery/Skeet and Trap Shooting Credit 1 hour**
To develop skills and knowledge of 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.
- HPER 104 Tennis Credit 1 hour**
The rules, etiquette, grip, forehand strokes and backhand strokes, serving, volleying, and singles and doubles play are emphasized.
- 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. Prerequisite: HPER 122, or permission of Department Chair.		
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/Archery	Credit 1 hour
To develop skills and knowledge of badminton and archery.		
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 122, 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 2 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 2 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.
- 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: PSYC 131, HPER 232, 236, FCS 332, and 337.
- 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 Education Credit 3 hours**
To acquaint prospective teachers and recreationists with the concepts of outdoor education. To better understand the use of personal leisure time in the out-of-doors. Prerequisite: HPER 234 or permission of Department Chair.
- HPER 437 Sport Law 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. Prerequisite: HPER 335.
- 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/539L. Prerequisite: HPER 122, 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 439/539.
- HPER 440 Prevention and Care of Athletic Injuries Credit 3 hours**
Knowledge and practice in the care of athletic injuries and physical conditioning.
- 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:
- Recreation: HPER 226, 234, and 333
 - Coaching: HPER 220, 335, and appropriate techniques courses (Note: Education students should not do their coaching internship while on Block or student teaching.)
 - 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 320 The Asian Cultural Realm Credit 3 hours**
East Asian realm of China, Japan, Korea, and Indochina is treated in political, social, economic, and cultural areas, including not only the indigenous development of traditional Confucian societies but also the dynamics of modernization as a result of the impact of the West.
- 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 the American West 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.

HONORS**HONS 101 Human Nature Credit 3 hrs.**

A study of philosophical, religious, scientific and literary explorations of ideas of human nature. Fulfills General Studies Program Humanities requirement.

HONS 200 Honors Seminar Credit 3 hrs.

Each spring the Honors Program will offer seminar sections devoted to themes and topics developed by faculty in disciplines across campus. The number of sections and the type of course offerings will change each spring. While students may complete the seminar at any time, it is recommended that they enroll prior to their Senior year. Students who are not in the Honors Program but who would like to enroll may do so, space permitting and with the instructor's permission. This course fulfills three hours of the General Studies Program Global and Social Awareness requirement.

HONS 201 Human Society Credit 3 hrs.

An examination of ideas about how humans might best live together with texts drawn from political philosophy, history, economics and literature. Fulfills three of the twelve hours of General Studies Program Government, or History requirement.

HONS 301 Human Knowledge Credit 3 hrs.

A study of ideas about what it means to know and how knowledge has been acquired in various academic disciplines. Fulfills the three hours of General Studies Program Reason and Values requirement.

HONS 401 Senior Thesis and Colloquium Credit 3 hrs.

Under the guidance of the Honors Director and a professor in their major, students complete a thesis in their area of study and present it publicly at an Honors colloquium held in the spring. Successful completion of the thesis and colloquium is required for all students wishing to graduate as Honors Scholar, Honors Scholar with Distinction, or Honors Scholar with High Distinction.

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 The Humanistic Tradition Credit 3 hours

The formal study of cultural ideas and values as they achieve expression through the arts and philosophy. Themes and topics may vary.

HUM 331 Popular Culture Credit 3 hours

The formal study of selected themes which are expressed in contemporary popular art forms.

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. Must be taken concurrently with HUM 334L.
- HUM 334L Introduction to Film Screening Laboratory** **Credit 1 hour**
Film screening. Must be taken concurrently with HUM 334.
- 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 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.

INDUSTRIAL TECHNOLOGY EDUCATION

- ITE 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.
- ITE 201 Cisco Advanced Routing** **Credit 3 hours**
Theory and application of advanced routing protocols for internetworking, including BGP, EIGRP, OSPF, and IS-IS. This is one of the four course series that prepares a student for the Cisco Certified Network Professional (CCNP) Certification. Prerequisite: CCNA (Cisco Certified Network Associate) Certificate, or CCNA courses 1-4, or permission of instructor. This course is cross-listed as IST 201.
- ITE 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.
- ITE 232 Manufacturing Processes and Systems** **Credit 3 hours**
Fundamentals of manufacturing processes, materials and systems. Includes discussion and application in material shearing, turning, machining, castings, forging, and welding. Special emphasis on material properties, new developments, material processing and trends in the manufacturing industry.
- ITE 235 Construction Processes and Systems** **Credit 3 hours**
Fundamentals of residential and commercial construction. Topics include site preparation, foundations, wood, steel, and masonry construction, roofing, finish, and architectural types. Special emphasis placed on safety, material usage, sustainability and alternative construction methods.
- ITE 237 Computer Aided Drafting (2-Dimension) – CAD (2-D)** **Credit 3 hours**
Fundamentals of computer aided drafting, theory of shape description, drawing conventions, dimensions, sections, assembly, and working drawings. Primary vehicle used for course is AutoCad software.
- ITE 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.

- ITE 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.
- ITE 301 Cisco Advanced Remote Access Credit 3 hours**
Design, operation and management of remote access networks, including WAN protocols such as ISDN, X.25, Frame-Relay and PPP on remote access networks. This is one of the four course series that prepares a student for the Cisco Certified Network Professional (CCNP) Certification. Prerequisites: IST/ITE 201 or permission of instructor. This course is cross-listed as IST 301.
- ITE 302 Cisco Advanced Multilayer Switching Credit 3 hours**
Design, operation and management of large scalable and reliable local area networks based on multiplayer switching. This is one of the four course series that prepares a student for the Cisco Certified Network Professional (CCNP) certification. Prerequisites: IST/ITE 301, or permission of instructor. This course is cross-listed as IST 302.
- ITE 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.
- ITE 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. Prerequisite: ITE 235 or permission of instructor.
- ITE 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 ITE 335a, students interested in mechanical systems take ITE 339e, students interested in electronics take ITE 345j and students interested in computer aided drafting take ITE 360k.
- ITE 336 Traffic Safety I Credit 3 hours**
Analysis of traffic accidents, attitude factors, essential knowledge of automobile operation, traffic rules and regulations, and the psychology of safety. Laboratory experiences in the use of psycho-physical testing equipment.
- ITE 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. Prerequisite: ITE 237 or permission of instructor.
- ITE 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. Prerequisite: ITE 239.
- ITE 341 Plant and Laboratory Design and Management 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.

ITE 345d Digital Electronics Credit 3 hours

Solid state devices, digital logic, number systems, and related topics that provide the foundations for digital computing and industrial logic control. Special emphasis is placed on understanding how diodes, transistors, and integrated circuits function. Students will also be introduced to amplifiers, converters, and filter circuits. Students learn by both discussion and experimentation in this course. Prerequisite: ITE 230.

ITE 345e Industrial Electronics Credit 3 hours

Application of digital and analog programmable logic controls as they are used in industrial settings. Students learn how personal computers work and also how to program these devices. Additional emphasis is also given to sensors and transducers that are used in an industrial environment. Students learn by both discussion and experimentation in this course. Prerequisite: ITE 230. Note: ITE 345d is strongly recommended.

ITE 345k Industrial and Commercial Wiring Credit 3 hours

Electrical wiring as it applies to commercial structures and industrial equipment. Prerequisite: ITE 230 or permission of instructor.

ITE 360b Residential and Commercial Planning Credit 3 hours

Advanced study in 2-D and 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 AutoCad, Architectural Desktop, and SolidWorks software programs. Prerequisites: ITE 237 and ITE 337 or permission of instructor.

ITE 360c Architectural Design Credit 3 hours

Advanced study in 2-D and 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. AutoCad, Architectural Desktop, and SolidWorks software programs are utilized in this course. Prerequisites: ITE 237 and ITE 337 or permission of instructor.

ITE 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. AutoCad, Architectural Desktop, and SolidWorks software programs are utilized in this course. Prerequisites: ITE 237 and ITE 337 or permission of instructor.

ITE 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 xeroscapes and sustainability of vegetation.

ITE 390 Internship in Industrial 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.

ITE 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: Industrial Technology Major and consent of advisor and dean.

ITE 402 Cisco Internetwork Troubleshooting Credit 3 hours

Complex networking problem-solving involving integrated LAN and WAN environments that include advanced routing protocols, remote access, internetworking and large or complex LAN configurations. This course is the culminating course in preparation for the Cisco Certified Network Professional (CCNP) Certification. This course is cross-listed as IST 402.

- ITE 432 Quality Assurance/Quality Control Credit 3 hours**
Quality Assurance in terms of its relationship to design, testing, manufacturing, and applications. Procedures and methods for quality control systems for manufacturing industries. Prerequisite: ITE 232 or ITE 233.
- ITE 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 industrial operations, systematic self inspections, and compliance procedures. Prerequisite: Junior status.
- ITE 434 Automated Manufacturing Credit 3 hours**
Concepts in computer integrated manufacturing. Experiences in communication of data via networks to CNC machines and robots will provide a foundation by applying those concepts to actual industrial situations. Prerequisites: ITE 230, 232, 239, 345e.
- ITE 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: ITE 235 and ITE 335 or permission of instructor.
- ITE 436 Traffic Safety II Credit 3 hours**
Effective principles, methods, and materials for use in organizing the teaching and administration of high school driver education programs. The student must be 19 years of age. The student will acquire competence in developing and projecting their skills and techniques through supervised teaching experiences. Prerequisite: ITE 336.
- ITE 437 Kinematics and Machine Design Credit 3 hours**
Analysis and design of machine elements: gearing, bearing, shafting, and friction devices. Dynamics of machinery including rectilinear and curvilinear motion, translation and rotation of a rigid body, force-acceleration equation, impulse and momentum, and balancing and vibration. Prerequisites: ITE 237 and ITE 337.
- ITE 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: ITE 239 and ITE 339, or permission of instructor.
- ITE 440 Topics in ITE Credit 1-3 hours**
Study of contemporary areas of ITE.

INFORMATION SCIENCE AND TECHNOLOGY

- IST 102 Cisco Networking Basics Credit 3 hours**
Introduction to network terminology and protocols, local-area networks (LANs), wide-area networks (WANs), Open System Interconnection (OSI) models, cabling, routers, Ethernet, Internet Protocol (IP) addressing, and network standards. This is one of the four course series that prepares a student for the Cisco Certified Network Associate (CCNA) certification.
- IST 110 Introductory Seminar Credit 3 hours**
Introduction to information systems, including basic applications, programming, and technology.
- IST 130 Introduction to Computer Applications Credit 3 hours**
Introduction to common practical uses of the personal computer including word processing, spreadsheet, data base, presentation, Internet, and electronic mail applications.

- IST 304 Cisco Switching Basics and Intermediate Routing Credit 3 hours**
Advanced IP addressing techniques, intermediate routing protocols, command-line interface configuration of switches, Ethernet switching, Virtual LANs, Spanning Tree Protocol, and VLAN Trunking Protocol. This is one of the four course series that prepares a student for the Cisco Certified Network Associate (CCNA) certification. Prerequisites: IST 102, 202.
- IST 305 Cisco WAN Technologies Credit 3 hours**
Advanced IP addressing techniques (Network Address Translation, Port Address Translation, Dynamic Host Control Protocol), and Wide Area Network technologies and terminology (PPP, ISDN, DDR, Frame Relay, network management). This is one of the four course series that prepares a student for the Cisco Certified Network Associate (CCNA) certification. Prerequisites: IST 102, 202, 304.
- IST 334 Web Server Administration Credit 3 hours**
Provides students with an in-depth knowledge of Web server administration. The material will cover initial system configuration, Web server installation, Web server configuration, administering the Web server, Web users and hosting accounts, automating user account management, security issues, and troubleshooting. Prerequisites: IST 133 or equivalent, IST 251 or equivalent.
- IST 335 Wireless Application Development Credit 3 hours**
Provides students with an in-depth knowledge of wireless application development. The material will cover a mobile agent's platforms and systems, including mobile agent-based service implementation, middleware and configuration. In addition, wireless local area networks, wireless protocols, network architecture supporting wireless applications, and routing protocols will be covered. Prerequisite: IST 230.
- IST 340 Human-Computer Interaction Credit 3 hours**
Provides a foundation for assessing usability by quantitative and qualitative methods. Students will conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. In addition, students will apply design processes and guidelines to develop professional, quality user interfaces. Prerequisites: IST 133 or equivalent, IST 230 or equivalent.
- IST 390 Internship in Information Science and Technology Credit 1-12 hours**
Provides practical experience in Information Science and Technology. Open to upper division students with course credit in Information Science and Technology. 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.
- IST 400 Independent Study Credit 1-3 hours**
Individual problems in a selected area of the general field of Information Science and Technology. Course can be repeated for up to 6 credit hours total. Prerequisite: Permission of instructor and School Dean.
- IST 402 Cisco Internetwork Troubleshooting Credit 3 hours**
Complex networking problem-solving involving integrated LAN and WAN environments that include advanced routing protocols, remote access, internetworking and large or complex LAN configurations. This course is the culminating course in preparation for the Cisco Certified Network Professional (CCNP) certification. Prerequisites: IST/ITE 201, 301, and 302. This course is cross-listed as ITE 402.
- IST 430 Topics in Information Science and Technology Credit 1-3 hours**
Special topics in the general field of Information Science and Technology are studied in-depth. Course can be repeated for up to 6 credit hours total. Prerequisites: IST 133 and appropriate background for topics covered.
- IST 431 Computer Networks Credit 3 hours**
In-depth study of modern computer networks, including analog and digital data and signals, asynchronous and synchronous transmission, circuit switching and packet switching, local and metropolitan area networks, networking, ISDN, and frame relay and cell relay. Prerequisite: IST 133.

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.

MANAGEMENT INFORMATION SYSTEMS

- MIS 130 Principles of Information Systems Credit 3 hours**
Information systems concepts and principles applied to business uses of technology. Conceptual areas include: systems and modeling, hardware/software, data organization and information, networks and telecommunications, business information systems, and systems development.
- MIS 160 Topics in MIS Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in MIS.
- MIS 235 Business Programming Credit 3 hours**
Introduction to intermediate level programming techniques including both traditional structured design and elements of web programming. Concepts are studied through the development of common business-oriented applications within an interactive development environment, emphasizing testing and debugging techniques.
- MIS 330 Applied Information Processing Credit 3 hours**
Development of proper techniques in word processing using current software applications; practical application of various information processing tools, such as telecommunications, network utilities, multi-media, and desktop publishing; development of organizational decision making skills; and creation of a portfolio (MIS).
- MIS 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. Prerequisite: MIS 130 or equivalent.
- MIS 332 Decision Support for Managers Credit 3 hours**
Designed to prepare students to effectively and efficiently use an integrated software package in order to improve personal and professional productivity. Prerequisite: IS 130 or equivalent.
- MIS 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.
- MIS 430 Project Management Credit 3 hours**
This course will introduce 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.
- MIS 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. Prerequisites: MIS 130 and 235 or equivalencies.
- MIS 460 Topics in MIS Credit 1-3 hours**
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in MIS.

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

This course will explore 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

This course 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.

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 apportionment, elections, networks, and elementary matrix operations. 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 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. Cross-listed as AHIS 231.

MS 231 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. Cross-listed as AHIS 330.

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. Cross-listed as AHIS 331.

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. Cross-listed as AHIS 333.

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 Community Chorus Credit 1 hour

Open to all students and community members without audition. This choir performs a wide array of literature and often combines with the Bordeaux Community Band for concerts.

MUS 017 Opera Workshop Credit 1 hour

Open to all students who qualify by audition.

MUS 018 Community Band Credit 1 hour

Open to all students and community members. This ensemble gives a minimum of one concert performance each semester.

MUS 101 Student Recital No Credit

Registration is required each semester for music majors and minors, and students enrolled in private instruction.

- MUS 102 Wind Ensemble 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**
Participation in music ensembles is open to all qualified students. Students must audition.
- 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 115 Private Instruction Credit 2 hours**
Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments. The degree requirements in MUS 115 can only be satisfied by private lessons on your private instrument or voice. Student must enroll simultaneously in MUS 101 Student Recital. Prerequisite: MUS 131 or instructor permission.
- MUS 116 Introduction to Piano Class 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. 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.
- 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**
The melodic, rhythmic, and harmonic elements of music are studied in an integrated plan through listening, singing, writing, playing, and dictation. Must be taken concurrently with MUS 131L.
- MUS 131L Theory I Laboratory Credit 1 hour**
Ear training and sight-singing coordinated with the course material in Music 131 Theory I. Must be taken concurrently with MUS 131.
- MUS 132 Theory II Credit 3 hours**
Continuation of MUS 131. Must be taken concurrently with MUS 132L. Prerequisite: MUS 131.
- MUS 132L Theory II Laboratory Credit 1 hour**
Ear training and sight-singing coordinated with the course material in MUS 132 Theory II. Must be taken concurrently with MUS 132.
- MUS 215 Voice Class Credit 1 hour**
Beginning vocal instruction and master class for non music majors. Includes a study of vocal techniques and their application in selected vocal literature.
- 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 231 Theory III Credit 3 hours**
Advanced study of music theory through analysis of existing music compositions. Ear training, sight-singing, and composition are incorporated in the course. Must be taken concurrently with MUS 231L. Prerequisite: MUS 132.
- MUS 231L Theory III Laboratory Credit 1 hour**
Ear training and sight-singing coordinated with the course material in MUS 213 Theory III. Must be taken concurrently with MUS 231.
- MUS 232 Theory IV Credit 3 hours**
Continuation of MUS 231. Must be taken concurrently with MUS 232L. Prerequisite: MUS 231.

- MUS 232L Theory IV Laboratory Credit 1 hour**
Ear training and sight-singing coordinated with the course material in MUS 232. 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 302 Wind Ensemble 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**
Participation in music ensembles is open to all qualified students. Students must audition.
- 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 Instruction Credit 1 hour**
Continuation of MUS 115. Student must enroll simultaneously in MUS 101 Student Recital. The degree requirements in MUS 315 can only be satisfied by private lessons on your private instrument or voice. Prerequisite: Successful completion of qualifying examination on the instrument.
- 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 Studio Operations I 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 Piano Studio Operations II 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.
- MUS 322 Instrumental Conducting Credit 2 hours**
Techniques of conducting instrumental organizations and the study of instrumental literature.
- 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 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 327 Junior Recital** **Credit 1 hour**
The junior recital is a requirement of the B. A. in Music Performance. Instructor permission required.
- 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 331 Teaching Music in the Elementary Schools** **Credit 3 hours**
Provides opportunities for students to develop a philosophy towards, an understanding of, and implementation of materials and methodologies pertaining to the teaching of general music and instrumental music in the elementary schools. For music majors.
- MUS 332 Teaching Music in the Secondary Schools** **Credit 3 hours**
Provides opportunities for students to develop a philosophy towards, an understanding of, and implementation of materials and methodologies pertaining to the teaching of general music, vocal music, and instrumental music in the secondary schools. For music majors.
- 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 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 Senior Recital** **Credit 1 hour**
The final semester of private instruction culminating with the required senior recital. Credit is given on a pass or fail basis. Instructor approval required.
- 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.
- 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. Sixty educational pieces will be pedagogically analyzed, prepared, and performed by the student.
- 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. Students will develop exercises to aid in teaching theoretical concepts at four different levels (in accordance with standards set by the Nebraska Music Teachers Association). "Music Ace" and "Music Ace 2" will be used primarily to reinforce those theoretical concepts. Students will be required to demonstrate a progressive sequence of techniques from beginning through the early-advanced levels.
- MUS 426 Music History I** **Credit 2 hours**
Survey of the development of musical style from Antiquity to the Late Renaissance through analysis, listening, reading, and writing.
- MUS 427 Music History II** **Credit 3 hours**
Continuation of MUS 426. Survey of the development of musical style from early Baroque to the Classical Period through score analysis, listening, reading, and writing.
- MUS 428 Music History III** **Credit 3 hours**
Continuation of MUS 427. Survey of the development of musical style from Early Romantic to the present through score analysis, listening, reading, and writing.
- 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 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.

PHILOSOPHY

- PHIL 231 Introduction to Philosophy** **Credit 3 hours**
 A study of traditional and contemporary approaches to major philosophical issues.
- 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.

PHYSICS

- PHYS 110 Careers in Science** **Credit 1 hour**
 Introduction for Physical Sciences majors to career options. Students will conduct independent research of selected firms or agencies. A required field trip to a major metropolitan area will provide knowledge of opportunities and challenges of the technical job market.
- 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 151.
- 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: MATH 151 and 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**
Exercises 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 252.
- 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 1-3 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 421 Contemporary Political Ideologies Credit 3 hours

Most important contemporary political ideologies will be examined, with an emphasis upon those most prevalent in the United States. Central ideologies discussed will include social conservatism, libertarianism, and populism.

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 432 The Legislative Process Credit 3 hours

Analysis of the legislative process in Congress and American state legislatures. Emphasis on statute-law making, oversight of the executive and representative function of the legislature, concurrent with an examination of decision-making, and legislative norms and roles.

PS 435 The Presidency Credit 3 hours

This course examines the institutional development of the Presidency. Special emphasis is placed on presidential decision making, presidential leadership, and the growth of executive power.

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 past and contemporary perspectives and research findings in sensation and perception, motivation and emotion, learning and memory, thinking and intelligence, and sex and gender issues. Theoretical perspectives and research findings in developmental, abnormal, social, health, and industrial/organizational 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 238 Introduction to Behavioral Statistics Credit 3 hours

An introduction to the concepts and procedures of statistics with an emphasis on applications and research in behavioral sciences. 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 331 Social Psychology Credit 3 hours

Scientific study of the impact of social influence on human thought and behavior. Students are introduced to research methods and general theoretical approaches. 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

Introduction to the research cycle 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 238.

PSYC 433 Abnormal Psychology Credit 3 hours

Introduction of abnormal psychology. 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 437 Case Management and Interviewing Model Credit 3 hours

Instruction and practice in case planning and management as well as counseling and problem solving skills. Ethical and legal implications in clinical work will be presented. 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 238.

PSYC 439 Group Processes Credit 3 hours
Practice and theory supporting group work of many types taught through lectures and experiences. Prerequisite for psychology majors: PSYC 131.

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 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.

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. Discusses the Social Work Code of Ethics. Students engage in personal values clarification.
- 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.
- 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, and joining behaviors. 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.
- SW 330 Diversity in the Rural Environment Credit 4 hours**
Examines 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 of rural communities and issues of accommodation, acculturation, and assimilation. Prerequisite: Admission to Professional Social Work Program.
- SW 331 Services to Children and Families Credit 3 hours**
Needs of children and families and services appropriate to satisfy these needs. Focuses on causes of difficulties, strategies for treatment, and family therapy within a multi-cultural perspective. An extended field trip to agencies will provide an opportunity for on-site observation.
- SW 332 Services to Elderly and Differently Abled Credit 3 hours**
Needs of the elderly as well as the physically and mentally differently abled. Current services and alternatives will be considered. 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 context of social service interventions, current areas of need, and skills 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 interventive 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. Critiques of research articles and application of existing Social Work knowledge and empirical research to design interventions with individuals, families, groups, communities, and organizations. Students apply knowledge and skills through individual and group projects. Pre-requisite: Statistics Course; Pre-or Co-requisite: SW 337, 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. Co-requisite: SW 343.

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 skills in professional use of self in various interpersonal situations, such as, professional interviewing. personal assertiveness, dealing with power and authority differentials, negotiating within various types of professional relationships, and using persuasion. Students in small groups videotape role plays and individually complete programmed learning exercises. Pre-requisite: Admission to the Professional Social Work Program.

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 the strength's perspective. The course content includes: approaches to assessment, planning, implementation, and evaluation. Specific emphasis is given to Social Work considerations of diversity when working with individuals and families. Pre-requisite: Admission to Social Work Program; Pre- or Co-requisite: SW 431.

SW 433 Methods II: Therapeutic and Task Groups Credit 3 hours

Examines a broad Rangeland of groups, with emphasis on group theory, the nature and uses of therapeutic and task groups, including: group development, group dynamics, group facilitation skills, group assessments and outcomes. Students apply knowledge, skills, and values in simulations and role plays with emphasis on assessment, design, and interventions with multi-cultural individuals, families, organizations and communities. 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. 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 complete a policy analysis of a national policy with local relevance, recommend proposed changes, and identify strategies for changing social welfare policies and practices. Pre-or 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 complete organizational and community assessments, identify change targets, propose strategies and tactics for creating change. Pre- or 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. Pre-or 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 social work program knowledge, skill and value objectives. Students complete a 40 hour orientation to assigned field agency. Pre-or 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. Prerequisite: Formal acceptance into the Field Program; 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 knowledge, skills, and values of a beginning generalist Social Work Professional. Students should enroll for 10 credit hours and expect to work 40 hours per week for the semester. In special situations and with the approval of the Field Coordinator, a student may register for 5 credit hours in each of two consecutive semesters and expect to work 20 hours per week. May be repeated to a total of 10 credit hours. Prerequisite: Formal acceptance into the Field Program; 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 333 Marriage and the Family Credit 3 hours**
A study of relations in dating, courtship, marriage, and parenting. Includes focus on the life cycle, conflict and divorce, sex, and non-traditional relationships.
- SOC 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 PS 334.
- SOC 335 Ethnic and Minority Group Relations Credit 3 hours**
Analyzes relations of minority groups and dominant groups in the United States and selected other countries. Theories and research findings are included. Field trips may be required.
- SOC 336 The Sociology of Religion Credit 3 hours**
Sociological study of religion including questions of the relations between religion and other social institutions, and the function of religious beliefs and practices for the individual, groups, and society.
- SOC 337 Community Structure and Change Credit 3 hours**
Study of rural and urban communities. Includes focus on social and spatial characteristics, community change, and planning. Includes field trips. Cross-listed as GEOG 337.
- 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.
- SOC 340 Social Change Credit 3 hours**
Examines theories of social change and selected cases of social change, including revolutions, social movements, collective behavior, and social activism. Course requirements include individual or group participation in some effort to bring about social change.
- SOC 343 Research Methodology Credit 3 hours**
Logic, design, and procedures of social research including questionnaire design and analysis, evaluation research, field research, participant observation, single case design, and experimental design. Students will conduct quantitative and qualitative research.
- SOC 390 Internship in Sociology Credit 1-12 hours**
Provides practical experience in a setting relevant to the discipline of sociology. Open to upper division students pursuing a major or minor in sociology. 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.
- SOC 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.
- SOC 430 Topics in Sociology Credit 3 hours**
Special topics in Sociology. May be repeated with a change of emphasis.

SOC 433 Sociological Theory Credit 3 hours
Sociological thought primarily from the 18th century to the present, with emphasis on selected classical theorists and major contemporary theories.

SOC 439 Sociology of Deviance Credit 3 hour
Examination of deviant behavior as an element of the social world, including focus on patterns of non-criminal as well as criminal deviance, and on explanations of deviant behavior.

SPANISH

SPAN 101 Beginning Spanish I Credit 4 hours
Introduction to Spanish with the purpose of developing intelligent recognition and imaginative self-expression in the language. Total immersion in the Spanish language with the goal of learning several basic grammatical tenses, building vocabulary and becoming familiar with important aspects of Peninsular and Latin American culture

SPAN 102 Beginning Spanish II Credit 4 hours
A continuation of SPAN 101 with an increased emphasis on oral expression and aural comprehension. Audio-lingual abilities and cultural knowledge are reinforced by additional reading, writing and oral presentations in Spanish. Prerequisite: SPAN 101 or a score of 70% or higher on the Spanish placement exam.

SPAN 201 Intermediate Spanish I Credit 4 hours
Further work in spontaneous and controlled conversation skills, increased cultural awareness and improved reading and writing fluency. Prerequisite: SPAN 102 or a score of 80% or higher on the Spanish placement exam.

SPAN 202 Intermediate Spanish Conversation and Composition Credit 3 hours
A continuation of SPAN 201 with an increased emphasis on oral fluency. Reading and writing skills are improved as students engage with audiovisual and print materials created for native Spanish-speaking audiences. Prerequisite: SPAN 201 or a score of 90% or higher on the Spanish placement exam.

SPAN 233C Intermediate Culture Colloquium Credit 1 hour
An interactive colloquium which gives students the opportunity to work together in small groups as they complete creative group and individual projects and assignments that engage their Spanish listening, speaking, reading and writing skills. Repeatable for up to 2 credit hours.

SPAN 238 Study Abroad Program Credit 3 hours
Intense exposure to the Spanish 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 four week residence in a Spanish speaking country.

SPAN 301 Survey of Latin American Literature and Cultures I Credit 3 hours
Overview of cultural history of Latin America from pre-colombian civilizations to the colonial period. Explores foundations of cultural and literary traditions to 1770.

SPAN 302 Survey of Latin American Literature and Cultures II Credit 3 hours
Survey of Latin American literature from colonial times to the present.

SPAN 333C Advanced Culture Colloquium Credit 1 hour
An interactive colloquium which gives advanced students the opportunity to work together in small groups as they complete several creative projects that engage their Spanish listening, speaking, reading and writing skills. Repeatable for up to 2 credit hours.

SPAN 334 Advanced Spanish Composition and Grammar Credit 3 hours
Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted through course materials, lectures and activities.

SPAN 335 Advances Spanish Conversation Credit 3 hours

Further development of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation and increase vocabulary. Individual and/or group oral presentations.

SPAN 336 Spanish Life, Society and Literature Credit 3 hours

Culture, literature and civilization of Spain from the arrival of the Bourbon monarchy until the present day through the study of art, literature, historical documents, etc.

SPAN 390 Internship in Spanish Credit 1-12 hours

Internships will be done within the environment of a Spanish language experience. 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.

SPAN 400 Independent Study or Research Credit 1-3 hours

Open to students who wish to do advanced work in a special field of Spanish. Conferences to be arranged. Permission of Instructor and Dean is required.

SPAN 430 Advanced Topics in Spanish Credit 1-3 hours

An advanced study of different topics of special interest, taught in Spanish. Prerequisite: One 300 level Spanish course.

SPAN 438 Advanced Summer Program Abroad Credit 3 hours

Intense exposure to the Spanish 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 four week residence in a Spanish speaking country. Repeatable for up to 6 credit hours.

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 231 Survey of Effects of Mild/Moderate Disabilities Credit 3 hours

Examines the academic, social, vocational, adaptive and behavioral characteristics and related needs of persons with mild/moderate levels of exceptionalities (including gifted and talented). Emphasis is on the identification, diagnosis, and instructional needs of learners with exceptionalities. Prerequisite: SPED 230.

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 and 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. Prerequisite: SPED 335.

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. Prerequisite: SPED 335.

SPED 331 Behavior Interventions Credit 3 hours

Behavior management theories for individuals and groups are compared with and contrasted to behavioral theory. The focus is on behavior and behavior modification strategies or techniques that will facilitate behavior change. The emphasis is how the behavior change can help in academic production, time management, classroom routines, social participation, and character development. This course will help the special education teacher better serve the school district by gaining training in behavior modification and being able to develop Functional Behavioral Assessments for students within the school environment.

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.

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, 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. Prerequisites: SPED 316e or 316s.

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 (a) a background of laws leading up to IDEA & "Least Restrictive Environment requirements, (b) a working knowledge of IDEA and related amendments, (c) classroom management & inclusive behavior interventions, (d) techniques/strategies in adapting curriculum for all students, including those with special needs, and (e) setting or beginning exclusionary practices.

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 four (4) hours.

TH 134 Principles of Acting Credit 3 hours

Study of the principles and techniques of acting with practice in improvisation, monologues, 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 to theatrical characters.

TH 224 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 and explorations of movement techniques in character development.

- 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 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 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 Chair required. Areas of emphasis may include stage combat, scene painting, and acting for the camera.
- TH 437 Directing for the Stage** **Credit 3 hours**
Study of the theories and techniques of stage direction. Student will direct a one-act play. Prerequisites: TH 237 and permission of the Instructor and Chair.
- 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.



CHADRON STATE COLLEGE GRADUATE PROGRAMS

MASTER'S DEGREE PROGRAMS OF STUDY

The Master of Arts in Education is offered to students interested in:

1. Community Counseling
2. History
3. Science/Mathematics

The Master of Business Administration is offered to individuals interested in:

1. Business Administration

The Master of Education degree is offered for students interested in:

1. Curriculum and Instruction - Elementary
Field Option (Concentration in Subject Area)

Language Arts	Science
Mathematics	Social Science
Physical Education	Special Education
Reading	
2. Curriculum and Instruction - Secondary

Business Education	Mathematics
Career and Technical Education	Physical Education
Education	Reading
Educational Technology	Social Science
Industrial Technology	Science
3. Educational Administration – Elem/Middle/Sec
4. Educational Administration – Special Education Curriculum Supervisor
5. School Counseling

The Master of Science in Organizational Management degree is offered to individuals interested in :

1. Human Services
2. Natural Resources
3. Sports Management

A non-degree graduate program offering is available to students interested in the Reading Specialist endorsement.

The Specialist in Education degree is offered to students interested in:

1. Superintendent of Schools

PURPOSE

The primary purpose of the graduate program at Chadron State College is to provide opportunities for elementary and secondary teachers, administrators, counselors, business persons, and others to further their education so that they might be better qualified to fulfill their personal, occupational, and professional goals.

The program is established primarily for candidates for the degrees Master of Education, Master of Arts in Education, Master of Business Administration, Master of Science in Organizational Management, but some courses are open to unclassified students not intending to complete work toward a master's or a specialist degree.

All courses on the graduate level shall require of students greater intellectual effort, more independence in reading and investigation, and more constructive thinking than do the undergraduate courses offered for the baccalaureate degree.

OBJECTIVES

The specific learning objectives of the graduate program are as follows:

- Students will acquire and be able to apply principle qualities of leadership.
- Students will obtain a broader and deeper knowledge base, both within their field of specialization and in broader areas, to increase their professional effectiveness.
- Students will gain intellectual stimulation and foundations for more advanced study.
- Students will understand and apply research techniques to interpret current thinking and practices in their fields of specialization.
- Candidates will understand the nature and significance of research, and have opportunities to apply research techniques.
- Students will be provided with a rigorous core program of advanced courses in a flexible arrangement to meet their individual needs.
- Students will be prepared for professional positions in education, business, counseling, and other areas.

GRADUATE COUNCIL AND FACULTY

The Graduate Council is responsible to the college administration for directing the graduate program under the regulations of the Board of Trustees of the Nebraska State Colleges. This Council, on behalf of the Graduate Faculty, supervises all graduate work in the college, establishes policy, and recommends to the President all candidates for conferring of graduate degrees.

Graduate faculty members may teach graduate courses, supervise and serve on supervisory committees for students working toward post-baccalaureate degrees, vote on all matters presented to the Graduate Faculty, serve on the Graduate Council, and vote on nominations to the Graduate Council.

GRADUATE COMMITTEE

A Contact Advisor will be assigned for initial advising before a student is accepted for graduate study. This advisor will assist the student in obtaining a Program Advisor in the area(s) of concentration after they have been accepted into a program. The program advisor will be sent the Advisor Appointment Form by the Graduate Office. After the Program Advisor is appointed, a Graduate Committee should be selected in consultation with the student and the Program Advisor. The Graduate Committee will consult with the student on the "Plan of Study" and conduct the Oral Examination.

ASSESSMENT

Chadron State College is committed to the improvement of teaching and learning, as part of a continual effort to monitor institutional effectiveness. This effort includes the assessment of student academic achievement as made evident by nationally normed examinations; capstone courses; demonstrations of acquired proficiency in disciplinary-based skills; development of portfolios; oral examinations; surveys of students and alumni; and other assessment measures. The College requires all graduate students to participate in the assessment program for the duration of their enrollment.



GRADUATE ADMISSION POLICIES

Prior to being considered for “Graduate Study,” all students must hold an earned baccalaureate degree from a regionally accredited institution of higher education. Students seeking the Master of Arts in Education (M.A.E.), or Master of Education (M.E.), and Master of Science (M.S.) will be required to submit an application. Students interested in science programs will be required to attain required scores on the Graduate Record Examination (GRE) General Test. Those seeking the Master of Business Administration Degree (M.B.A.) will be required to submit an application, attain required scores (see formula under M.B.A. requirements) on the Graduate Management Aptitude Test (GMAT), and meet other stipulated entrance requirements.

Students taking graduate coursework belong in one of two categories:

1. **Degree-Seeking Graduate Student**: A student pursuing a program of study leading to an advanced degree is considered to be a degree-seeking graduate student. To be classified as a degree-seeking graduate student, the student must have applied and been accepted for admission to graduate study.
2. **Non-Degree Seeking Graduate Student** or professional development student: The student who does not wish to pursue a degree, who is not permitted to do so, or has not yet met the requirements for admission to graduate study is classified as a non-degree seeking graduate student. A student in this classification may take graduate courses for purposes such as certification, self-improvement, or employment requirements. The non-degree seeking graduate student must meet stated admission requirements, file a petition with the Graduate Office, and be approved by the Dean of Graduate Studies. Limited hours completed by a non-degree seeking student may apply toward a degree program.

Undergraduate students must obtain permission to take graduate classes. Petition forms are available from the Graduate Office.

The following prerequisites exist for students taking graduate coursework:

Course Level	Prerequisite
500 level	Completion of a baccalaureate degree or within 16 credit hours of completion .
600 level	Completion of a baccalaureate degree
700 level	Completion of or within 12 semester hours of completing a master’s degree. A student may complete no more than 6 semester hours of 700 level coursework prior to completing a master’s degree.

In the student’s program leading toward any master’s degree there are **four** important steps to be followed:

1. Admission to graduate study
2. Admission to graduate status
3. Application for oral examination
4. Application for graduation

Students must apply for each step by completing the appropriate forms, which are available from the Graduate Office. After submission of appropriate forms each graduate student will be notified officially in writing concerning his/her admission or failure to be admitted at each of the four steps.

ADMISSION TO GRADUATE STUDY

Admission requirements are specific to the Degree program being sought, and are listed under the respective degree programs. Deadline for admission to the graduate study program is April 1 for the summer and fall terms, and October 1 for the spring term.

ADMISSION TO GRADUATE STATUS (FOR ALL MASTER'S DEGREES)

After being accepted for graduate study and between 9 and 18 hours into a program, the prospective candidate for the master's degree should make application for admission to graduate status. At this time the student must:

1. Have earned at least nine hours of Chadron State College graduate credit with a 3.0 grade point average or higher.
2. Prepare and submit a "Plan of Graduate Study," signed by the program advisor and committee, to the Graduate Office for approval.

The program advisor is to inform the Graduate Office of any deficiencies the student may have in the areas of concentration, usage of the English language, and in teaching or other appropriate employment experience. The advisor will present written recommendations for admission of the student to Graduate Status or for removal of deficiencies.

APPLICATION FOR ORAL EXAMINATION (FOR ALL MASTER'S DEGREES)

All candidates for all master's degrees are required to pass a final oral examination in their area of concentration. Students choosing the thesis or scholarly project paper option will have questions relating to the thesis or scholarly project paper included in this examination.

Following successful completion of the oral examination, approval forms will be signed by the student's committee and presented to the Dean of Graduate Studies.

APPLICATION FOR GRADUATION AND CONFERRING OF DEGREE (FOR ALL MASTER'S DEGREES)

The formal application for the degree should be filed with the Dean of Graduate Studies at the beginning of the term prior to which the student expects to graduate. Candidates who plan to complete requirements for graduation in December must file formal application prior to April 15. Those who plan to graduate in the spring must file prior to November 15. Those students who plan to complete their degree during the summer and officially graduate in December must file prior to June 1. Application forms are available in the Graduate Office. At the time the application is submitted all indebtedness to the College and the graduation fee must be paid.

Graduate degrees will be conferred upon successful candidates at the spring or winter commencement.

INTERNATIONAL STUDENTS

Qualified students from other countries are welcome to apply for admission to Chadron State College. Inquiries concerning international undergraduate student admission may be directed to the Admissions Office or the Multicultural and International Services Coordinator in the office of Extended Campus Programs in Crites Hall.

International students **must** fulfill the procedures below:

- Complete the International Student Application form and submit the non-refundable admission/matriculation fee in U.S. dollars to the Admissions Office. 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.
- Demonstrate competency in the English language by providing 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 and a minimum score of 213 is required for those taking the computerized test.
- Provide evidence of capability to finance a program of study without assistance from Chadron State College.

- Provide own insurance protection covering hospital and medical expenses, evacuation, and repatriation. Proof of adequate coverage must be supplied to Chadron State College 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 are available for qualifying students. Contact the Health Services office in Crites Hall for more information.
- The International student must provide recommendations from other instructors, sponsors, or other persons who may be responsible for the applicant. These recommendations should be completed on the recommendation forms provided by the Graduate Office on the Chadron State College campus. These forms are to be returned to the Graduate Office.
- Issuance of the Certificate of Eligibility, Form I-20, will be made only upon completion of all admission requirements. The applicant assumes full responsibility to make all necessary arrangements through official channels for entrance into the United States.

STUDENT REGISTRATION

ADVISING

Although the student is responsible for meeting all conditions and requirements of Chadron State College, faculty engage in program advising to assist students in attaining their academic goals.

CLASS REGISTRATION

Responsibility for planning one's course of study and for the fulfillment of all requirements and regulations lies with the student. The College General Bulletin is the authoritative source of information on program and graduation requirements and regulations. Program advisors are assigned to aid the student in understanding the requirements and in planning his/her academic program.

Registration days are specified in the published class schedules. Students are encouraged to register for classes during the early enrollment period to ensure course availability. The College reserves the right to cancel courses with low enrollment. Furthermore, the College reserves the right to modify the published schedule without prior notice.

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 complete a petition to the Dean of Graduate Studies. (Forms are available in the Graduate Office.)

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 or are within 12 hours of completing the Masters degree.

Course Load

A full load during the Fall and Spring Semester is considered to be nine graduate semester hours. During the Fall and Spring terms, twelve semester hours of graduate coursework is considered the maximum load without receiving permission from the Dean of Graduate Studies.

The maximum load for a full-time resident graduate student during each summer session is six semester hours.

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. An audited class does not count toward any graduation requirements at Chadron State College 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. However, 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 who audit one course per semester on a space-available basis may petition for a waiver of tuition for that course. Fees will not be waived. Self-paced study (correspondence), private lessons, and other courses with no available space are not available for this program. Waiver forms are available from the Assistant Vice President for Enrollment Management in Crites Hall.

Changes of Registration and Withdrawal

Any change of registration must be initiated by the student at the Graduate Office. The effective date of the change is the date on which the completed forms are processed by the Graduate Office.

1. Adding or withdrawing from classes during the drop-add period: During the first five days of a 16 week term, the first three days of an eight (8) week session and during the first two days of a summer session, a student may add or drop courses without academic penalty.
2. Withdrawing from classes: A student who withdraws from a course after the 100% refund period but before the end of the eleventh full week (or before the midterm of a non-semester offering) receives a grade of W. This grade is not computed into the grade point average. After the eleventh week (or after the midterm of a non-semester offering) a student may not withdraw and a grade other than W must be recorded.
3. Withdrawing from the College: A student who withdraws from the College after the 100% refund period but before the end of the eleventh week (or before the midterm of a non-semester offering) will receive a grade of W for each course. A student who withdraws from the College after the eleventh week (or after the midterm of a non-semester offering) will receive a grade of W for courses the student is passing and F for courses the student is failing.

TUITION, FEES AND FINANCIAL AID

COST AND REFUND

The Board of Trustees for the Nebraska State Colleges has established a schedule of tuition and fees to be charged by the State Colleges. This may be obtained from the Business Office.

Refunds on tuition for the academic year are pro-rated, based on a schedule available in the Business Office. Students who are recipients of Title IV funds will be subject to the student refund procedure requirements of the Higher Education Authorization Act of 1998. Details regarding this requirement are available at both the Business Office and the Financial Aid Office.

FINANCIAL AID

Financial aid is available for those seeking a degree or teacher certificate program from Chadron State College. 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 for financial assistance will provide consideration for the Stafford Loan, Perkins Loan, Work Study, and the Supplemental Loan for Students. Contact the Financial Aid Office for further information.

GRADUATE ASSISTANTSHIPS

A limited number of Graduate Assistantships, which cover tuition and provide a stipend, are available for students enrolled in a graduate degree program. Assistantships offer assignments designed to provide opportunities for supervised educational experiences at the graduate level. Students interested in Graduate Assistantships should contact the Graduate Office for further information and application forms. Graduate assistants must maintain full time status while serving as assistants.

NON-RESIDENT CLASSIFICATION FOR ADMISSION AND FEE ASSESSMENT

The statutes of Nebraska provide that all state educational institutions shall charge a non-resident fee for each non-resident of Nebraska who matriculates at any state institution policies, based upon evidence provided in the Application for Admission and related documents. Additional written documents, affidavits, verification, or other evidence may be required as deemed necessary to establish the status of an applicant. The burden of establishing exemption from non-resident fees is the responsibility of the student. Erroneous classification as a resident or willful evasion of non-resident fees may result in disciplinary action, which may include dismissal as well as payment of required fees 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 for Residency Classification 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 shall 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 in which the change is approved.

STUDENT ACADEMIC PERFORMANCE

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 | — Incompletes indicates some portion of the student's work is unfinished due to a justifiable reason. Issued at the discretion of the faculty member and academic School Dean, the "I" is replaced with a grade when the work is completed. If a grade is not submitted within twelve months or a shorter time frame as specified on the Request for an Incomplete Form completed by the instructor and student, the grade of incomplete remains permanently on the record (effective August 26, 1974). |
| 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 |

With the exception of the Thesis or Scholarly Project, students have one year to complete a course and have an "I" changed to a letter grade. After such time, the "I" becomes permanent and may not be removed. The "IP" is issued only when the course is still in progress at grade reporting time.

No grade of “C” or lower may be transferred into a graduate program from other institutions. Additionally, grades of pass/fail or satisfactory/unsatisfactory are not accepted on a graduate program. A maximum of six hours of “C” are permitted in any graduate program. No grade of “D”, “F”, “I”, “W”, “AU”, or “IP” will count toward meeting graduation requirements.

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.

STANDARDS OF SCHOLARSHIP

Master’s Degree

An average grade of 3.0 (B) is required on all work presented in fulfillment of the requirements for the master’s degree. Not more than six semester hours of graduate work with a grade of “C” will be accepted. The candidate must have established an academic average of at least 3.0 (B) for the entire graduate program, which shall not exceed six semester hours beyond the approved program.

No grade lower than “C” will be accepted for graduate study toward the master’s degree. A graduate student who has not demonstrated the ability to do satisfactory work following one semester or two summer terms may, upon the recommendation of the major professor and with the concurrence of the Graduate Dean and/or Council, be requested to withdraw from the program.

Specialist Degree

The candidate must have established an academic average of at least 3.25 for the entire Specialist program, which shall not exceed six semester hours beyond the approved program. Not more than six semester hours of graduate work with a grade of "C" will be accepted toward the Specialist degree. No grade lower than "C" will be accepted for graduate study toward the Specialist degree. A graduate student who has not demonstrated the ability to do satisfactory work, following one semester or two summer terms may, upon the recommendation of the advisor and with the concurrence of the Graduate Council, be requested to withdraw from the program.

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 recommended to seek the advice of instructors as to the proper procedures to avoid such violations.

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 significantly 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.

PETITION FOR WAIVER OR EXCEPTION OF COLLEGE ACADEMIC REGULATIONS

Any request for waiver or exception to the graduate academic policies and regulations stated in the Chadron State College General Bulletin must be submitted as a written petition to the Office of the Dean of Graduate Studies. Consideration will be given to the petition by the Graduate Council, Graduate Dean, or Vice President, as appropriate. A written response will be returned to the petitioning student.

Appeals of decisions pertaining to a graduate student's program may be initiated by the student and addressed to the Dean of Graduate Studies.

The student should submit a dated and signed letter which addresses:

1. What decision is being appealed.
2. Date of decision being appealed.
3. Justification for the appeal.
4. Desired outcome.

If the student is not satisfied with the decision, then the formal Grievance Procedure may be utilized, if appropriate.

GENERAL GRADUATE PROGRAM REQUIREMENTS

PROGRAMS OF STUDY

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

Master of Arts in Education
Master of Business Administration
Master of Education
Master of Science in Organizational Management
Specialist in Education

REGULATIONS GOVERNING GRADUATION

The following regulations apply to graduation from all graduate programs.

1. **Course application toward graduation**
 - a. Credit earned by correspondence (self paced) study will not be accepted in fulfilling requirements for a master's or specialist degree.
 - b. No coursework carrying the INS (inservice) prefix may be applied toward a master's or specialist degree.

- c. A graduate student may apply up to six semester hours of coursework taken on an independent study basis toward a master's degree or a specialist degree program.
- 2. Transfer of Credit**
- a. Master's Degree: A maximum of nine semester hours graduate credit may be transferred from other approved colleges or universities with the exception that 18 semester hours may be transferred from the University of Nebraska-Lincoln toward the Master of Business Administration degree. All transfer credit must carry a grade of "B" or higher. Transfer credit with grades of "P" or "S" will not be accepted. Acceptance of transfer credit is contingent upon approval of the Graduate Committee, Dean of Graduate Studies, and the Graduate Council. Transfer credit may not be counted toward meeting the minimum residence requirement.
- b. Specialist Degree: A maximum of nine semester hours graduate credit may be transferred from other approved colleges or universities. All transfer credit must carry a grade of "B" or higher. Transfer credit with grades of "P" or "S" will not be accepted. Acceptance of transfer credit is contingent upon approval of the graduate committee, Dean of Graduate Studies, and the Graduate Council. Transfer credit may not be counted toward meeting the minimum residence requirement.
- 3. Time Limit on Coursework**
- a. Master's Degree: All requirements for the master's degrees must be met within a period of seven years from the year the student completes the first graduate course that is to apply toward the degree.
- b. Specialist Degree: All requirements for the Specialist degree must be met within a period of five years from the year the student completes the first graduate course that is to apply toward the degree.
- c. Validation of Out-of-Date Credit: Coursework that has been taken prior to the specified time limit before completion of the degree is considered to be outdated. This coursework may be applied to the graduate degree if a grade of "B" or higher was attained and if one of the following occurs:
1. the equivalent CSC course is audited with the stipulation that the professor teaching the course must sign a statement verifying regular attendance, satisfactory performance on the final examination (if one is given), and performance at a level to warrant validation of the course
- OR
2. a written or oral examination covering the subject matter is successfully completed as certified by an appropriate faculty member(s). If an oral examination is given, at least two graduate faculty members must be present. The Dean of Graduate Studies and the graduate committee chairperson will appoint the faculty to administer the examination. Details of the time and place of the examination must be registered with the Graduate Office. Approval to validate credit must be obtained through the graduate committee and Dean of Graduate Studies.
- 4. Course Level Requirements**
- a. Master's Degree: At least one-half of the semester hours required for the master's degree must be taken in classes in which only graduate students may enroll (600 level or higher).
- b. Specialist Degree: The student must complete, including the thesis or field study, not fewer than 30 semester hours of graduate work beyond the master's degree. At least 12 semester hours of coursework must be comprised of courses numbered at the 700 level, and at least 21 semester hours must be at the 600 or 700 levels.
- 5. Curriculum Patterns**
- a. Master's Degree: All graduate students seeking the degree of Master of Arts in Education, Master of Education, or Master of Science in Organizational Management should complete EDCI 631, "Introduction to Graduate Study," within the first 12 hours of their program of study. All graduate students (including those seeking the M.B.A. Degree) must select one of the following plan options:

Plan I (Thesis with Oral Examination)

Plan I - Requires a thesis pertaining to the field of specialization. Six semester hours of credit are awarded for successful completion of the thesis.

Following are general guidelines for preparation and submission of the thesis and accompanying oral examination.

1. After acceptance into graduate study and successful completion of Introduction to Graduate Study" or its equivalent and at least two-third's of total number of program hours are completed, the student presents a thesis proposal under the guidance of the advisor. This presentation is to be made in a formal meeting with the student's graduate committee. The thesis must convey conclusions on some subject directly related to the candidate's area of specialization. Although the topic does not necessarily have to be original or to seek new answers, it should attempt to establish

- a point previously unsupported or to verify existing knowledge. The thesis topic should be so designed that the student receives training in the art and techniques of scientific inquiry, employing one or more of the commonly accepted tools of educational research.
2. The student's committee has the responsibility to carefully scrutinize, make recommendations and accept, accept with modifications, or not accept the proposal.
 3. After acceptance by the committee, the proposal and outline will be submitted to the Dean of Graduate Studies for approval.
 4. Those choosing the thesis option must register for a total of six (6) semester hours thesis credit. Registration for all six hours or any portion thereof may be made at the beginning of any semester or summer term following approval of the thesis proposal. Written approval from the Institutional Review Board is required if the student will be using a data collection tool that involves human or animal subjects.
 5. The student is ultimately responsible for the progress and completion of the thesis.
 6. The thesis will be written under the direct supervision or guidance of the advisor.
 7. The accepted writing style is APA, however some disciplines may require their particular style.
 8. When the student and advisor are satisfied with the thesis, it is to be submitted to the student's committee for review and approval.
 9. After acceptance of the thesis by the advisor and committee, an oral examination will be scheduled. Copies of the thesis must be presented to the committee members at least two weeks before the scheduled date of the oral examination. The oral examination will include questions regarding the thesis, coursework, and other material relevant to the student's field of study. The oral examination must be taken at least **FOUR** weeks prior to the date of graduation or granting of the degree. (The final date for oral examinations is posted each term in the Graduate Office.) Students completing oral examinations after the specified date will not be eligible for graduation until the next graduation or diploma granting date. Approval forms will be signed by the committee after successful completion of the thesis and oral examination.
 10. All Plan I students must include an abstract of 150 words in their thesis.
 11. The examining committee members will sign a statement verifying the outcome of the oral examination. This statement is to be presented to the Dean of Graduate Studies.
 12. After the candidate has successfully passed the oral examination, he/she will deposit four copies of the thesis and one additional copy of the abstract to the Dean of Graduate Studies. One copy will be placed in the Library, one copy will be archived, one copy will be presented to the thesis committee chairperson, and one copy will be returned to the student. The remaining abstract will be retained in the student's file. The expense of binding is the responsibility of the student. Contact the Graduate Office for specific instructions.

Plan II (Scholarly Project with Oral Examination)

Plan II requires a scholarly project pertaining to the field of specialization. Three (3) semester hours of credit are awarded for successful completion of the scholarly project.

The project is to be designed in consultation with the student's graduate committee.

Following are general guidelines for preparation and submission of the project and accompanying oral examination.

1. After acceptance into graduate study and successful completion of "Introduction to Graduate Study" or its equivalent, the student should present a scholarly project proposal under the guidance of the advisor. This presentation is to be made in a formal meeting with the student's graduate committee. The scholarly project must convey conclusions on some subject directly related to the candidate's area of specialization. Although the topic does not necessarily have to be original or to seek new answers, it should attempt to establish a point previously unsupported, or verify existing knowledge. The scholarly project topic should be so designed that the student receives training in the art and techniques of scientific inquiry, employing one or more of the commonly accepted tools of educational research.

2. Those choosing the project option must register for three (3) semester hours credit. This registration may be made at the beginning of any semester or summer term following the approval of the project topic.
3. The student is ultimately responsible for the progress of the project.
4. The accepted writing style is APA, however some disciplines may require their particular style.
5. When the student and advisor are satisfied with the project it is to be submitted to the student's committee for review and approval.
6. After acceptance of the project by the advisor and committee, an oral examination will be scheduled. Copies of the project paper and related materials must be presented to the committee members at least two weeks before the scheduled date of the oral examination. The oral examination will include questions regarding the scholarly project, coursework, and other material relevant to the student's field of study. The oral examination must be taken at least **FOUR** weeks prior to the date of graduation or granting of the degree. (The final date for oral examinations is posted each term in the Graduate Office.) Students completing oral examinations after the specified date will not be eligible for graduation until the next graduation or diploma granting date. Approval forms will be signed by the student's committee and presented to the Dean of Graduate Studies after successful completion of the oral examination.
7. All Plan II students must include an abstract of approximately 150 words in their scholarly project.
8. After the candidate has successfully passed the oral examination, he/she will present **FOUR** copies of the project paper plus one additional copy of the abstract to the Dean of Education Graduate Studies. Each project paper should be contained in an approved black theme binder. One copy will be placed in the Library, one copy will be archived, one copy will be presented to the supervising professor, and one copy will be returned to the student. The remaining abstract will be retained in the student's file. The expense of binding is the responsibility of the student. Contact the Graduate Office for specific information.

Plan III (Coursework with Oral Examination)

Plan III does not require a scholarly project or thesis. Students are required to complete the designated coursework in their area of specialization.

Students choosing this option will be required to successfully pass an oral examination. The oral examination will include questions regarding coursework and other material relevant to the student's field of study. Approval forms will be signed by the student's committee and presented to the Dean of Graduate Studies after successful completion of the oral examination.

The oral examination must be taken at least **FOUR** weeks prior to the date of graduation or granting of the degree. (The final date of oral examinations is posted each term in the Graduate Office.) Students completing oral examinations after the specified date will not be eligible for graduation until the next graduation or diploma granting date.

Note: Plan III is not available in all departments. Contact the Dean of Graduate Studies for more information.

- b. **Specialist Degree:** A student at the Specialist degree level may choose between a thesis or field study option on a topic approved by the committee and related to the area of specialization. For either option, the student must submit three copies of the unbound document to the Graduate School at least 15 days before the close of the semester or summer term in which he/she is certified for graduation. Four copies of the thesis abstract, not to exceed 500 words and suitable for publication, must be presented to the Graduate Office within the same time limitation during the semester or term in which the student is planning to graduate. All field experience classes require:
 - (1) affirmation under oath that the student has no felony conviction or misdemeanor conviction involving abuse, neglect, or sexual misconduct (Guide to Nebraska Teacher Education Institutions, Nebraska Department of Education, Code Section 004.01, subsection 00411D).

- (2) 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 (Guide to Nebraska Teacher Education Institutions, Nebraska Department of Education, Code Section 004.01, subsection 004.01L).

6. Residence Requirements

- a. Master's Degree: At least twelve of the semester hours required for advanced degrees must be classified as "residence credit." "Residence credit" courses are those taught by a member of the Chadron State College Graduate Faculty, either on or off-campus.
- b. Specialist Degree: At least one-half of the courses required for the Specialist degree must be taught by a member of the Chadron State College Graduate Faculty, either on or off-campus.

7. Oral Examination

All candidates for the master's degree are required to pass a final oral examination in their area of concentration. Students choosing the thesis or research project paper option will have questions relating to the thesis or research project paper included in this examination.

The student's graduate committee will conduct the oral examination. If a member of the committee is unavailable and rescheduling is inappropriate, a substitute may be appointed by the Dean of Graduate Office. With the candidate's knowledge, the examining committee may invite other individuals to be present at the oral examination.

The oral examination must be taken at least **FOUR** weeks prior to the date of graduation or granting of the degree. Students completing oral examinations after the specified date will not be eligible for graduation until the next graduation or diploma granting date.

Prior to the oral examination, a personal data sheet is to be prepared by the student and distributed to all members of the examination committee. It should include such items of information as professional and educational background, courses completed, and anticipated educational and career goals.

Following successful completion of the oral examination, approval forms will be signed by the student's committee and presented to the Dean of Graduate Studies.

8. Portfolio

All candidates for the Master's and Specialist in Education degrees are required to compile a professional and academic portfolio in their area of concentration. The portfolio is a purposeful, collaborative, self-reflective collection of the student's work generated during the process of the graduate program. The portfolio should include a personal data sheet including such items of information as professional and educational background, courses completed, and anticipated educational and career goals.

The procedures and content needed for portfolio construction are outlined in materials obtained from the Graduate Office.

The student will submit the completed portfolio, for assessment by his/her graduate committee, prior to the final oral examination. Upon review and acceptance of the student's portfolio, approval forms will be signed by the student's committee and presented to the Dean of Graduate Studies.

SECOND MASTER'S DEGREE

Students holding a master's degree may seek a second master's degree in another program area. If the first degree was not awarded by Chadron State College, the student should apply as stated under "Admission to Graduate Study." If Chadron State College awarded the first master's, the student should contact the Dean of Graduate Studies. A second master's requires appointment of a graduate committee; additional coursework; acceptance into Graduate Study, Graduate Status and applications for Oral Examination and graduation. No more than twelve semester hours of approved coursework from the previous degree may be applied toward a second master's degree.

MASTER OF ARTS IN EDUCATION

DESCRIPTION OF PROGRAM OFFERINGS

The Master's of Arts in Education degree program consists of an integrated knowledge core complemented by a coherently-focused academic program tailored to meet the needs of students. Based upon the communication and service core of education, this professional degree program provides an integrated master's degree for students pursuing non-educational career choices. Areas of study include Community Counseling, History, and Science/Mathematics.

APPLICATION FOR ADMISSION TO GRADUATE STUDY IN THE MASTER OF ARTS IN EDUCATION PROGRAM

Following are criteria for acceptance into Graduate Study in the M.A.E. Program:

1. Application for admission to graduate study must be completed on forms available from the Graduate Office or on the CSC website. Deadline for admission to the graduate study program is April 1 for the summer and fall terms, and October 1 for the spring term.
2. Students must possess an earned baccalaureate degree from a regionally accredited institution. General education at the baccalaureate level is a prerequisite for admission to all Master of Arts in Education degree programs at Chadron State College.
3. Students must submit to the Graduate Office an official transcript from each college or university previously attended. (In order to be considered an official transcript, it must be sent directly to Chadron State College from the college or university.) Transcripts from Chadron State College need not be submitted.
4. Students must submit **three** satisfactory recommendations completed by school administrators, college instructors, or other appropriate persons. These recommendations are to be placed on an official "Recommendation Form" available from the Graduate Office, which will be sent to the student upon receipt of an application.
5. Applicants must have a 2.75 undergraduate GPA or above on a 4.0 scale.
6. Applicants must submit GRE Scores for application to the science area only. Minimum satisfactory GRE scores have been set at the following levels: **Verbal = 350, Quantitative = 410, Analytical Writing = 3.0**. Students performing unsatisfactorily on the GRE may be accepted by the Graduate Council on a conditional basis. Students accepted on a conditional basis will have terms of the condition stated in writing. These terms may include maintenance of a stated grade point average, additional coursework, or another method of remediation. Students may retake the GRE to improve their scores.
7. Students admitted to graduate study may be required to spend more than the minimum time to complete the work for the master's degree. The Graduate Council may require students to make up any deficiencies in preparation by completing specified courses without credit toward the desired degree.

Graduate Study, Graduate Status, and Applications for Oral Examination and Graduation are separate and independent levels in the degree program. Students must apply for and be approved for each level.

Note: The graduate student must complete at least 24 semester hours of graduate coursework after being accepted for graduate study.

The Dean of Graduate Studies and the Graduate Council will examine documents submitted and make one of the following determinations.

Acceptance: The Graduate Dean approves the application and the student advances into Graduate Study. If the Dean and/or Council have areas of concern, those concerns will be stated. Additional coursework or other appropriate requirements may be required.

Conditional Acceptance: The Dean and/or Graduate Council recognize certain deficiencies and may require additional coursework, evaluative testing or other appropriate requirements. The student may then advance to Graduate Study on a conditional basis and progress is monitored.

Non-Acceptance: The Graduate Dean and/or Council do not approve the application at this time and the student does not advance into Graduate Study. Reasons for non-approval and possible avenues toward acceptance will be stated.

MASTER OF ARTS IN EDUCATION DEGREE PROGRAMS

The degree of Master of Arts in Education, COMMUNITY COUNSELING

The Community Counseling Program offers a Master of Arts in Education degree. This degree program requires the successful completion of 48 credit hours of graduate education. EDCI 631, Introduction to Graduate Study, should be completed within the first 12 hours of a student's program of study.

Mission

The mission of the Community Counseling program of the Counseling, Psychology and Social Work Department of Chadron State College is to prepare quality professionals in to pursue careers as community counselors in various public and private agencies and systems.

Student Learning Outcomes

Upon completion of the Community Counseling Program students will be able to:

- demonstrate knowledge of human growth and development, social and cultural foundations, helping relationships, groups and group procedures, career and lifestyle development, appraisal, research and program evaluation, and professionalism;
- be employed as an entry level professional counselor with entry level professional skills;
- demonstrate knowledge and application of the principles of the American Counseling Association (ACA) Code of Ethics;
- apply the ACA ethical principles professionally;
- fulfill the pre-graduation requirements of Title 172, Nebraska Department of Health Professional and Occupational Licenses Regulations in the areas of course content and supervised clinical experience;
- analyze the need of rural populations and develop appropriate referral and networking skills;
- demonstrate empathy and skill in counseling diverse cultural, social and gender groups;
- reflect on personal and professional strengths and weakness and identify needs for growth through supervisor consultation and peer relationships;
- provide consultation services to local, state and professional communities;
- read and comprehend professional journal literature.

Program of Study

The Community Counseling Program prepares students to work professionally in various public and private counseling agencies. In Nebraska, as well as most states, persons must be licensed by the state to engage in counseling or therapy. A teaching degree is not required for admittance into the Community Counseling Program.

COURSES:

COUN 531 Counseling and Communication Skills.....3	COUN 632 Career and Lifestyle Development .....3
COUN 532 Treatment Issues in Addictions .....3	COUN 633 Internship in Counseling .....3
COUN 533 Ethical and Legal Issues.....3	COUN 634 Group Counseling .....3
COUN 534 Tests and Measurements .....3	COUN 636 Family Counseling .....3
COUN 535 Multicultural Counseling .....3	COUN 637 Advanced Developmental Psychology .....3
COUN 536 Foundation of Professional Identity .....3	COUN 639A Practicum in Counseling I.....3
COUN 541 Counseling Theories.....3	COUN 639B Practicum in Counseling II .....3
COUN 631 Consultation and Program Development ...3	EDCI 631 Introduction to Graduate Studies .....3
	Total 48

Course Requirements: Counseling Practicum is a key course in the curriculum of the counseling department. Therefore, certain courses are instrumental for the experience of practicum. As practicum is a developmental process it will be offered for 3 credit hours both fall and spring. In order to register for COUN 639A or 639B a student needs to have completed the following courses with a grade of "A" or "B":

COUN 531	Counseling & Comm Skills	3	COUN 541	Counseling Theories	3
COUN 533	Ethical and Legal Issues.....	3			

The following courses may be taken concurrently with COUN 639A, Practicum I only:

COUN 535,	Multicultural Counseling.....	3	COUN 634,	Group Counseling	3
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All other courses may be taken at any point in the program prior to COUN 633, Internship, which is the capstone course and must be the last course completed.

*Note: Students who are unable to finish their Internship in 3 credit hours may need to enroll in additional hours for completion of this requirement. The Credentialing Division of the Department of Regulation and Licensure, Nebraska Health and Human Services System, generally approves our counseling courses for professional counseling continuing education (CE) credit.

The degree Master of Arts in Education, HISTORY

NOTE: EDCI 631, Introduction to Graduate Study, should be completed within the first 12 hours of a student's program of study.

BASIC EDUCATION CORE:

EDCI 631	Introduction to Graduate Study.....	3	PSYC 636	Advanced Educational Psychology	3
EDCI 633	Educational Philosophy.....	3			9

REQUIRED:

HIST 635	Research Seminar in History.....	3	HIST 660	Thesis	6
					9

ELECTIVES:

Courses in History (including HIST 535, History of Historical Writing, unless taken at the Undergraduate level).....					18
Total					36

The degree Master of Arts in Education, SCIENCE/MATHEMATICS

NOTE: EDCI 631, Introduction to Graduate Study, should be completed within the first 12 hours of a student's program of study.

BASIC EDUCATION CORE:

EDCI 631	Introduction to Graduate Study.....	3	Educ and/or Coun, Psyc, courses selected with the approval of the student's committee.....		6
					9

REQUIRED:

Courses to be specified by the student's committee. No more than six (6) hours may be taken from Science 500-Science 600; Independent Study and Research					18
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ELECTIVES:

Electives should be related to the student's interests and needs and approved by the student's committee.....					9
Total					36

MASTER OF BUSINESS ADMINISTRATION DEGREE

Accredited by the Association of Collegiate Business Schools and Programs (ACBSP)

VISION

To be broadly recognized throughout the western high plains region as the MBA Program of choice.

MISSION

Deliver a program designed for supervisory and mid-level managers which develops practices consistent with the adaptability required for high performance management in the dynamic western high plains region. The program will be delivered in an innovative and flexible format emphasizing both an internal and external decision focus as well as an experiential learning component.

APPLICATION FOR ADMISSION TO THE MASTER OF BUSINESS ADMINISTRATION DEGREE

Individuals applying for admission into the M.B.A. program at CSC shall meet the following entrance requirements:

1. Application for admission to graduate study must be completed on forms available from the Graduate Office or at the csc website. Deadline for admission to the graduate study program is April 1 for the summer and fall terms, and October 1 for the spring term.
2. Applicants must possess an earned baccalaureate degree. Those having graduated from an unaccredited institution may be accepted conditionally, provided all other college and departmental requirements have been met. Full acceptance will not be granted until students have completed 12 hours of graduate coursework at Chadron State College and maintained a 3.0 graduate grade point average.
3. Applicants must have a 2.75 undergraduate GPA or above on a 4.0 scale or have completed 12 graduate hours at CSC with a GPA of 3.25 or higher.
4. Applicants must submit **three** satisfactory recommendations from individuals qualified to testify to the probable success of the applicant in the program. These recommendations are to be placed on the official "Recommendation Form" available from the Graduate Office, which will be sent upon receipt of the application.
5. Admission may be determined by one of two methods.
 - A. The student must have accumulated 900 points or greater based upon the following formula: 200 times the undergraduate GPA (on a 4.00 system) plus the GMAT score.

OR
 - B. The student must receive a GMAT score of 400 or greater.
6. Applicants without a business degree or significant business experience may be required to demonstrate additional competencies before full admission into the program will be granted. These competencies may be fulfilled through a variety of mediums such as: CLEP, course challenge, self study, correspondence, portfolio or specified coursework.

Note: The MBA graduate student is to complete at least 15 semester hours of graduate coursework after being accepted for graduate study.

The degree of MASTER OF BUSINESS ADMINISTRATION

REQUIRED COURSES:

ACTG 532	Managerial Accounting	3	MGMT 630	Organizational Behavior	3
ECON 537	Managerial Finance	3	MGMT 634	Business Strategy	3
ECON 630	Modern Econ Theories & Applications	3	MGMT 639	Legal & Social Environment of Business...	3
FIN 631	Managerial Finance	3	MIS 632	Information Systems for Managers.....	3
MGMT 620	High Performance Leadership.....	3	MKTG 630	Marketing Management	3
					30

PROFESSIONAL COURSES: Select six (6) hours from the list below: Business and Economics/Professional specific courses (courses to be identified and approved in conjunction with candidate's Graduate Committee).

ACTG 560	Topics in Accounting.....	3	FIN 560	Topics in Finance	3
B A 560	Topics in Business.....	3	MGMT 530	Human Resource Management.....	3
B A 660	Thesis	6	MGMT 560	Topics in Management.....	3
B A 655	Scholarly Project	3	MIS 560	Topics in MIS.....	3
B A 690	Internship.....	3	MKTG 537	Services Mktg & Mgmt Research.....	3
ECON 560	Topics in Economics	3	MKTG 560	Topics in Marketing	3
ECON 530	Community Economics Development	3			6

Total 36

MASTER OF EDUCATION

The Master of Education degree is designed for individuals who hold teaching certificates at the baccalaureate level. Teaching certificates from the State of Nebraska are at one of the following levels: "Initial," "Standard," or "Professional." Initial certificates are valid for five years. Standard certificates are renewable every seven years and Professional Certificates are renewable every ten years. "Professional certification" is not required for continued endorsement, as the "standard certificate" is renewable.

The following programs will normally entitle recipients to be certified at the "professional" level for positions in teaching. An undergraduate degree in teacher education is a prerequisite for entrance into these programs.

APPLICATION FOR ADMISSION TO THE MASTER OF EDUCATION DEGREE

Following are criteria for acceptance into Graduate Study in the M.Ed. program:

1. Application for admission to graduate study must be completed on forms available from the Graduate Office or online on the csc.edu website. Deadline for admission to the graduate study program is April 1 for the summer and fall terms, and October 1 for the spring term.
2. Students must possess an earned baccalaureate degree from a regionally accredited institution. General education at the baccalaureate level is a prerequisite for admission to all Master of Education degree programs at Chadron State College.
3. Students must submit to the Graduate Office an official transcript from each college or university previously attended. (In order to be considered an official transcript, it must be sent directly to Chadron State College from the college or university.) Transcripts from Chadron State College need not be submitted.
4. Students must submit **three** satisfactory recommendations completed by school administrators, college instructors, or other appropriate persons. These recommendations are to be placed on an official "Recommendation Form" available from the Graduate Office, which will be sent upon receipt of the application.
5. Applicants must have a 2.75 undergraduate GPA or above on a 4.0 scale.
6. Applicants pursuing a concentration in science must submit GRE Scores. The GRE is not required for other programs or concentrations. See the graduate office for minimum scores.

7. Experience requirements:
 - M.Ed: School Administrators - 18-24 hours of professional education courses is a prerequisite for admission. The Certification Officer should be consulted to determine whether a satisfactory PPST score and courses in Special Education and Human Relations may be required.
 - M.Ed: School Counseling - a teaching certificate is required for admission.
8. Students admitted to graduate study may be required to spend more than the minimum time to complete the work for the master's degree. The Graduate Council may require students to make up any deficiency in preparation by completing specified courses without credit toward the desired degree.

Graduate Study, Graduate Status, and Applications for Oral Examination and Graduation are separate and independent levels in the degree program. Students must apply and be approved for each level.

Note: The graduate student must complete at least 24 semester hours of graduate coursework after being accepted for graduate study.

The Dean of Graduate Studies and the Graduate Council will examine documents submitted and make one of the following determinations.

Acceptance: The Graduate Dean approves the application and the student advances into Graduate Study. If the Dean and/or Council have areas of concern, those concerns will be stated. Additional coursework or other appropriate requirements may be required.

Conditional Acceptance: The Dean and/or Graduate Council recognize certain deficiencies and may require additional coursework, evaluative testing or other appropriate requirements. The student may then advance to Graduate Study on a conditional basis and progress is monitored.

Non-Acceptance: The Graduate Dean and/or Council do not approve the application at this time and the student does not advance into Graduate Study. Reasons for non-approval and possible avenues toward acceptance will be stated.

The degree Master of Education, **CURRICULUM AND INSTRUCTION - ELEMENTARY**

Curriculum and Instruction Program Statement **Elementary and Secondary Curriculum and Instruction**

The Curriculum and Instruction program at the Master's Degree level prepares candidates to build upon their undergraduate preparation as teachers. Persons enrolled in these programs are committed to the design, development, and delivery of classroom instruction. Courses prepare candidates to identify and use research-based practices in elementary or secondary schools; design curriculum for a variety of levels; and understand the broader functions of schooling in the United States. The program is a blend of theoretical and practical knowledge that can be immediately applied to the classroom setting.

As Visionary Leaders in educational settings, the graduate-level candidate has integrated in their Curriculum and Instruction program the knowledge, skills, and dispositions necessary for success in communication, thinking skills, methodology/ technology, professionalism, assessment, and human relations/diversity.

Candidate Competencies (Outcomes)

Candidates for the Masters of Science in Elementary and Secondary Curriculum and Instruction will provide leadership in the school setting through demonstrating the following competencies:

Candidates will

1. develop and implement curriculum based on central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches; diverse learner needs and abilities; cognitive and developmental levels; and community and curricular goals. (*methodology/technology; human relations/diversity*)
2. develop and implement curriculum using a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills. (*methodology/technology; thinking skills*)
3. design and facilitate a learning environment that encourages individual and group motivation, positive social interaction, and active engagement in learning. (*methodology/technology; professionalism, assessment*)
4. demonstrate cultural awareness, gender sensitivity, and racial and ethnic appreciation in fostering an inclusive learning environment. (*human relations/ methodology/technology*)

5. communicate clearly using listening, writing, speaking, and media skills in a manner that is consistent with and responsive to the specific audience. (*communications; professionalism*)
6. utilize assessment strategies and data to improve student learning and social development at the individual and program level. (*assessment; methodology/technology*)
7. improve instruction based on reflective practice and research-based “best practices.” The candidate will continuously seek to grow as a professional educator. (*professionalism; methodology/technology*)
8. foster relationships with school colleagues, parents, and agencies of the larger community based on an understanding of the impacts of philosophy, sociology, political and legal forces on public education. (*professionalism; communication/ human relations/diversity*)

NOTE: EDCI 631, Introduction to Graduate Study, should be completed within the first 12 hours of a student’s program of study.

CORE COURSES:

EDCI 631	Introduction to Graduate Studies	3	EDUC 539	Adv Methods of Perf Assessment.....	3
EDCI 633	Educational Philosophy	3	SPED 530	Char of Mild/Moderate Disabilities.....	3
EDCI 635	Curriculum Development	3			18
EDCI 638	School Law.....	3			

REQUIRED ELEMENTARY PERFORMANCE COURSES:

READ 531	Impr of Instr in Reading.....	3	EDCI 636	Impr of Instr in Soc Sci in the Elem/MS	3
EDCI 632	Impr of Instr in Health/Sci in the Elem/MS.....	3	EDCI 637	Impr of Lang Arts in the Elem/MS.....	3
EDCI 634	Impr of Instr in Math in the Elem/MS.....	3			15

ELECTIVES: (An elective, Scholarly Project, or Thesis)3
 3
 Total 36

The degree Master of Education
CURRICULUM AND INSTRUCTION - ELEMENTARY
FIELD OPTION (CONCENTRATION IN A SUBJECT AREA)

A student may pursue a master’s in education with a field concentration consisting of nine (9) to twelve (12) credit hours to be selected in consultation with his/her advisor. Three to six hours of the 36 total credit hours should consist of a scholarly project, thesis, action research or practicum/internship. (For middle school educators or a field concentration for elementary educators.)

CORE COURSES:

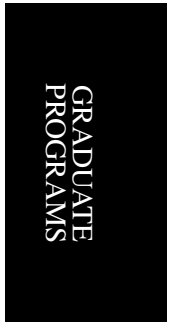
EDCI 631	Introduction to Graduate Studies	3	EDCI 638	School Law	3
EDCI 633	Educational Philosophy	3	EDUC 539	Advanced Method of Perf Assessment	3
EDCI 635	Curriculum Development	3	SPED 530	Char of Mild/Moderate Disabilities.....	3
					18

Take one of the following courses in consultation with your advisor:

READ 531	Impr of Instr in Read.....	3	EDCI 636	Impr of Instr in Soc Sci in Elem/MS.....	3
EDCI 632	Impr of Instr in Health/Sci in Elem/MS	3	EDCI 637	Impr of Instr in Lang Arts in Elem/MS	3
EDCI 634	Impr of Instr in Math in Elem/MS.....	3			3
	Field of Concentration.....	9-12			
	Scholarly Project, Thesis, Action Research or Practicum/Internship	3-6			
					Total 36

Fields of Concentration:

Language Arts	Physical Education	Science	Special Education
Mathematics	Reading	Social Science	



The degree Master of Education,
CURRICULUM AND INSTRUCTION - SECONDARY

NOTE: EDCI 631, Introduction to Graduate Study, should be completed within the first 12 hours of a student's program of study.

CORE COURSES:

EDCI 631	Introduction to Graduate Studies	3	EDUC 539	Adv Methods of Perf Assessment.....	3
EDCI 633	Educational Philosophy.....	3	READ 532	Reading in the Content Fields.....	3
EDCI 635	Curriculum Development.....	3	SPED 530	Char of Mild/Moderate Disabilities.....	3
EDCI 638	School Law.....	3			21

ELECTIVES:

Selected with the approval of the graduate advisor from the following areas of specialization			15
Business Education	Industrial Technology	Reading	
Career and Technical Education	Mathematics	Science	
Educational Technology	Physical Education	Social Science	

Total 36

The degree Master of Education
EDUCATIONAL ADMINISTRATION

Education Administration Program Statement
Elementary, Middle, and Secondary School Administration

The Educational Administration program at the Master's Degree level prepares individuals to be either elementary or secondary school principals. This program is designed to focus on the leadership role of administrators in providing the best educational climate for students and staff. Therefore, graduate students are trained in the knowledge, skills, and attitudes necessary to be effective administrators.

As Visionary Leaders in educational settings, the graduate candidates have integrated in their Educational Administration program the knowledge, skills, and attitudes necessary for success in communication, thinking skills, methodology/technology, professionalism, assessment, and human relations/diversity.

Candidate Competencies (Outcomes)

Candidates for the Masters of Science in Elementary and Secondary Administration will provide leadership in the school setting through demonstrating the following competencies:

Candidates will

1. lead and organize the collaborative development, articulation, implementation, and stewardship of a school or district vision of learning supported by the school community. (*Communication, thinking skills, human relations/diversity*)
2. lead and promote a positive school culture, providing an effective standards based instructional program, applying best practice to student learning, and designing comprehensive professional growth plans for staff based on identified needs. (*Methodology/technology, professionalism, assessment, thinking skills, human relations/diversity*)
3. lead and promote the success of all students by managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment. (*Communication, thinking skills, methodology/technology, professionalism*)
4. demonstrate the knowledge, ability and dispositions to promote the success of all students by collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources. (*Communication, methodology/technology, human relations/diversity*)
5. demonstrate the skill, knowledge, and ability to promote the success of all students by acting fairly, with integrity, and in an ethical manner. (*Human relations/diversity, communication, professionalism*)

6. demonstrate the skill, knowledge, and ability to respond to, and influence the larger political, social, economic, legal, and cultural context. (*Professionalism, thinking skills, human relations/diversity*)
7. demonstrate the ability to accept genuine responsibility for leading, facilitating, and making decisions typical of those made by educational leaders. (*Communication, thinking skills, methodology/technology, professionalism, assessment, and human relations/diversity*)

NOTE: EDCI 631, Introduction to Graduate Study, should be completed within the first 12 hours of a student’s program of study.

BASIC EDUCATION CORE:

EDCI 631	Introduction to Graduate Study.....3	EDAD 633	School Administration .....3
EDCI 633	Educational Philosophy.....3	EDAD 638	Personnel Administration.....3
EDCI 635	Curriculum Development.....3	EDAD 639	Practicum/Internship .....3
EDAD 632	Supervision of Instruction.....3		21

Focus Area – Elementary/Middle/Secondary Principal

COURSES:

EDCI 638	School Law.....3	Electives approved by the Graduate Committee &	
EDAD 636	Fundamentals of Educational Admin.....3	Advisor	.....9
			15
			Total 36

An elementary education endorsement assumes the candidate has completed a program in elementary teaching. If not, the candidate will be required to complete an additional nine (9) hours in improvement of instruction courses for elementary.

A secondary education endorsement assumes the candidate has completed a program in secondary teaching. If not, the candidate will be required to complete an additional nine (9) hours in courses appropriate to a secondary endorsement.

A middle school education endorsement assumes the candidate has completed a program in middle school teaching. Nine (9) hours of electives from the following courses and/or graduate coursework in one or both of the candidate’s middle school areas of specialization.

READ 531	Impr of Instr in Reading.....3	EDCI 636	Impr of Instr in Math in Elem/MS.....3
EDCI 632	Impr of Instr in Health/Sci in the Elem/MS.....3	EDCI 636	Impr of Instr in Soc Sci in Elem/MS.....3
		EDUC 533	The Middle School.....3

If seeking Nebraska Principal Administrative certification must meet all State of Nebraska requirements for a teaching certificate, as well as a minimum of two years full time teaching experience. Two hundred and fifty clock hours of internship/field based experiences in approved or accredited elementary, middle, or secondary schools is required for certification.

Focus Area – Special Education Curriculum Supervisor

COURSES:

SPED 530	Char of Behav & Emotion Disabilities .....3	SPED 536	Methods & Materials for M/M Disabilities ..3
SPED 533	Char of Learning Disabilities.....3	SPED 537	Seminar: The Inclusive Classroom .....3
SPED 535	Assess Indiv with M/M Disabilities.....3		15
			Total 36



The degree Master of Education, **SCHOOL COUNSELING**

The School Counseling Program offers a Masters of Education degree. This degree program requires the successful completion of 39 credit hours of graduate education. EDCI 631, Introduction to Graduate Study, should be completed within the first 12 hours of a student's program of study.

Mission

The mission of the School Counseling program of the Counseling, Psychology and Social Work Department of Chadron State College is to prepare quality professionals to be endorsed as school counselors who will meet the needs of students and educational settings of tomorrow.

Student Learning Outcomes

Upon completion of the School Counseling Program students will be able to:

- demonstrate knowledge of human growth and development, social and cultural foundations, helping relationships, groups and group procedures, career and lifestyle development, appraisal, research and program evaluation, and professionalism;
- be employed as an entry level professional counselor with entry level professional skills;
- demonstrate knowledge and application of the principles of the American Counseling Association (ACA) Code of Ethics and the Ethics of the American School Counseling Association (ASCA);
- apply the ACA ethical principles professionally;
- fulfill the pre-graduation requirements of Rule 24, Nebraska Department of Education in the areas of course content and supervised clinical experience;
- analyze the need of rural populations and develop appropriate referral and networking skills;
- demonstrate empathy and skill in counseling diverse cultural, social and gender groups;
- reflect on personal and professional strengths and weaknesses and identify needs for growth through supervisor consultation and peer relationships;
- provide consultation services to local, state and professional communities;
- read and comprehend professional journal literature.

Program of Study

The School Counseling Program prepares students to work professionally as elementary or as secondary school counselors. Students seeking endorsement as school counselors in Nebraska must have at least two years of teaching experience and a valid teaching certificate.

A class in this Program, "Internship in Counseling" (COUN 633), requires affirmation by the graduate student under oath that he/she has no felony or misdemeanor convictions involving moral turpitude (Guide to Nebraska Teacher Education Institutions, Nebraska Department of Education, Code Section 004.01, subsection 004.11D). Furthermore, enrollment in COUN 633 requires a student's affirmation under oath that he/she does not have any order or determination currently in effect by a court or any other government body of criminal charges because of insanity; or of incapacitation and in need of a guardian; or of an inability to manage his/her property due to mental illness, mental deficiency, chronic use of drugs or chronic intoxication; or because he/she is currently an in-patient or resident in a mental health facility due to a determination by a qualified mental health professional (Guide to Nebraska Teacher Education Institutions, Nebraska Department of Education, Code Section 004.01, subsection 1004.01L).

COURSES:

COUN 531 Counseling and Communication Skills.....3	COUN 633 Internship in Counseling.....3
COUN 533 Ethical and Legal Issues.....3	COUN 634 Group Counseling.....3
COUN 534 Tests and Measurements.....3	COUN 635 School Counseling.....3
COUN 535 Multicultural Counseling.....3	COUN 637 Advanced Developmental Psychology.....3
COUN 541 Counseling Theories.....3	COUN639A Practicum in Counseling I.....3
COUN 631 Consultation and Program Development...3	EDCI 631 Introduction to Graduate Studies.....3
COUN 632 Career and Lifestyle Development.....3	Total 39

For K-6 school counseling endorsement, students must take one 450-hour elementary school counseling internship. For 7-12 school counseling endorsement, students must complete one 450-hour secondary school counseling internship. Students seeking K-12 school counseling endorsement must complete one 900-hour internship. Regardless of the number of hours, students should register for COUN 633. Students may need to take additional credit hours for completion of this requirement.

NOTE: For School Counseling students who wish to obtain licensure as Licensed Professional Counselors from the State of Nebraska, the following courses are needed to complete the requirement: COUN 532, 536, 633, 636, and 639B. Contact a Counseling faculty member for additional information.

MASTER OF SCIENCE IN ORGANIZATIONAL MANAGEMENT

The Master of Science in Organizational Management degree is designed to serve the needs of the Chadron State College service region by providing a master's level education designed to prepare individuals for management, administrative, supervisory, or leadership positions within corporate, government, or not-for-profit settings. This degree is offered by the Nebraska State College System with online courses available, not only from Chadron State College, but also from Wayne State College and Peru State College. See the Dean of Graduate Studies for more information.

APPLICATION FOR ADMISSION TO THE MASTER OF EDUCATION DEGREE

Following are criteria for acceptance into Graduate Study in the M.S. program:

1. Application for admission to graduate study must be completed on forms available from the Graduate Office or online on the CSC website. Deadline for admission to the graduate study program is April 1 for the summer and fall terms, and October 1 for the spring term.
2. Students must possess an earned baccalaureate degree from a regionally accredited institution. General education at the baccalaureate level is a prerequisite for admission to all Master of Education degree programs at Chadron State College.
3. Students must submit to the Graduate Office an official transcript from each college or university previously attended. (In order to be considered an official transcript, it must be sent directly to Chadron State College from the college or university.) Transcripts from Chadron State College need not be submitted.
4. Students must submit **three** satisfactory recommendations completed by school administrators, college instructors, or other appropriate persons. These recommendations are to be placed on an official "Recommendation Form" available from the Graduate Office.
5. Applicants must have a 2.75 undergraduate GPA or above on a 4.0 scale.
6. Students admitted to graduate study may be required to spend more than the minimum time to complete the work for the master's degree. The Graduate Council may require students to make up any deficiency in preparation by completing specified courses without credit toward the desired degree.

Graduate Study, Graduate Status, and Applications for Oral Examination and Graduation are separate and independent levels in the degree program. Students must apply and be approved for each level.

Note: The graduate student must complete at least 24 semester hours of graduate coursework after being accepted for graduate study.

The Degree Master of Science, ORGANIZATIONAL MANAGEMENT

CORE: Students must complete eighteen credit hours (18) in the following competency areas:

RESEARCH DESIGN AND METHODS COURSES:

EDCI 631	Introduction to graduate studies	**MATH 533	Statistical Methods & Data Analysis
	OR		OR
CA 530	Communication Research Methods .....3	COUN 538	Advanced Behavioral Statistics <u>3</u>
			6

**Prerequisite Required

ORGANIZATIONAL MANAGEMENT AND LEADERSHIP COURSES: Student must complete twelve (12) credit hours from the following courses:

CA 630	Organizational Communications.....3	**MGMT 620	High Performance Leadership .....3
CA 610	Conflict Resolution and Mediation .....3	MGMT 630	Organizational Behavior .....3
CTE 632	Organizational Leadership .....3	MGMT 639	Legal & Social Environ of Bus.....3
MATH 631	Mathematics for Management .....3	PSYC 541	Adv Organizational Psychology <u>3</u>
**MGMT 530	Human Resource Management .....3		12

THESIS/SCHOLARLY PROJECT, INTERNSHIP, PROJECT/INTERNSHIP:

Student must complete six (6) credit hours by selecting one of the following:

Thesis OR Scholarly Project and Internship OR Internship	6
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**Prerequisite Required

Program Focus Area

NATURAL RESOURCES: Students select three (3) hours from the following.

*MATH 631	Mathematics for Management .....3	**MKTG 630	Marketing Management.....3
*CA 610	Conflict Resolution and Mediation .....3	CTE 552	Prog Dev, Implementation & Assess .....3
ACTG 531	Financial Accounting .....3	MIS 632	Information Systems for Managers <u>3</u>
			3

*Must take course if not taken in the core

**Prerequisite Required

Students in consultation with their graduate committee select an additional nine (9) credit hours

that complement the desired learning outcome of the student.....	<u>9</u>
	Total 36

HUMAN SERVICES: Student selects 3 credits from the following courses:

*MATH 631	Mathematics for Managers.....3	**MKTG 630	Marketing Management.....3
*CA 610	Conflict Resolution and Mediation .....3	CTE 552	Prog Dev, Implem & Assessment.....3
ACTG 531	Financial Accounting .....3	MIS 632	Information Systems for Managers <u>3</u>
			3

*Must take course if not taken in the core

**Prerequisite Required

Students in consultation with their graduate committee select an additional nine (9) credit

hours that complement the desired learning outcome of the student.....	<u>9</u>
	Total 36

SPORTS MANAGEMENT

Students take the following course: HPER 637, Sports Management	3
Students in consultation with their graduate committee select an additional nine	
(9) credit hours that compliment the desired learning outcome of the student	9
	Total 36

THE SPECIALIST IN EDUCATION DEGREE

All candidates entering a Specialist degree program must have completed or will complete the necessary prerequisite courses for the program. Credits to ameliorate deficiencies may apply toward elective program areas in some cases. A field practicum is required.

Programs of study at the Specialist degree level include preparation for the position of Superintendent of Schools. Each program pursued will require some specific coursework, although considerable flexibility will be allowed in planning programs to meet the individual needs of those enrolling in the Specialist degree program. Satisfactory scores on the PPST may be required for Nebraska certification. To make this determination, please contact either the Graduate Office or the Nebraska Department of Education.

**APPLICATION FOR ADMISSION TO THE SPECIALIST
IN EDUCATION DEGREE PROGRAM**

1. Complete an Application for Admission to Graduate Study. Applications are available from the Graduate Office or online at CSC site. Deadline for admission to the graduate study is April 1 program for the summer and fall terms, and October 1 for the spring term.
2. Students must have earned a master's degree from a regionally accredited college or university. A master's level degree is a prerequisite to admission to the Specialist in Education degree program at Chadron State College.
3. Students must submit to the Graduate Office an official transcript from each college and/or university previously attended. (In order to be considered an official transcript, it must be sent directly to Chadron State College from the college or university.) Transcripts from Chadron State College need not be submitted.
4. Students must submit three satisfactory recommendations completed by school administrators, college instructors or other appropriate persons. These recommendations are to be placed on the official "Recommendation Form" available from the Graduate Office.
5. Students must submit a written statement from the candidate outlining her/his goals for seeking the superintendency.
6. Students must have had at least two or more years of successful teaching experience.
7. Students must show high scholastic potential including:
 - a. A graduate grade point average of 3.4 or above on a 4.0 scale
 - OR**
 - b. A graduate grade point average of not lower than 3.25 on an 4.0 scale and satisfactory performance scores on The GRE, as follows:
 - (1) Verbal Portion (410 or greater)
 - (2) Quantitative Portion (480 or greater)
 - (3) Analytical Writing Portion (3.0 or greater)
 Students may retake the GRE to improve their scores.
8. An initial review of the entire application packet is completed by the Initial Review Committee.
8. Students may be accepted on a conditional basis. These students will have terms of the condition stated in writing. The terms may include maintenance of a stated grade point average, additional coursework or other methods of remediation.
9. Students admitted to the program may be required to spend more than the minimum time to complete the work for the Specialist degree. The Dean of Professional and Graduate Studies and/or Graduate Council may require students to make up any deficiencies in preparation by completing specified courses without credit toward the desired degree.

Graduate Study, Graduate Status, and Application for Oral Examination and Graduation are separate and independent levels in the degree program. Students must apply for and be approved for each level.

In exceptional circumstances entrance requirements may allow for alternatives to the established admission procedures to encourage participation of individuals from under-represented groups and other students as determined by Chadron State College.

The Dean of Graduate Studies and the Graduate Council will examine documents submitted, and one of the following determinations will be made:

Acceptance: The Graduate Dean approves the application and the student is advanced into Graduate Study. If the Graduate Dean and/or Council has areas of concern they will be stated and may require additional coursework or other appropriate requirements.

Conditional Acceptance: The Graduate Dean and/or Council recognizes certain deficiencies and may require additional coursework, evaluative testing, or other appropriate requirements. The student may then be advanced to Graduate Study on a conditional basis and progress is monitored.

Non-Acceptance: The Graduate Dean and/or Council does not approve the application at this time and the student is not advanced into Graduate Study. Reasons for non-approval and possible avenues toward acceptance will be stated.

Admission to Graduate Status

After being accepted for graduate study and prior to the completion of 15 semester hours of graduate coursework, the prospective candidate for the Specialist degree should make application for admission to graduate status. At this time the student must:

1. Have earned at least a 3.25 grade point average on coursework completed;
2. Prepare and submit a "Plan of Graduate Study" to the Graduate Council for approval;
3. Receive notification from the Dean of Graduate Studies of approval.

The advisor is to inform the Graduate Office of any prerequisites and/or deficiencies the student may have. The advisor and other graduate faculty members in the area of a student's concentration will outline with the student any deficiencies the student may have and a plan for remediation of these deficiencies prior to the granting of a degree.

Application for the Specialist Degree

The formal application for the degree should be filed with the Dean of Graduate Studies during the term prior in which the student expects to graduate. Candidates who plan to complete requirements for graduation in December must file formal application prior to April 15. Those who plan to graduate in spring must file prior to November 15. Those who plan to complete requirements during the summer session and graduate in December must apply by June 1. Application forms are available in the Graduate Office.

At the time the application is submitted all indebtedness to the college and the graduation fee must be paid.

Conferring of the Specialist Degree

Specialist in Education degrees will be conferred upon successful candidates either at the spring or winter commencement.

Program Research Requirements

The successful candidate will complete either a Field Study or a Thesis.

Field Study

The Field Study must be written in connection with an area of training or specialization for which a student has had coursework and, when possible, experience. The student's committee and Graduate Council must approve the topic selected. It must also have practical value to the student and should relate to some specific professional objective. If the study involves human or animal subjects, approval of the project must be granted by the Institutional Review Board prior to the commencement of the study.

Although it may be a study of a specific operation in a specific setting, the Field Study should involve the collection and analysis of data, documentation of supporting evidence, and drawing of sound conclusions. The study itself should be reported in a scholarly manner, with items of form and style determined by the nature of the study and approved by the student's advisor.

Those choosing the Field Study option must register for a total of three semester hours of Field Study credit. Registration for all three hours or any portion thereof may be made at the beginning of any semester or summer term

following approval of the Field Study topic. His/her committee, the Graduate Council and Institutional Review Board must approve the student's topic before the investigation may begin.

The Field Study will be written under the direct supervision and guidance of the advisor. The student is ultimately responsible for the progress of the Field Study.

Upon final completion of the Field Study and its review by the advisor and the committee, an oral examination is scheduled. Copies of the Field Study must be presented to the committee members at least two weeks before the scheduled date of the oral examination. The oral examination will include questions regarding the Field Study, coursework, and other material relevant to the student's field of study. The committee will sign approval forms after successful completion of the Field Study and oral examination. The oral examination must be taken at least **FOUR** weeks prior to the date of graduation or granting of the degree. (The final date for oral examinations is posted each term in the Graduate Office.) Students completing the oral examination after the specified date will not be eligible for graduation until the next graduation or diploma granting date. See the next section for more details regarding the oral examination.

The student must submit four copies of the unbound document to the Graduate Office at least 15 class days before the close of the semester or summer term in which the student is certified for graduation.

Thesis

The thesis must convey conclusions on some subject directly related to the candidate's area of specialization. Although the topic does not necessarily have to be original or to seek new answers, it should attempt to establish a point previously unsupported or to verify existing knowledge. The thesis topic should be so designed that the student receives training in the art and techniques of scientific inquiry, employing one or more of the commonly accepted tools of educational research.

Those choosing the thesis option must register for a total of six semester hour's thesis credit. Registration for all six hours or any portion thereof may be made at the beginning of any semester or summer term following approval of the thesis topic. The candidate's committee must approve the student's topic before the investigation may begin.

The thesis will be written under the direct supervision and guidance of the advisor and in accordance with APA style. The student is ultimately responsible for the progress and completion of the thesis.

After acceptance of the thesis by the advisor and the committee, an oral examination will be scheduled. Copies of the thesis must be presented to the committee members at least two weeks before the scheduled date of the oral examination. The oral examination will include questions regarding the thesis, coursework, and other material relevant to the student's field of study. The committee will sign approval forms after successful completion of the thesis and oral examination. The oral examination must be taken at least **FOUR** weeks prior to the date of graduation or granting of the degree. (The final date for oral examinations is posted each term in the Graduate Office.) Students completing oral examinations after the specified date will not be eligible for graduation until the next graduation or diploma granting date. See the next section for more details regarding the oral examination.

The student must submit four copies of the unbound document to the Graduate Office at least 15 class days before the close of the semester or summer term in which the student is certified for graduation. Five copies of the thesis abstract, not to exceed 500 words and suitable for publication, must be presented to the Graduate Office within the same time limitation during the semester or term in which the student is planning to graduate.

Program Examination

Oral

Candidates for the Specialist degree are required to pass a final oral examination in their area of concentration. Students must have submitted the completed thesis or Field Study to the committee at least two weeks prior to the oral examination. The student's graduate committee will conduct the oral examination. If a member of the committee is unavailable and rescheduling is inappropriate, a substitution may be appointed by the Dean of Graduate Studies. With the candidate's knowledge, the examining committee may invite other individuals to be present at the oral examination.

The oral examination must be taken at least **FOUR** weeks prior to the date of graduation or granting of the degree. The final date on which oral examinations may be taken is posted each term in the Graduate Office. Students completing the oral examination after the specified date will not be eligible for graduation until the next graduation or diploma granting date.

Following successful completion of the oral examination, approval forms will be signed by the student's committee and presented to the Dean of Graduate Studies.

Written

All candidates for the Specialist in Education degree will be required to pass a comprehensive written examination. The written examination will be developed, administered, and evaluated by the Department of Education. The exam will be offered once during the fall semester and once during the spring semester.

Students must have the thesis or Field Study topic approved by the committee and department chair before taking the comprehensive written examination.

**The degree of Specialist in Education,
SUPERINTENDENT OF SCHOOLS**

**Education Administration Program Statement
Elementary, Middle, and Secondary School Administration**

The Education Administration program at the Master’s Degree level prepares individuals to be either elementary or secondary school principals. This program is designed to focus on the leadership role of administrators in providing the best educational climate for students and staff. Therefore, graduate students are trained in the knowledge, skills, and attitudes necessary to be effective administrators.

As Visionary Leaders in educational settings, the graduate candidates have integrated in their Educational Administration program the knowledge, skills, and attitudes necessary for success in communication, thinking skills, methodology/technology, professionalism, assessment, and human relations/diversity.

Candidate Competencies (Outcomes)

Candidates for the Masters of Science in Elementary and Secondary Administration will provide leadership in the school setting through demonstrating the following competencies:

Candidates will

1. lead and organize the collaborative development, articulation, implementation, and stewardship of a school or district vision of learning supported by the school community. (*Communication, thinking skills, human relations/diversity*)
2. lead and promote a positive school culture, providing an effective standards based instructional program, applying best practice to student learning, and designing comprehensive professional growth plans for staff based on identified needs. (*Methodology/technology, professionalism, assessment, thinking skills, human relations/diversity*)
3. lead and promote the success of all students by managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment. (*Communication, thinking skills, methodology/technology, professionalism*)
4. demonstrate the knowledge, ability and dispositions to promote the success of all students by collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources. (*Communication, methodology/technology, human relations/diversity*)
5. demonstrate the skill, knowledge, and ability to promote the success of all students by acting fairly, with integrity, and in an ethical manner. (*Human relations/diversity, communication, professionalism*)
6. demonstrate the skill, knowledge, and ability to respond to, and influence the larger political, social, economic, legal, and cultural context. (*Professionalism, thinking skills, human relations/diversity*)
7. demonstrate the ability to accept genuine responsibility for leading, facilitating, and making decisions typical of those made by educational leaders. (*Communication, thinking skills, methodology/technology, professionalism, assessment, and human relations/diversity*)

ADMINISTRATIVE CORE COURSES:

EDAD 730 Seminar in Educational Leadership	3	EDAD 732 Field Study (3 credits)	
EDAD 731 School Administrator and the Law	3	OR	
		EDAD 762 Thesis (6 credits).....	3-6
		EDAD 763 Internship/Field Experience	3-6

REQUIRED:

EDAD 631	Public and Human Relations.....3	EDAD 637	School Plant Planning & Maintenance.....3
EDAD 634	School Business Mgmt & Finance.....3		9

ELECTIVES: Selected in consultation with advisor and committee9-12
 Total 30

Required amelioration of deficiencies at the Master’s level is not included in this total.

NON-DEGREE PROGRAM OFFERING ENDORSEMENT FOR READING SPECIALIST

Students planning to complete a reading specialist endorsement must complete the sequence outlined below. Technical advances in reading instruction are addressed in the Reading Endorsement where appropriate. In addition to the endorsement the student must have completed the following: (a) an endorsement in Elementary or Secondary Education, including child and/or adolescent psychology, (b) requirements for a valid Nebraska teaching certificate, and (c) successful teaching experience.

REQUIRED:

COUN 534	Tests and Measurements .....3	READ 531	Improvement of Instruction in Reading.....3
COUN 637	Advanced Developmental Psychology.....3	READ 635	Diagnosis and Correction.....3
ENG 538	Adolescent Literature .....3	READ 636	Practicum in Reading .....3
READ 530	Reading in the Middle/Secondary Schools ..3		21

Select three (3) hours to meet the supporting work requirements:

READ 533	Approaches & Techniques for Teaching Reading		
	OR		
READ 535	Reading and the At-Risk Student.....3		3

Select six (6) hours from the following electives:

EDCI 637	Impr of Instr in the Lang Arts in Elem/MS..3	READ 638	Sem in Read Issues: Issues, Trends, & Programs .....3
READ 532	Read in the Content Field .....3	SPED 533	Char of Learning Disabilities.....3
READ 634	Linguistic Found of Reading Instr .....3		6
			Total 30

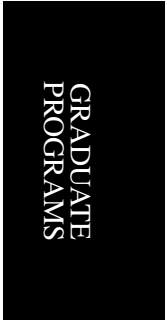
COURSE DESCRIPTIONS

ACCOUNTING

ACTG 531 Financial Accounting Credit 3 hours
 Conceptual and technical material designed to enable students to read, analyze, and interpret financial information on financial statements.

ACTG 532 Managerial Accounting Credit 3 hours
 An introduction to the fundamentals of management accounting with an emphasis on the use of accounting information in cost accumulation, decision making, and planning and control. Prerequisites: ACTG 531 or equivalent.

ACTG 560 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

- AGRI 500 Independent Study or Research** **Credit 1-3 hours**
For student seeking an individual problem in agriculture. Permission from instructor and academic Dean required.
- AGRI 520 Range Short Course** **Credit 2 hours**
Intensive summer workshop covering all contemporary areas of range management. Additional fees will be assessed.
- AGRI 526 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.
- AGRI 527 Animal Anatomy and Physiology** **Credit 3 hours**
Principles of physiology as related to gross anatomy, disease, and management practices of domestic animals. Recommended for pre-veterinary students. Prerequisites: AGRI 132, BIOL 131 or consent of the instructor. Must be taken concurrently with AGRI 527L.
- AGRI 527L Animal Anatomy and Physiology Laboratory** **Credit 1 hour**
Lab experience. Must be taken concurrently with AGRI 527.
- AGRI 528 Vegetation Inventory Analysis** **Credit 1 hour**
Rangeland and monitoring inventory techniques and vegetation sampling methods related to rangeland vegetation condition and degree of use. Prerequisites: AGRI 242 and 339, or consent of instructor. Must be taken concurrently with AGRI 528L.
- AGRI 528L Vegetation Inventory Analysis Laboratory** **Credit 2 hours**
Field lab experience. Must be taken concurrently with AGRI 528.
- AGRI 535 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 BIOL 535.
- AGRI 536 Range and Fire Ecology** **Credit 3 hours**
Principles of range 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 538 Land Resource Management Planning** **Credit 3 hours**
Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation and development of a detailed management plan. Techniques of management of private and public lands. Prerequisites: AGRI/BIOL 235, AGRI/BIOL 426 required; AGRI/BIOL 325 recommended.
- AGRI 545 Mammalogy** **Credit 2 hours**
Systematic, life history, physiology, and behavior of mammals. Must be taken concurrently with AGRI 545L. Field trips required. Cross-listed as BIOL 535. Prerequisites: BIOL 332, BIOL 336/336L and BIOL 432L or consent of the instructor.
- AGRI 545L Mammalogy Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with AGRI 545. Cross-listed as BIOL 535L.

- AGRI 547 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 560 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 6 hours of credit.
- AGRI 600 Independent Study or Research Credit 1-3 hours**
 Designed to permit individual students to participate in a progressively more complex series of investigations and independent studies in agriculture, range management, natural resources, or wildlife management at the graduate level. Permission of instructor and academic Dean required.
- AGRI 630 Topics in Agriculture/Range Management/Wildlife Credit 1-3 hours**
 Designed to meet special needs of individual students or groups and offered when demand can be demonstrated.
- AGRI 655 Scholarly Project Credit 1-3 hours**
 Scholarly project pertaining to a field of specialization. Designed in consultation with student's graduate committee and includes an extensive paper summarizing the project. Required for students selecting Plan II as listed in the Graduate catalog. Must complete 3 hours.
- AGRI 660 Thesis Research Credit 1-6 hours**
 Original investigations in science leading to the master's thesis. Must complete 6 hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.
- AGRI 690 Internship in Agriculture/Range Management/Wildlife Credit 1-3 hours**
 Provides practical work experience in an agency or organization related to agriculture, rangeland management, natural resources, or wildlife management. 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.

ANTHROPOLOGY

- ANTH 530 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 enroll in the course for a maximum 9 hours credit. Field research is possible.
- ANTH 535 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.
- ANTH 655 Scholarly Project Credit 1-3 hours**
 Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete three hours.

ART

- ART 500 Independent Study Credit 1-3 hours**
 Open to students who wish to research some aspect of art or art education through directed readings and independent investigation. Discussion with the department and written evidence of the ability to do independent research required. May be repeated with a different topic. Permission of instructor and academic Dean required.

ART 510 Seminar in Art Credit 1-3 hours

Designed to meet the special needs of a group of students, analogous to the way in which Independent Study or Research is designed. May be repeated with a different topic. Prerequisite: permission of Art faculty.

ART 530 Graduate Art Studio Credit 3 hours

Open to students who wish to do further exploration in the media of their choosing. Students must submit a written proposal outlining the project to be pursued and the media to be employed. May be repeated in a different medium. Prerequisite: permission of Art faculty.

ART 541 Topics in Art History Credit 3 hours

Graduate level study of art history topics and problems. May be repeated with a different topic.

ART 655 Scholarly Project Credit 3 hours

Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete 3 hours.

BUSINESS ADMINISTRATION

B A 500 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 560 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 600 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 required prior to registration.

B A 655 Scholarly Project Credit 1-6 hours

Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.

B A 660 Thesis Credit 1-6 hours

Original research as prescribed under Plan I of the General Requirements for the Master's Degree in the Graduate Bulletin. Must complete 6 hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.

BA 690 Internship in Business/Professional Experience Credit 1-6 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.

BIOLOGY

BIOL 500 Independent Study or Research Credit 1-3 hours

Designed to permit individual students to participate in a progressively more complex series of investigations and independent studies in biology at the graduate level. Permission of instructor and academic Dean required.

BIOL 501 Ornithology Credit 2 hours

The 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 501L.

- BIOL 501L Ornithology Lab** **Credit 1 hour**
Laboratory and field experience. Must be taken concurrently with BIOL 501.
- BIOL 512 Biotechnology** **Credit 3 hours**
Hands-on procedures with lectures and readings to provide theoretical understanding and historical background of biotechnology work. Cross-listed as CHEM 512.
- BIOL 525 Plant Morphology** **Credit 2 hours**
The origin and structure of plant cell types and tissues along with a survey of the plant world illustrated by specific examples from both living and fossil plants. Must be taken concurrently with BIOL 525L.
- BIOL 525L Plant Morphology Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 525.
- BIOL 526 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 526.
- BIOL 527 Biology of Populations** **Credit 3 hours**
Population ecology and the genetic processes of adaptation and evolution. Class consists of lectures and class discussion of current literature. Prerequisites: BIOL 332 and BIOL 336/336L or equivalent.
- BIOL 529 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. Prerequisite: BIOL 341/341L or highly recommended consent of instructor.
- BIOL 531 Entomology** **Credit 2 hours**
The taxonomy, morphology, physiology, life history, behavior, ecology, and economic importance of insects. Lecture, laboratory and field trips. Must be taken concurrently with BIOL 531L.
- BIOL 531L Entomology Laboratory** **Credit 1 hour**
Laboratory and field experience. Must be taken concurrently with BIOL 531.
- BIOL 532 Developmental Biology** **Credit 2 hours**
The 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 532L.
- BIOL 532L Developmental Biology Laboratory** **Credit 1 hour**
The vertebrate embryology and morphological development. Must be taken concurrently with BIOL 532.
- BIOL 533 Analysis of Human Movement** **Credit 2 hours**
The 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 533L.
- BIOL 533L Analysis of Human Movement Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 533.
- BIOL 535 Mammalogy** **Credit 2 hours**
The systematics, life history, physiology, and behavior of mammals. Must be taken concurrently with BIOL 535L. Field trips required. Prerequisites: BIOL 332, BIOL 336/336L and BIOL 432L or consent of the instructor.

- BIOL 535L Mammalogy Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 535.
- BIOL 536 Research Microscopy** **Credit 3 hours**
Microscopic principles and techniques and research methods. Students will plan and carry out a research project using light microscopy and present their findings in a public seminar.
- BIOL 537 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 537.
- BIOL 538 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 538L.
- BIOL 538L Taxonomy of Plants Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 538.
- BIOL 539 Plant Physiology** **Credit 2 hours**
The 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 539L. Prerequisite: Basic Plant Science course required; chemistry recommended.
- BIOL 539L Plant Physiology Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 539.
- BIOL 540 Topics in Human Biology** **Credit 1-3 hours**
Designed to meet the needs of different groups of people desiring study in gross and living anatomy, physiology, embryology, histology, and neurobiology. Study topics and credit will be arranged to meet the needs of the students. Can be repeated with a change in emphasis for a total of twelve hours of credit.
- BIOL 543 Topics in Biology** **Credit 1-3 hours**
Designed to meet the needs of different groups of people desiring knowledge in an area 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 544 Limnology** **Credit 2 hours**
Biological, chemical and physical studies of inland surface waters. Must be taken concurrently with BIOL 544L. Field trips required.
- BIOL 544L Limnology Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 544.
- BIOL 546 Regional Flora** **Credit 3 hours**
The plants and plant communities of the region. Workshop format for majors and non-majors. Field trips required.
- BIOL 548 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 548L. Field trips required.
- BIOL 548L Ethnobotany of the Northern Great Plains Laboratory** **Credit 1 hour**
Laboratory experience. Must be taken concurrently with BIOL 548.

BIOL 549 Molecular Biology of the Cell Credit 3 hours

An 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). Concurrent enrollment in BIOL 549L required.

BIOL 549L Molecular Biology of the Cell Laboratory Credit 2 hours

A project-based laboratory using a broad range of basic techniques. In addition to tools and approaches learned in BIOL/CHEM 512, students will learn cell culturing, and DNA, RNA and protein analysis. Concurrent enrollment in BIOL 549 required.

BIOL 550 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 556 Pathogenic Microbiology and Parasitology Credit 2 hours

A study of the 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 556L.

BIOL 556L Pathogenic Microbiology and Parasitology Laboratory Credit 1 hour

Laboratory experience. Must be taken concurrently with BIOL 556.

BIOL 560 Field Experience in Biology Credit 1-6 hours

A one to five week course offered between fall and spring semesters, during spring break, or during the summer. One credit earned per week of full time study. Itinerary for each class will be announced several weeks prior to registration. Fees in addition to tuition will be charged. Early registration required.

BIOL 600 Independent Study or Research Credit 1-3 hours

Designed to permit individual students to participate in a progressively more complex series of investigations and independent studies in biology at the graduate level. Permission of instructor and academic Dean required.

BIOL 620 Ethology Credit 3 hours

A study of animal behavior, particularly under natural conditions. Consideration will be given to the three different experimental approaches to the study of animal behavior; comparative psychology, ethology, and sociobiology. Considerable time will be spent on making observations and analyzing the behaviors of selected invertebrate and vertebrate animals.

BIOL 630 Topics in Biology Credit 1-3 hours

Designed to meet special needs of individual students or groups and offered when demand can be demonstrated.

BIOL 632 Topics in Advanced Human Biology Credit 1-3 hours

Designed to meet the needs of different groups of people desiring advanced work in gross and living anatomy, physiology, embryology, histology, and neurobiology. Study topics and credit will be arranged to meet the needs of the students. Can be repeated with a change in emphasis for a total of twelve hours of credit.

BIOL 638 Systematics of Plants Credit 3 hours

The principles of taxonomy and the identification and classification of plants. Considerable time will be spent on a survey on representative flowering plant families, hybridization, and evolution of plant groups. Prerequisite: BIOL 538/538L or equivalent recommended.

BIOL 655 Scholarly Project Credit 1-3 hours

Scholarly project pertaining to a field of specialization. Designed in consultation with students' graduate committee and includes an extensive paper summarizing the project. Required for students selecting Plan II as listed in the Graduate catalog. Must complete 3 hours.

BIOL 660 Thesis Research Credit 1-6 hours

Original investigations in science leading to the master's thesis. Must complete 6 hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.

BIOL 690 Internship in Biology Credit 1-3 hours

Provides practical experience as a biologist in government, business, or industry. Credits cannot be counted in the basic 36 hours for a Master's degree. 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.

CAREER AND TECHNOLOGY EDUCATION

CTE 500 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. Permission of instructor and academic Dean required.

CTE 531 Introduction to Special Needs Programs in CTE 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 534 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 535 Adult Education Credit 3 hours

Study of adult learner, adult learning theory and adult programming.

CTE 538 Coordination in Occupational Training Program 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 540 Topics in Career and Technical Education Credit 1-6 hours

Contemporary topics within career and technical education.

CTE 552 Program Developments, 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 organizations programs.

CTE 600 Independent Study or Research Credit 1-3 hours

Research or study in the area of career and technical education will be conducted either on or off campus. Reading of literature in this area or creative projects culminating in the writing of special papers and reports will be required.

CTE 632 Organizational Leadership Credit 3 hours

A study of leadership theories, characteristics, styles, and effectiveness as related to growth of an organization and the development of the personnel within the organization.

- CTE 633 Legislation and Budgeting in Career and Technical Education Credit 3 hours**
In-depth look at career and technical legislation and its implications for financial support and budgeting for career and technical programs and schools.
- CTE 655 Scholarly Project Credit 1-3 hours**
Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete 3 hours.
- CTE 660 Thesis Credit 1-6 hours**
Original research as prescribed under Plan I of the Master's Degree Program. Must complete 6 hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.
- CTE 690 Internship Credit 1-3 hours**
Provides practical work experience in an agency related to career and technology 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.

CHEMISTRY

- CHEM 500 Independent Study or Research Credit 1-3 hours**
Designed for the graduate student participating in investigations and/or independent studies in chemistry required at the graduate level. Permission of instructor and academic Dean required. May be repeated.
- CHEM 501 Chemistry Research Credit 1-3 hours**
A laboratory research experience for chemistry students. Project responsibilities assigned and supervised by chemistry faculty.
- CHEM 512 Biotechnology Credit 3 hours**
Hands-on procedures with discussions and readings to provide theoretical understanding and historical background of biotechnology work.
- CHEM 517 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 519 Special Topics in Chemistry Credit 1-3 hours**
Offered to meet special needs of chemistry majors. May be repeated.
- CHEM 530 Inorganic Chemistry Credit 3 hours**
Advanced principles of inorganic chemistry.
- CHEM 533 Environmental Chemistry Credit 3 hours**
A detailed study of the 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 533L required.
- CHEM 533L Environmental Chemistry Laboratory Credit 1 hour**
Laboratory experience. Concurrent enrollment in CHEM 533 required.
- CHEM 535 Biochemistry Credit 3 hours**
Covers the 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 535L recommended.

CHEM 535L	Biochemistry Laboratory	Credit 1 hour
Accompanies Biochemistry. Concurrent enrollment in 544 required.		
CHEM 544	Physical Chemistry	Credit 3 hours
Fundamental principles of thermodynamics, kinetics, and quantum mechanics as related to chemical concepts. Concurrent enrollment in CHEM 544L required.		
CHEM 544L	Physical Chemistry Laboratory	Credit 1 hour
Laboratory experience. Concurrent enrollment in CHEM 544 required.		
CHEM 564	Physical Chemistry II	Credit 3 hours
Fundamental principles of kinetics, and quantum mechanics as related to chemical concepts.		
CHEM 600	Independent Study or Research	Credit 1-3 hours
Research investigations in chemistry. Permission of instructor and academic Dean required.		
CHEM 640	Topics in Chemistry	Credit 1-3 hours
Selected chemistry 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 for up to six hours.		
CHEM 655	Scholarly Project	Credit 3 hours
Scholarly project pertaining to a field of specialization. Designed in consultation with students' graduate committee and includes an extensive paper summarizing the project. Required for students selecting Plan II. Must complete 3 hours.		
CHEM 660	Thesis Research	Credit 1-6 hours
Original investigations in chemistry leading to the master's thesis. Must complete six hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.		

COMMUNICATION ARTS

C A 500	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 academic Dean required.		
C A 520	Relational and Family Communication	Credit 3 hours
Advanced interpersonal course designed to give students the opportunity 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 interculturally.		
C A 530	Communication 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 535	Advanced Topics in Communications	Credit 1-3 hours
Special topics in communications. May be repeated with change of emphasis.		
C A 536	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 540	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 600 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 academic Dean required.

C A 610 Theories of Conflict Resolution & Mediation **Credit 3 hours**
 Approaching conflict resolution and mediation from a skills perspective. Effective conflict mediation and resolution skills in both personal and professional settings will be discussed.

C A 630 Organizational Communication **Credit 3 hours**
 This course investigates the nature, content and effects of communication in organizations. The course takes a practical approach focusing on typical communication situations experience in many organizations. A variety of learning methods will be employed in the course to examine how communication theory can effectively be applied. Students will participate in presentations, group activities, and case studies. The material for looking at organizations will be from a variety of academic disciplines, and the focus will be on how meaning is created, transmitted, and shared.

COUNSELING

COUN 501 Topics in Counseling **Credit 1-3 hours**
 To meet the individual needs of students, it may become necessary to offer seminars or special topics that are not within the range of counseling courses described in this Bulletin.

COUN 520 Psychopharmacology **Credit 3 hours**
 Drug effects, understanding, tolerance, and classification of drugs will be covered.

COUN 523 Diagnoses and the DSM **Credit 3 hours**
 Major mental and behavioral disorders are studied within the framework of the Diagnostic and Statistical Manual of Mental Disorders. Case management issues presented with emphasis on addictions. Recommended Prerequisite: PSYC 433.

COUN 531 Counseling and Communication Skills **Credit 3 hours**
 Introduction to counseling and interviewing skills.

COUN 532 Treatment Issues in Addictions **Credit 3 hours**
 Substance abuse issues explored in the variety of counseling settings.

COUN 533 Ethical and Legal Issues in Counseling and Psychotherapy **Credit 3 hours**
 Surveys the ethical, legal, and professional issues facing the counseling professional. Topics on professional conduct, decision-making, and the legal requirements for licensure will be studied.

COUN 534 Tests and Measurements **Credit 3 hours**
 Introduction to the uses of psychological and educational tests, including methods of test construction, test reliability and validity application, interpretation, and evaluation of common tests. Prerequisite: PSYC 438 or permission of instructor.

COUN 535 Multicultural Counseling **Credit 3 hours**
 Individual differences, cultural characteristics, culture-appropriate and culturally sensitive intervention imperative for those preparing to enter the counseling profession.

COUN 536 Foundations of Professional Identity **Credit 3 hours**
 Introductory to counseling or human services career. Topics will include but not be limited to professional identity, history of counseling, self exploration, career options in human services, counseling trends, and psychology and characteristics of counselors.

- COUN 541 Counseling Theories Credit 3 hours**
Review of the major theoretical constructs in counseling and psychotherapy with incorporation of multicultural relevance in the treatment of each theory.
- COUN 600 Independent Research or Study Credit 1-3 hours**
Guided independent research or study in the area of counseling. The number of credit hours varies in accordance with the topic and the amount of work required. Prerequisite: Permission of the instructor and the Academic is required.
- COUN 631 Consultation and Program Development Credit 3 hours**
Development of skills and knowledge necessary to design and organize a program of counseling, consultation, or career planning.
- COUN 632 Career and Lifestyle Development Credit 3 hours**
Leading theories of occupational choice and the process of career decision-making. Applications of theory will be discussed.
- COUN 633 Internship in Counseling Credit 1-6 hours**
Professional fieldwork experience in counseling to refine and enhance the basic counseling or student developmental skills and integrate professional knowledge and skills appropriate to the student's specialization. This will be done in accordance with the Nebraska state law requirements for licensure and/or certification of the student's specialization. Prerequisites: Successful completion of COUN 639A for School Counseling majors and COUN 639A and COUN 639B for Community Counseling majors.
- COUN 634 Group Counseling Credit 3 hours**
The theories, research, and application of group counseling will be offered in this course. Applying techniques for group process will be done through an experiential group setting.
- COUN 635 School Counseling Credit 3 hours**
Introduces topics to prepare potential school counselors to function effectively at the elementary or secondary level. Topics include but are not limited to school law, program development and evaluation, consultation, appraisal, ethics, and use of the American School Counseling National Comprehensive Model as applied to school counseling.
- COUN 636 Family Counseling Credit 3 hours**
Examines the dynamics of family counseling and family systems. Satisfactory completion of this course gives students a fundamental understanding of family systems theory and other leading theories of family counseling and their application in the counseling process.
- COUN 637 Advanced Developmental Psychology Credit 3 hours**
Case studies interwoven with empirical findings, theory, research methodology, explanations of technical concepts, and practical issues to clarify how biological, perceptual, cognitive, social, and emotional development either lead to or avert psychopathology.
- COUN 639A Practicum in Counseling I Credit 3 hours**
Provides students with opportunities to work with clients in on-going counseling situations under the direct supervision of a qualified faculty member. Students will see individual clients and/or group clients in counseling clinic setting and will accumulate a minimum of 20 hours of direct client contact. Offered in the Fall semester. Prerequisites: Successful completion of COUN 531, 533, 541, and School Counseling students COUN 635 and permission of the instructor.
- COUN 639B Practicum in Counseling II Credit 3 hours**
Advanced practicum for students in the Community Counseling program or others who desire to develop clinical skills before their internship. Students will see individual clients and/or group clients in counseling clinic setting and will accumulate a minimum of 20 hours of direct client contact. Offered in the Spring semester. Prerequisites: COUN 531, 533, 541, and School Counseling students COUN 635 and permission of instructor.

COUN 655 Scholarly Project**Credit 1-3 hours**

The student engages in a major project related to his/her area of specialization. The design of the paper and the project is in cooperation with the student's graduate committee. Prerequisite: Permission of the advisor. Must complete three hours.

COUN 660 Thesis**Credit 6 hours**

The student designs and implements an extensive research project. The research and the paper are designed in cooperation with the student's graduate committee. Prerequisites: Permission of the Dean of Professional and Graduate Study and the advisor.

CRIMINAL JUSTICE

C J 500 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 academic Dean required.

C J 536 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. Field trip may be required.

C J 600 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 academic Dean required.

C J 655 Scholarly Project**Credit 1-3 hours**

Projects pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete three hours.

ECONOMICS

ECON 530 Community Economic Development**Credit 3 hours**

An economic analysis of the structure, problems and nature of communities, and revitalization. The dimensions and causes of poverty and alternatives for development will be discussed. Some current economic development programs will be examined. Prerequisites: Department's Mathematics Requirement; BA 336; and ECON 232, or equivalencies.

ECON 537 Managerial Economics**Credit 3 hours**

Analysis of the economic decisions made by firm managers, estimation of demand, government agencies, and other organizations. The course focuses on the practical application of economic principles to economic problems of managers. Prerequisites: Department's Mathematics Requirement; BA 241, 336; and ECON 130 or equivalencies.

ECON 560 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 630 Modern Economic Theories and Applications**Credit 3 hours**

Focus on modern economic theories with applications to market types, conducts, management goals, analysis and evaluations as affected by policies within dynamic arenas of domestic and global markets.

EDUCATION

EDUC 500 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 Academic Dean is required.

EDUC 531 Planning Technical Support for Educational Environments Credit 3 hours

Explores planning technical support for teaching and learning environments through committees and planning documents; hardware and software systems in relation to supporting instructional and administrative activities; and training and support needed to use these technologies.

EDUC 532 Computer Managed Instruction Credit 3 hours

Explores instructor use of hardware/software systems for producing word processing, data management, authoring systems for web pages, presentation software, teacher utilities, digital cameras, digital scanners, and other tools that are valuable in the production of instructional materials.

EDUC 533 The Middle School Credit 3 hours

Philosophy, implementation, and improvement of the middle school from a theoretical and practical basis. Emphasis is placed upon the development, behavior, and special problems of middle school students; overall school program; methods of instruction; and the evaluation process.

EDUC 534 Technology in Instructional Design Credit 3 hours

Focuses on concepts and tools for applying systems theory to K-12 instructional design. Concepts include needs, instructional, learner, and context analysis; objective, assessment, strategy development, and evaluation. Course also applicable to business, industry, government, health care, and not-for-profit organizations.

EDUC 535 Computer Assisted Instruction Credit 3 hours

Applies pedagogically sound instructional design and current pedagogical practices for developing K-12 online course materials and teaching methodologies that create an effective learning environment.

EDUC 536 Problem Solving with Technology Credit 3 hours

Stresses video, hypermedia, the Internet, and other technologies as learning tools. Utilizes several specific media tools for problem solving, engaging students in personally and socially constructed meaning, community building, and developing interactive information literacy.

EDUC 538 Contemporary Teaching Practices Credit 3 hours

Examines contemporary teaching practices including but not limited to: constructivist methods, information processing methods, looping, multi-age teaching, and matching instruction to performance standards. Teaching with technology will be a strong emphasis. Instruction suited to the Internet and distance learning systems will be practiced.

EDUC 539 Advanced Methods of Performance Assessment Credit 3 hours

Builds on fundamental assessment knowledge and skills with emphasis on developing advanced competencies, particularly in the areas of performance-based assessment, assessment in standards-based environments, and applying current philosophies and practices to classroom teaching.

EDUC 540 Topics in Educational Technology Credit 1-3 hours

Designed to allow students to study some aspect of educational technology not offered as a regular class. May be repeated with a change of emphasis for a maximum of 6 hours credit. Graduate students must check with their advisor to determine if the course is acceptable for their Plan of Study.

EDUC 580 Field Experience**Credit 1-8 hours**

Assists the non-certified teacher and the teacher seeking an additional endorsement or renewal of an expired certificate through a planned and supervised field 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.

EDUCATIONAL ADMINISTRATION**EDAD 600 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 academic Dean required.

EDAD 631 Public and Human Relations**Credit 3 hours**

Designed to provide the educational administrator effective skills focused on meeting the Nebraska state legislation on required human relations course for certification along with a focus on public relations. The course includes an analysis of principles, practices, and materials that facilitate the adjustment and interpretation of schools to their internal and external publics, process to organize, administer, and evaluate the public and human relations program along with a school district's development of a public relations plan.

EDAD 632 Supervision of Instruction**Credit 3 hours**

Reviews current philosophy and practices in supervision at both the elementary and the secondary school levels. Emphasis will be placed upon a developmental model of improvement of instruction and the domains of the principalship. A course designed for prospective mentors, principals, supervisors, and school superintendents.

EDAD 633 School Administration**Credit 3 hours**

Examines the role of the school principal as building manager, instructional leader, creator for a learning environment, and decision maker. Focus on scheduling, co-curriculum activities, cultivating and maintaining collegial relationships, developing a school district vision, public and human relations, supervision of instruction, auxiliary services, working with community, and the school improvement process. Prerequisite: EDAD 636.

EDAD 634 School Business Management and Finance**Credit 3 hours**

Study the functions of business management for schools including, budgetary considerations, auditing and reporting, management of funds, purchasing procedures and inventory, insurance, auxiliary services, a background of school finance, various levels of governmental financing of public schools, judicial decisions and their effects, bond issues, school finance forms, and finance of schools in the future.

EDAD 636 Fundamentals of School Administration**Credit 3 hours**

A study concerning the organization and control of American schools. Discussion will include federal and court mandates; state and local control; teacher, parent, and special interest groups; and college and/or university influences.

EDAD 637 School Plant Planning and Maintenance**Credit 3 hours**

Principles and processes of developing functional educational facilities. Procedures and techniques for each phase of facility planning are included. Topics include: survey of needs, the Master Plan, site selection, the Educational and equipment selection along with a proactive maintenance plan and operations.

EDAD 638 Personnel Administration**Credit 3 hours**

Theories, principles, and practices of school personnel administration with the focus including that of various personnel administration tasks including selection, in-service, performance evaluation, and professional negotiations.

EDAD 639 Practicum/Internship in Educational Administration Credit 3 hours

Provides practical learning experiences inherent to the elementary/middle/secondary school principalship and special education curriculum supervisor. Seminar sessions will include discussion of current research and practices based on building principals' needs and concerns. Separate and appropriate experiences will be designed wherever possible for students preparing in each of the areas – elementary, middle, secondary administration and special education curriculum supervisor. Should be taken as close to the end of the program as possible. Required: at least 200 hours in a practicum setting at two school sites. Prerequisite: EDAD 636.

EDAD 639B Advanced Practicum/Internship Credit 3-6 hours

Provides for additional hours of experience under the direction of a practicing principal at either the secondary or elementary level or both. Additional hours may be necessary for certification in other states. The experience will be guided by the student's chairperson and an administrator in the field. Prerequisites: EDCI 638, EDAD 635 or EDAD 633, EDAD 632, EDAD 636, and EDAD 638.

EDAD 640 Special Topics for Administrators Credit 1-3 hours

Development, implementation, and management of *Inclusive Classrooms* in the K-12 school environment. This course will include (a) a background of laws leading up to IDEA & "Least Restrictive Environment requirements, (b) a working knowledge of IDEA and related amendments, (c) classroom management & inclusive behavior interventions, (d) techniques/strategies in adapting curriculum for all students, including those with special needs, and (e) setting or beginning exclusionary practices.

EDAD 655 Scholarly Project Credit 1-3 hours

Provide a scholarly project for students choosing Plan II for Graduate Study. This project will utilize research skills. Must complete 3 hours.

EDAD 660 Thesis Credit 1-6 hours

An extensive research study conducted under the guidance of the student's advisor. Required of those candidates for the Master's degree who elect Plan I and recommended for all who plan to do further advanced work in education. Must complete 6 hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.

EDAD 730 Seminar in Educational Leadership Credit 3 hours

Provides learning experiences inherent to leadership and management roles in education. Responsibilities, problems, challenges, and trends which face administrators will be covered in a seminar approach. Individual and appropriate experiences will be designed whenever possible for students preparing for different roles in educational leadership. This course will be taken in conjunction with EDAD 763. Prerequisites: EDAD 631, EDAD 634, and EDAD 637.

EDAD 731 The School Administrator and the Law Credit 3 hours

Designed to provide the educational administrator with a view of the law governing the operation of schools in Nebraska, Wyoming, and South Dakota. An emphasis will be placed on preventative law through building an understanding of legal issues facing the school administration and avoiding possible litigation. Issues will include school district organization, meeting of the board of education, personnel administration, conducting hearings, developing board of education policies, students' rights, discrimination, religious issues, and other current legal issues.

EDAD 732 Field Study Credit 3 hours

Conducted in an area of specialization in which a student has had course work and, when possible, experience. The topic selected should be one of highly practical value to the student and should relate to specific professional objective. The topic of Field Study must be approved by the committee before the study is undertaken.

EDAD 762 Thesis Credit 1-6 hours

Conveys conclusions on some subject directly related to the candidate's area of specialization. It should attempt to establish a point previously unsupported or verify existing knowledge, employing one or more of the commonly accepted tools of educational research. The thesis topic must be approved by the candidate's committee before he/she commences the investigation. Must complete 6 hours.

EDAD 763 Internship/Field Experience Credit 3-6 hours
 Prospective educational administrators will gain an understanding of school management through an internship in the field. Consideration will be given to antecedents of change, change models, the roles of different levels of government, forces that restrict or stimulate management, tools to implement instructional programs, and evaluation. The experience will be guided by the student's chairperson and an administrator in the field.

EDUCATIONAL CURRICULUM AND INSTRUCTION

EDCI 536 Seminar/Topics in Education Credit 1-3 hours
 Investigation of special topics in education. Attempts will be made to meet the individual needs of those registering in the program.

EDCI 600 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 academic Dean required.

EDCI 631 Introduction to Graduate Study Credit 3 hours
 Develop competencies in producing and utilizing research to improve professional practice. Quantitative and qualitative methods will be presented. Quantitative methods will be the primary emphasis including basic statistical methods. Students will produce a research plan and literature review.

EDCI 632 Improvement of Instruction in Health and Science in Elementary/Middle Schools Credit 3 hours
 Emphasis on curriculum and methodology in effective science and health education classes. Investigation of the aims of the science programs, acquaintance with the materials, techniques of instruction, and experiences that may help children gain the skills, understanding, and attitudes desirable in this subject area. Prerequisite: Student teaching or other teaching experience.

EDCI 633 Educational Philosophy Credit 3 hours
 Philosophical beliefs underlying the democratic school system, its objectives, and the means of obtaining them is reviewed. It provides a basis for a philosophy of life and of education in a democratic society.

EDCI 634 Improvement of Instruction in Mathematics in Elementary/Middle Schools Credit 3 hours
 Study methods and the value of teaching mathematics in the elementary school curriculum. Improved instructional materials are considered. Special consideration is given to exceptional children. Trends as noted in the professional literature are reviewed. Prerequisite: Student teaching or other teaching experience.

EDCI 635 Curriculum Development Credit 3 hours
 K-12 school curriculum including pupil needs in everyday life situations, the curriculum writing process including standards based on research, objectives/skills, assessments, and evaluation along with an appraisal of new curriculum practices. Emphasis placed on the process of staff-developed curriculum.

EDCI 636 Improvement of Instruction in the Social Studies in Elementary/Middle Schools Credit 3 hours
 The objectives of social education, organization of content, the unit activity approach, and a critical analysis of ways of improving instruction in the classroom are explored. Various types of teaching aids will be considered. Prerequisite: Student teaching or other teaching experience.

EDCI 637 Improvement of Instruction in the Language Arts in Elementary/Middle Schools Credit 3 hours
 Principles and techniques of effective instruction in the areas of handwriting, spelling, oral and written language, and reading. Prerequisite: Student teaching or other teaching experience.

EDCI 638 School Law Credit 3 hours

Evaluation and current status of the law pertaining to the teacher in the classroom. Specific school situations will be analyzed as to applicable Nebraska, Wyoming, and South Dakota statutory and constitutional provisions and the rationale for the judicial interpretations of legal mandates.

EDCI 639 Systemic Change: Process for School Improvement Credit 3 hours

Seminar designed to follow and apply research focusing on systemic change. Student concerns and interests are part of this class.

EDCI 655 Scholarly Project Credit 1-3 hours

Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing and related to the project. Required for students selecting Plan II. Must complete 3 hours.

EDCI 660 Thesis Credit 1-6 hours

The completion of a research project of considerable scope. The report of a study conducted under the guidance of the student's advisor. Required of those candidates for the master's degree who elect Plan I and recommended for all who plan to do further advanced work in education. Must complete 6 hours. Proposal must be approved by the student's committee and Dean of Education and Graduate Studies prior to registration.

ENGLISH

ENG 500 Independent Study or Research Credit 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 academic Dean is required.

ENG 531 Topics in English Credit 3 hours

Special topics in English. May be repeated with a change of emphasis.

ENG 532 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 535 Native American Literature Credit 3 hours

A study of the history, themes, and/or genres of literature produced by and about Native Americans.

ENG 536 World Literature Credit 3 hours

A study of representative poetry, drama, and prose fiction selected from global literature. Field trips may be required. All texts not originally published in the English language will be read in English translation.

ENG 538 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 540 Theory and Practice of Literary Criticism Credit 3 hours

An overview of current theoretical trends, such as psychoanalysis, ethnicity and race studies, structuralism, post-structuralism, and Marxism, as they relate to the practice of various forms of literary criticism.

ENG 541 English and American Novels Credit 3 hours

A study of selected English and American novels.

ENG 600 Independent Study or Research Credit 3 hours

Study or research in an area of special interest. The number of credit hours determined by topic and amount of work required. Permission of instructor and academic Dean required.

- ENG 631 Seminar in English Credit 3 hours**
Study in any of the disciplines included under the language arts and designed to meet the specific needs of a group of students. Permission of instructor required.

FAMILY AND CONSUMER SCIENCES

- FCS 500 Independent Study or Research Credit 1-3 hours**
Selected problems of interest to advanced students. Permission of the instructor and academic Dean required.

- FCS 517 Wellness Across the Lifespan Credit 3 hours**
Students will use wellness models and developmental models as a basis for learning assessment skills and creative intervention strategies which promote a lifetime of wellness. Emphasis is on empowering students to work with individuals across the lifespan (birth through old age) in assessing current states of wellness and promoting optimal wellness choices. Among the topics to be studied are wellness behaviors of individuals across the lifespan and the relationship to longevity, core values and life-defining decisions, critical thinking and creative problem-solving for individuals of all ages. Students will focus on the theory and practice of wellness assessments, interventions, and outcomes in working with individuals and families of various ages and stages.

- FCS 532 Trends in Family and Consumer Sciences Credit 3 hours**
The course will focus on updating students in one of the following areas of Family and Consumer Sciences: a) consumer and home management, b) housing and home furnishings, c) textiles and clothing, d) nutrition and foods, e) child development, or f) family issues and relations.

- FCS 537 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 540 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 600 Independent Study or Research Credit 1-3 hours**
Selected problems of interest to advanced students. Permission of the instructor and academic Dean required.

- FCS 690 Internship Credit 1-3 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.

FINANCE

- FIN 560 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 600 Independent Study or Research Credit 1-3 hours**
Selected problems of interest to advanced students. Permission of the instructor and academic Dean required.

- FIN 631 Managerial Finance Credit 3 hours**
Covers advanced financial principles, focusing on the application and case studies of financial theory to business and corporate problems and solving problems. Prerequisite: FIN 330 or equivalent.

GEOGRAPHY

GEOG 500 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 academic Dean required.

GEOG 530 Topics in Geography Credit 1-3 hours

Special topics in geography. May be repeated with a change of emphasis.

GEOG 538 Seminar in Cultural Geography Credit 1-3 hours

Examines various aspects of human cultural behavior and environmental space and helps students develop their awareness of the extent to which their feelings, behavior, and thoughts are influenced by their physical surroundings. Topics include environmental attitudes, environmental cognition, mental maps, personal space, territoriality, crowding, and psychological landscapes. Field research will be an important part of this course. Prerequisite: GEOG 232 or consent of Instructor.

GEOG 566 Field Experience in Geography Credit 1-3 hours

Field observations concerning the cultural landscape. Noted especially are the spatial phenomena of landforms, soils, natural vegetation, and how different cultures change and adapt to these various natural environments. The study of the cultural landscapes involve the synthesis of cultural activity including: land use, urban and rural settlements, economic, political, and social activities. May require a tour.

GEOG 655 Scholarly Project Credit 1-3 hours

Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete three hours.

GEOSCIENCE

GEOS 500 Independent Study or Research Credit 1-3 hours

Designed for the graduate student seeking an individual problem in Geoscience. Permission of instructor and academic Dean required. May be repeated.

GEOS 530 Special Topics in Geoscience Credit 1-3 hours

To meet special needs of Geoscience students. May be repeated

GEOS 531 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 532 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.

GEOS 535 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 536 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 538 Petroleum Geology Credit 3 hours

The origin, characteristics, occurrence, exploration, and development of/for petroleum. Possibly one or more field trips.

GEOS 539 Sedimentology and Stratigraphy Credit 3 hours
The origin and characteristics of sedimentary rocks. Concurrent enrollment in GEOS 539L required.

GEOS 539L Sedimentology and Stratigraphy Laboratory Credit 1 hour
Laboratory and field studies of sediments and sedimentary rocks. Concurrent enrollment in GEOS 539 required.

GEOS 600 Independent Study or Research Credit 1-3 hours
Research investigations in Geoscience. Permission of instructor and academic Dean required.

GEOS 630 Topics in Geoscience Credit 3 hours
Selected Geoscience 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 for up to six hours.

GEOS 655 Scholarly Project Credit 3 hours
Scholarly project pertaining to a field of specialization. Designed in consultation with students' graduate committee and includes an extensive paper summarizing the project. Required for students selecting Plan II.

GEOS 660 Thesis Research Credit 1-6 hours
Original investigations in Geoscience leading to the master's thesis. Must complete six hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

HPER 500 Independent Study or Research Credit 1-3 hours
Supervised solutions to selected problems to meet the special needs of the graduate student. The student's efforts will culminate in a scholarly report on the solution of the problems. Permission of instructor and Academic Dean required.

HPER 522 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 530 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 531 Organization and Development of Comprehensive School Health Programs Credit 3 hours
A course for teachers and school administrators who desire an understanding of the development and methods of a comprehensive school health education program.

HPER 532 Tests and Measurements in Physical Education Credit 3 hours
The history of measurements in physical education, the selection and administration of appropriate test, and the integration of their results by statistical procedures.

HPER 533 Physical Education in the Elementary School Credit 3 hours
An investigation of research and current practices in Elementary Physical Education.

HPER 535 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 537 Sport Law 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 539 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 539L. Prerequisite: HPER 122, 124, 124L, 232, and 232L or permission of Department Chair.
- HPER 539L Biomechanics of Sports Lab Credit 1 hour**
Lab experience in Biomechanics of Sports. Must be taken concurrently with HPER 539.
- HPER 590 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:
- Recreation: HPER 226, 234, and 333
 - Coaching: HPER 220, 335, and appropriate techniques courses (Note: Education students should not do their coaching internship while on Block or student teaching.)
 - Athletic Training: HPER 226
- HPER 600 Independent Study or Research Credit 1-3 hours**
Research or study in the area of health, physical education, and recreation will be conducted either on or off campus. The reading of literature in this area or carrying projects culminating in the writing of special papers and reports will be required. Permission of instructor and Academic Dean required.
- HPER 626 Advanced Motor Skill Learning Credit 3 hours**
An advanced course designed for the exploration of materials, methods, and mechanisms that underlie the learning and performance of motor skills.
- HPER 631 Topics in HPER Credit 3 hours**
This course is designed to give the master physical educator and awareness of recent trends and issues in the school setting and to discuss other contemporary concerns affecting the master physical educator.
- HPER 632 Current Studies in Administration of Physical Education Credit 3 hours**
Research and research techniques in the field of administration of physical education.
- HPER 634 Measurement of Human Performance Credit 3 hours**
A review of various instruments used to measure human performance. The study related to these instruments includes but is not limited to the use, construction, presentation, and statistical analysis required for interpretation.
- HPER 637 Sports Management Credit 3 hours**
This course provides students the opportunity to explore the dynamic world of sports from a management perspective. This perspective offers a comprehensive coverage of business trends, career options, and leadership training in the world of sport.
- HPER 638 Problems in Interscholar Athletics Credit 3 hours**
Examination and the discussion of problems which are encountered and related to the administration of an interscholastic athletic program. Current problems concerning athletics on a national, state, and local level.

HPER 639 Advanced Methods of Sports Training Credit 3 hours
 A study of advanced methods used in sports training for special populations. These population include but are not limited to differences in training youth, aged, hypobaric, hyperbaric, gender, heat, cold, athletes and the general population.

HPER 655 Scholarly Project Credit 1-3 hours
 Scholarly project pertaining to a field of specialization. Designed in consultation with students' graduate committee and includes an extensive paper summarizing and related to the project. Required for students selecting Plan II. Must complete 3 hours.

HPER 660 Thesis Credit 1-6 hours
 The completion of a research project of considerable scope. The report of a study conducted under the guidance of the student's advisor. Required of those candidates for the master's degree who elect Plan I and recommended for all who plan to do further advanced work in education. Must complete 6 hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.

HPER 690 Internship Credit 1-3 hours
 Provides practical experience in managing 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.

HISTORY

HIST 500 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 academic Dean required.

HIST 529 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 530 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 531 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 532 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 535 History of Historical Writing Credit 3 hours
 Methods of historical research, writing, and criticism, with emphasis on bibliography and historical interpretation.

HIST 536 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 537 Issues in European History Credit 3 hours**
Selected topics of investigation in European history. May be repeated with different emphasis.
- HIST 541 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. 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. May be taken more than once with different content with the permission of the instructor and academic Dean.
- HIST 542 Europe in the Middle Ages Credit 3 hours**
The 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 543 The Era of World War II Credit 3 hours**
A study of the era of World War II as the pivotal and defining era of United States history in the Twentieth Century.
- HIST 544 History of the American Colonies and the American Revolution Credit 3 hours**
A 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 the American West of Independence.
- HIST 545 The United States: The Early Republic Credit 3 hours**
A 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 546 The American West, 1500-1890 Credit 3 hours**
A 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 547 The American West, 1890 to Present Credit 3 hours**
A 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 548 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 549 Turn of the Century American 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 550 World War I Credit 3 hours**
Study of the First World War from the perspective of Europe and the United States.
- HIST 600 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 academic Dean required
- HIST 635 Research Seminar in History Credit 3 hours**
Research and writing on a major topic required.

HIST 655 Scholarly Project Credit 1-3 hours
 Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete three hours.

HIST 660 Thesis Credit 1-6 hours
 An extensive research and writing experience which serves as the capstone course for the Master of Education degree with emphasis in History. Must complete 6 hours. Proposal must be approved by student's committee and Dean of Professional and Graduate Studies prior to registration.

HUMANITIES

HUM 500 Independent Study or Research Credit 1-3 hours
 Study of research in area of special interest. Permission of instructor and academic Dean required.

HUM 532 World Mythology Credit 3 hours
 A survey of world myth and folklore as major sources of inspiration, allusion, and imagery in the expressive arts.

HUM 534 Exploration in the Humanities Credit 3 hours
 Exploration of visual, performing, or language arts. Previous experience and background are desirable but not necessary. Field trips may be required.

INDUSTRIAL TECHNOLOGY EDUCATION

ITE 500 Independent Study or Research Credit 1-3 hours
 Research in industrial technology. The problem selected and the amount of work in its solution determine the number of hours of credit. May be repeated up to 6 hours. Permission of instructor and academic Dean required.

ITE 532 Quality Assurance/Quality Control Credit 3 hours
 Quality Assurance in terms of its relationship to design, testing, manufacturing, and applications. Procedures and methods for quality control systems for manufacturing industries. Prerequisite: ITE 232 or ITE 233 or equivalent.

ITE 534 Automated Manufacturing Credit 3 hours
 Concepts in computer integrated manufacturing. Experiences in communication of data via networks to CNC machines and robots will provide a foundation by applying those concepts to actual industrial situations.

ITE 540 Topics in ITE Credit 1-3 hours
 Study of contemporary areas of ITE.

ITE 600 Independent Study or Research Credit 1-3 hours
 Research or study in the area of Industrial Education will be conducted either on or off campus. The reading of literature in this area or projects culminating in the writing of special papers and reports will be required. Permission of instructor and academic Dean required.

ITE 631 Recent Trends in Industrial Technology Credit 3 hours
 To acquaint teachers of industrial technology with an overview of the recent trends, new developments, the current problems involved in the organizing, administering, and teaching of industrial technology. Each student will be required to make a written report on some problem or phase of work considered in this class.

ITE 655 Scholarly Project Credit 1-3 hours
 Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete 3 hours.

ITE 690 Internship in Industrial Technology Credit 1-3 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 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.

INFORMATION SCIENCE AND TECHNOLOGY**IST 500 Independent Study Credit 1-3 hours**

Individual problems in a selected area of the general field of Information Science and Technology. Course can be repeated for additional credit (up to 6 credit hours total). Prerequisite: Permission of instructor and academic Dean required.

IST 530 Topics in Information Science and Technology Credit 1-3 hours

Special topics in the general field of Information Science and Technology are studied in-depth. Course can be repeated for additional credit (up to 6 credit hours total). Prerequisites: IST 133 and appropriate background for topics covered.

IST 533 Dynamic Web Page Development Credit 3 hours

Overview of the world wide web including advanced internet programming concepts and applications; design and publication of team oriented web projects. Prerequisites: IST 230 or equivalent.

MANAGEMENT**MGMT 530 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 560 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 600 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 academic Dean required.

MGMT 620 High Performance Leadership Credit 3 hours

Review current theory and practice of leadership with emphasis on developing skills relevant to prospective and practicing mid-level managers. Topical subjects may include participative leadership, delegation, empowerment; current leadership theories and practice; change leadership; leadership for group decision-making; team building leadership; leadership for quality performance; developing leadership skills; and building effective relationships. Leadership experiential exercise and/or experience will be integrated with contextual material as relevant and practical. Prerequisite: MGMT 230 or equivalent.

MGMT 630 Organizational Behavior Credit 3 hours

The determinants and organizational consequences of both individual and group behavior within formal organizations, with emphasis on theories, concepts, and empirical findings from the behavioral sciences that will help managers to understand, predict, and influence the behavior of members of an organization. Prerequisite: MGMT 230 or equivalent.

MGMT 634 Business Strategy Credit 3 hours

A variety of decision methods or techniques applicable to corporate level strategic decisions are developed. In-depth case analysis for a wide variety of businesses and industries. Readings in business strategy. Prerequisite: CPC courses or equivalent.

MGMT 639 Legal and Social Environment of Business Credit 3 hours
Examines the legal and social environments as they developed up to present situations, emphasizing current trends.

MANAGEMENT INFORMATION SYSTEMS

MIS 560 Topics in MIS Credit 1-3 hours
Topics or seminars will be selected as needed to keep students abreast of contemporary issues in MIS.

MIS 600 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 academic Dean required.

MIS 632 Information Systems for Managers Credit 3 hours
Overview of Information Systems. Stresses role of the manager and the strategic use of technology in business.

MARKETING

MKTG 539 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 560 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 600 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 academic Dean required.

MKTG 630 Marketing Management Credit 3 hours
Management of the marketing process to include planning, pricing, promotion, and distribution of ideas, products, and services to give the organization a competitive edge. Prerequisite: MKTG 231 or equivalent.

MATHEMATICS

MATH 500 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 academic Dean required.

MATH 530 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 533 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 534 Introductory Analysis Credit 3 hours
Structure of the real number line. Completeness, compactness, connectedness. Rigorous treatment of limits, sequences, series, convergence, functions and continuity, derivatives, and selected topics on measure and integration theory. Prerequisites: MATH 237 and 252, or permission of instructor.

MATH 535 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 537 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. Prerequisite: MATH 429 or equivalent.

MATH 538 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 540 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.

MATH 600 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 academic Dean required.

MATH 630 Mathematics Topics for Teachers Credit 1-3 hours

Mathematics topics of interest to classroom teachers at all grade levels. Credit variable with topic. Can be repeated with different emphasis for a maximum of 6 hours credit.

MATH 631 Mathematics for Management Credit 3 hours

Quantitative methods for managerial, educational administration, and public policy applications. Topics from discrete math, data analysis, and operations research areas.

MATH 634 Mathematics Curriculum Credit 3 hours

Mathematics curriculum in elementary and secondary schools, with emphasis on current trends and issues in mathematics education. Permission of instructor required.

MATH 655 Scholarly Project Credit 3 hours

Scholarly project pertaining to a field of specialization. Designed in consultation with a student's graduate committee and includes an extensive paper summarizing the project. Required for students selecting Plan II as listed in the Graduate Catalog.

MATH 660 Thesis Research Credit 1-6 hours

Original investigations in mathematics leading to the master's thesis. Must complete six hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration. with different topics and approval of instructor for a total of 6 credit hours.

MUSIC

MUS 513 Performance Ensemble Credit 1 hour

Offers graduate credit to participation in music ensembles.

MUS 515 Private Instruction Credit 1 hour

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, and stringed instruments.

MUS 530 Topics in Music Credit 1-3 hours

Examines a special topic in music. Topics vary from semester to semester. May be repeated.

MUS 600 Independent Study or Research **Credit 1-3 hours**
Individual study in a selected area of music.

MUS 615 Private Instruction **Credit 1 hour**
Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments. Must have at least two hours of MUS 515.

MUS 655 Scholarly Project **Credit 1-3 hours**
Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete 3 hours.

PHYSICS

PHY 500 Independent Study or Research **Credit 1-3 hours**
Designed for the graduate student seeking an individual problem in science. Permission of instructor and academic Dean required. May be repeated.

PHYS 530 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 534 Mechanics **Credit 3 hours**
Principles of Newtonian mechanics including Lagrangian and Hamiltonian formalism.

PHYS 536 Science Education **Credit 1-6 hours**
Designed to meet the needs of teachers desiring science content and skills not covered in another course. Topics and credit arranged to meet the needs of participants. Can be repeated with a change in emphasis.

PHYS 544 Thermodynamics **Credit 3 hours**
Principles of statistical physics and applications to the laws of thermodynamics.

PHYS 554 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.

PHYS 564 Quantum Mechanics I **Credit 3 hours**
Current methods in quantum mechanics, wave nature of matter, symmetry laws, and development of state function.

PHYS 571d 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 554.

PHYS 571e Optics **Credit 1 hour**
A study of optical phenomena including ray optics and wave optics.

PHYS 571g Quantum Mechanics II **Credit 3 hours**
Time development of wave functions, perturbation theory, spin functions, the hydrogen atom, and the WKB approximation. Prerequisite: PHYS 564.

PHYS 571h Advanced Astronomy **Credit 1-3 hours**
A quantitative study of topics introduced in PHYS 333. Includes astrophotography, deep sky viewing, planetarium.

- PHYS 571j 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 academic Dean required.
- PHYS 571k Advanced Physics Laboratory Credit 1-3 hours**
Experiments in optics, electronics, mechanics, and modern physics. Credit 1 or 2 hours each semester, with maximum of 4 hours total allowable.
- PHYS 571m 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.
- PHYS 600 Independent Study or Research Credit 1-3 hours**
Research investigations in physics. Permission of instructor and academic Dean required.
- PHYS 630 Topics in Physics Credit 1-3 hours**
A course on selected physics 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 for up to six hours.
- PHYS 655 Scholarly Project Credit 3 hours**
Scholarly project pertaining to a field of specialization. Designed in consultation with students' graduate committee and includes an extensive paper summarizing the project. Required for students selecting Plan II.
- PHYS 660 Thesis Research Credit 1-6 hours**
Original investigations in physics leading to the master's thesis. Must complete six hours. Proposal must be approved by the student's committee and Dean of Professional and Graduate Studies prior to registration.

POLITICAL SCIENCE

- P S 520 American Political Thought Credit 3 hours**
The 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.
- P S 521 Contemporary Political Ideologies Credit 3 hours**
The most important contemporary political ideologies will be examined, with an emphasis upon those most prevalent in the United States. Some of the central ideologies discussed will include social conservatism, libertarianism, and populism.
- P S 530 Topics in Political Science Credit 3 hours**
Special topics in Political Science. May be repeated with a change of emphasis.
- P S 531 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.
- P S 532 The Legislative Process Credit 3 hours**
The analysis of the legislative process in Congress and American state legislatures. Emphasis on statute-law making, oversight of the executive and representative function of the legislature, concurrent with an examination of decision-making and legislative norms and roles.
- P S 535 The Presidency Credit 3 hours**
This course examines the institutional development of the presidency. Special emphasis is placed on presidential decision making, presidential leadership, and the growth of executive power.

- P S 655 Scholarly Project Credit 1-3 hours**
Project pertaining to a field of specialization. Designed in consultation with the student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete three hours.

PSYCHOLOGY

- PSYC 538 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. Prerequisites: Permission of Dean or Department Chair.
- PSYC 541 Advanced Organizational Psychology Credit 3 hours**
This course provides a detailed look at psychological research and theories as applied to human performance in organizational settings, with special emphasis on issues surrounding diversity and organizational training. Prerequisite for psychology majors/minors: PSYC 131.

READING

- READ 500 Special Topics in Reading Credit 1-3 hours**
Recent trends and issues in the field of reading.
- READ 530 Reading in the Middle and Secondary Schools Credit 3 hours**
The nature of reading, pertinent research in the field, reading as applicable to the middle and secondary reading curriculum, management of the middle and secondary reading programs, application of reading 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 531 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.
- READ 532 Reading in the Content Fields Credit 3 hours**
Assists teachers in the content areas to teach subject matter in such a way as to utilize and further develop fundamental reading. Special consideration will be given to effective reading skills, vocabulary development in specific subject areas, and study skills.
- READ 533 Approaches and Techniques for Teaching Reading Credit 3 hours**
Reading programs in which specific criteria for evaluating reading programs are examined and applied to determine the effectiveness and suitability for meeting the needs of those requiring instruction in reading.
- READ 535 Reading and the At-Risk Student Credit 3 hours**
Effective models of reading programs serving at-risk students, explores innovative and imaginative approaches for teaching reading to at-risk students, and builds teachers' confidence in their ability to provide appropriate programs for at-risk students.
- READ 600 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 Academic Dean required.

READ 634 Linguistic Foundations of Reading Instruction Credit 3 hours

Phonic structure of the English language, vocabulary development, sentence, and intonation patterns. Emphasis is placed on developing teacher competence in understanding linguistic foundations of reading instruction.

READ 635 Diagnosis and Correction Credit 3 hours

Causes of reading disabilities, and demonstrates the ability to use diagnostic instruments, interview procedures, methods, and materials of remediation. Prerequisites: READ 530 or 531 or consent of instructor.

READ 636 Practicum in Reading Credit 3 hours

Supervised practicum with children and youth in developmental and remedial reading instruction, includes the diagnosing and treatment of reading disabilities under supervision. Prerequisite: READ 635 or consent of instructor.

READ 638 Seminar in Reading: Issues, Trends and Programs Credit 3 hours

Trends, issues and programs are analyzed through historical and current research in reading. Topics will vary according to the interests and needs of the students.

SOCIAL SCIENCES

S S 500 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 academic Dean required.

S S 530 Topics in Social Science Credit 1-3 hours

Special topics in Social Science. May be repeated with a change of emphasis.

S S 536 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 required.

S S 600 Independent Study or Research Credit 1-3 hours

Advanced directed readings in selected problems to meet the special needs of the graduate student.

S S 655 Scholarly Project Credit 1-3 hours

Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete three hours.

SOCIAL WORK

S W 530 Topics in Social Work Credit 1-3 hours

Examines advanced topics (knowledge and skills) in professional Social Work practice. May be repeated with a change in emphasis. Prerequisite: Permission of Instructor.

SOCIOLOGY

SOC 500 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 academic Dean required.

SOC 530 Topics in Sociology Credit 3 hours

Special topics in Sociology. May be repeated with a change of emphasis.

SOC 535 Advanced Social Psychology Credit 3 hours
 A study of four perspectives in Social Psychology: two primarily psychological, Gestalt and Freudian, and two primarily sociological, Exchange and Symbolic Interaction. The course includes student reading and interpretation of primary and secondary sources in these four areas.

SOC 655 Scholarly Project Credit 1-3 hours
 Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project. Required for students completing Plan II. Must complete three hours.

SPANISH

SPAN 500 Independent Study or Research Credit 1-3 hours
 Conferences to be arranged. Open to students who wish to do advanced work in a special field of Spanish. Permission of Instructor and academic Dean is required.

SPAN 530 Advanced Topics in Spanish Credit 1-3 hours
 An advanced study of different topics of special interest, taught in Spanish. Prerequisite: One 300 level Spanish course.

SPAN 538 Advanced Summer Program Abroad Credit 1-6 hours
 Extensive exposure to Spanish language and to one of the countries where it is spoken. Stresses functional use of contemporary Spanish in conversation and composition. Course offered only in conjunction with four weeks residence in a Spanish speaking country.

SPECIAL EDUCATION

SPED 500 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 academic Dean required.

SPED 516 Clinical Experience in Appraisal of Exceptional Children Credit 1 hour
 Class and field experiences to observe clinicians using assessment instruments and equipment with students in screening and assessment of academic achievement, development, assistive technology, and rehabilitation. Pre- or co-requisite: SPED 435.

SPED 530 Characteristics of Behavioral and Emotional Disabilities Credit 3 hours
 Social, behavioral, and emotional disabilities of learners. Identification of characteristics will be examined as well as all aspects of the total environment of these learners.

SPED 532 Survey of Special Education Credit 3 hours
 Overview of special education, laws, and services related to general education. Characteristics of students with disabilities, gifted, and talented students at risk, and students who are culturally and linguistically different. Current, future, and critical issues in the field of special education.

SPED 533 Characteristics of Learning Disabilities Credit 3 hours
 Social, emotional, physical, and cognitive characteristics of learning disabilities, identification, diagnosis, learning characteristics, and behavioral problems presented by learners with learning disabilities in the general education classroom.

SPED 535 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 536 Methods and Materials for Mild/Moderate Disabilities Credit 3 hours

Methods and materials used for teaching learners with mild/moderate disabilities are presented, and evaluated in terms of practical application. Prerequisite: Permission of instructor.

SPED 537 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 (a) a background of laws leading up to IDEA & "Least Restrictive Environment requirements, (b) a working knowledge of IDEA and related amendments, (c) classroom management & inclusive behavior interventions, (d) techniques/strategies in adapting curriculum for all students, including those with special needs, and (e) setting or beginning exclusionary practices.

SPED 538 Consultation/Collaboration Credit 3 hours

Consulting and collaborating skills for special educators working with parents and other professionals involved with children with disabilities. Emphasis is given to formal and informal meetings and conferences in planning, developing, and implementing special education programs, along with adaptations, special equipment, accommodations, or collaborative teaching with other professional and paraeducators.

SPED 600 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 Academic Dean required.

THEATRE

TH 500 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 academic Dean required.



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PROFESSIONAL STAFF

Ms. Cari Absalon	Assistant for Extended Campus Programs
Mr. Thomas Andersen	Coach, Women’s Basketball
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Ms. Debra Arp	Local Program Coordinator - McCook
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Ms. Leslie Bargaen	Coordinator of Special Events
Ms. Deann Bayne	External Program Facilitator - Scottsbluff
Mr. Blair Brennan	Coordinator of Physical Facilities
Mr. James K. Britsch	Librarian, References
Ms. Ann Burk	Director, Computer Services
Mr. Jerry Cassidy	Counselor, Student Success and Career Services
Dr. Rex Cogdill	Interim Project Director, Student Support Services
Ms. Joby Collins	Programmer/Analyst

Ms. Tena Cook	Director of Admissions
Mr. Carl Cousin	International and Multicultural Student Services Counselor
Mr. Keith Crofutt	Computer Support Analyst
Ms. Katie Digmann	Admissions Representative
Ms. Ann Dockweiler	College Nurse
Ms. Jessi Doke	Assistant Director, Residence Life Programs
Ms. Sherry Douglas	Director, Financial Aid
Ms. Christine Fullerton	Librarian, Public Services
Ms. Glenda Gambby	Librarian, Circulation
Mr. Dewayne Gimeson	Publication Specialist
Mr. Star Giorgi	Computer Support Specialist
Ms. Frances Gonzalez	Tutorial Service Counselor
Ms. Kellee Gooder	Admissions Representative
Mr. Justin Haag	Communications Coordinator
Ms. Laurie Harris	Assistant Director, Financial Aid
Mr. Mark Howard	Programmer/Analyst
Mr. Bruce Huckfeldt	Print Shop Supervisor
Ms. Joann Hunter	Coordinator, Student Support Services Student Intervention
Ms. Shellie Johns	Coordinator, Conferencing
Ms. Roberta Johnson	Local Program Coordinator - North Platte
Ms. Deena Kennell	Director, Internship and Career Services
Mr. Ken Korte	Exhibit Design and Display Specialist
Ms. Kristal Kuhnel	Assistant to Dean, Arts and Sciences
Ms. Pamela Leonard	Assistant Director, Child Development Center
Ms. Tanya Lewis	Local Program Coordinator – Sidney
Mr. Dan Lindsey	Rodeo Coach
Ms. Jill Mack	Coordinator of Special Events, Health Professions
Ms. Loree MacNeill	Director, Cultural Programs and College Relations
Mr. Con Marshall	Director, Information Services
Ms. Deborah Meter	Coordinator, Cooperative Education and Internships
Ms. Brenda McDonald	Local Program Coordinator - Alliance
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Mr. John Reiners	Head Track Coach
Ms. Sharon Rickenbach	Coordinator, Student Academic Success Services
Mr. Christopher Ross	Financial Aid Counselor
Dr. William Roweton	Director, Sponsored Research and Funded Initiatives; Minority Student Achievement and Retention
Mr. Aaron Rutt	Manager, Payroll/Benefits
Mr. John Shafer	Telecommunications Technician
Ms. Sherri Simons	Director, Housing and Residence Life
Ms. Laure Sinn	Coordinator, Student Activities
Mr. Brad Smith	Director, Athletics; Head Football Coach
Mr. Debra Smith	Admissions Coordinator
Mr. Robin Smith	Coordinator, Instructional Design
Ms. Amy Spruiell	Coach, Volleyball
Mr. Chris Stein	Assistant Football Coach
Mr. Mark Stephen	Network Specialist
Ms. Gayle Stetson	Business Manager
Ms. Sarah Thomas	Coordinator, Nelson Physical Activities Center
Mr. Chad Underwood	Programmer/Analyst

Ms. Aimee Vander Feen	Director, Extended Campus Sites
Ms. Kara Vogt	Director, Human Resources and Development
Mr. James Webb	Head Women's Softball Coach
Mr. Dale Williamson	Registrar
Mr. Milton Wolf	Director, Reta E. King Library
Ms. Sally Zahn.....	Librarian, Technical Services
.....	Programmer/Analyst
.....	Webmaster

FACULTY

* Timothy E. Anderson	<i>Professor of Business</i> B.S.E., M.S.E., Chadron State College; Ed.D., University of Nebraska. (1977)
Jonathan Austad	<i>Assistant Professor of Humanities</i> A.B.Ed., University of Michigan, M.A., Florida State University. (2005)
* Katherine E. Bahr	<i>Associate Professor of English</i> A.B., University of Georgia; M.A., Valdosta State College; Ph.D., University of Georgia. (1994)
* Charles L. Bare	<i>Professor of Mathematics</i> B.S., Black Hills State College; M.S., University of South Dakota; Ph.D., University of Wyoming. (1988)
* Laura A. Bentz	<i>Assistant Professor of Art</i> B.F.A., University of Nebraska-Lincoln; M.S., M.F.A., University of New Mexico. (2005)
* Richard J. Bird	<i>Professor of Art</i> B.F.A., M.F.A., University of Kansas. (1988)
* Sally A. Blomstrom	<i>Assistant Professor of Communication Arts</i> B.A., Arizona State University; M.A., Ph.D., Michigan State University. (2005)
* E. Patricia Blundell	<i>Associate Professor of Education</i> B.S.E., M.S.E., Chadron State College; Ed.D., University of Nebraska-Lincoln. (1997)
* Mike P. Bogner	<i>Associate Professor of Justice Studies</i> B.A., Chadron State College; M.S., University of Cambridge; J.D., The University of South Dakota School of Law. (1994)
* Arthur J. Borgemenke	<i>Assistant Professor of Education</i> B.S., New Mexico State University; M.Ed., Texas Technical University; Ed.D., University of Texas-El Paso. (2006)
Dawn D. Brammer	<i>Instructor of Physical Education</i> B.S.E., M.S.E., Chadron State College. (2006)
* August P. Bruehlman	<i>Assistant Professor of Management</i> B.S., University of Wisconsin; M.S., Ph.D., Colorado State University. (2005)
* Ronald L. Burke	<i>Professor of Economics</i> B.S., M.S., West Virginia University; Ph.D., University of Minnesota. (1987)
* Charles H. Butterfield	<i>Associate Professor of Agriculture</i> B.S., University of Wyoming; M.S., Texas A&M University; Ph.D., University of Nebraska. (1999)
Debra J. Carpenter	<i>Lecturer of English</i> B.A., Wheaton College; M.A.E., Chadron State College. (2002)
* Michael P. Cartwright	<i>Professor of English</i> B.A., M.A., Ph.D., University of Nebraska-Lincoln; Stanford University. (1985)
* Mary Jo Carnot	<i>Assistant Professor of Psychology</i> B.S., Carroll College; M.A., Ohio State University. (2003)
Philip G. Cary	<i>Assistant Professor of Information Science and Technology</i> B.S.E., Chadron State College; M.S., University of Missouri-Kansas City. (2001)
Scott B. Cavin	<i>Assistant Professor of Theatre</i> B.F.A., Stephens College; M.F.A., Illinois State University. (1996)
* Michael E. Courbat	<i>Assistant Professor of Industrial Technology Education</i> B.A., M.A., D.I.T., University of Iowa. (2004)
* Charles L. Cressy	<i>Professor of Business Education</i> B.S.E., Chadron State College; M.Ed., Ed.D. University of Nebraska-Lincoln. (1970)
* Margaret R. Crouse	<i>Professor of Family and Consumer Science</i> B.S., Kansas State University; M.S., Oklahoma State University/University of Nebraska-Lincoln; Ph.D., Oklahoma State University. (1979)

- LaVida K. Dickinson**.....*Instructor of English*
B.S., South Dakota State University; M.A.E., Chadron State College. (1984)
- Zane B. Dickinson***Assistant Professor of English*
B.S., South Dakota State University; M.S., Iowa State University. (1984)
- *Mary P. Donahue**.....*Assistant Professor of Art*
B.F.A., M.F.A., Utah State University. (2004)
- *Timothy D. Donahue***Associate Professor of Business*
B.A., M.B.A., University of Saint Thomas; Ed.D., University of South Dakota. (2005)
- *Robert L. Doxtator***Professor of English*
A.A., B.A., University of Southern Colorado; M.A., University of Northern Colorado; Institut Cultural de Guadalajara (University of Seattle), Mexico; Ph.D., University of Nebraska-Lincoln. (1968)
- Michael W. Engel***Assistant Professor of Education*
B.S.E., Peru State College; M.A.E., University of Nebraska-Kearney. (2004)
- Karen A. Enos***Assistant Professor of Elementary Education*
B.A., California State University; M.A.E., University of South Dakota. (2004)
- *Matthew Q. Evertson***Associate Professor of English*
B.A., M.A., University of Nebraska-Lincoln; Ph.D., Arizona State University. (2003)
- *Monty G. Fickel**.....*Professor of Mathematics*
B.S., University of Oklahoma; B.S.E., Chadron State College; M.S., Navy Postgraduate School at Monterey, California; Ph.D., University of Nebraska-Lincoln, Nebraska. (1981)
- Bradley J. Fillmore**.....*Assistant Professor of Science*
A.S., Ricks College; B.S., Brigham Young University; M.S., Idaho State University. (2001)
- *Clark E. Gardener**.....*Professor of Education*
B.S., Montana State University; M.S., Northern Montana State; Ed.D., New Mexico State University. (1990)
- *Laura L. Gaudet**.....*Associate Professor of Psychology*
B.S., University of Texas-Austin; M.E.D., Antioch College; Ph.D., University of Northern Colorado. (1998)
- *George V. Griffith***Professor of English*
B.A., LaSalle College; M.A., Ph.D., Southern Illinois University. (1975)
- *Joyce M. Phillips Hardy***Associate Professor of Science*
B.A., M.A.E., Chadron State College; Ph.D., Brigham Young University. (1992)
- *Jerry L. Haugland**.....*Associate Professor of Accounting*
B.S., M.A., University of Nebraska-Lincoln; Ph.D., Oklahoma State University. (2005)
- *Barbara L. Hayford**.....*Associate Professor of Biology*
B.S., Metropolitan State College; M.S., University of Southern Colorado; Ph.D., University of Kansas. (2005)
- *Gail A. Hinesley***Assistant Professor of Psychology*
B.A., University of California; M.S., University of Illinois; Ph.D. University of Colorado. (2005)
- Bruce L. Hoem**.....*Assistant Professor of Social Work*
B.A., Eastern Montana College; M.A., M.S.W., University of Southern Mississippi. (2006)
- Lorie L. Hunn**.....*Assistant Professor of Education*
B.S.E., M.S.E., Chadron State College. (2004)
- *Joel R. Hyer**.....*Assistant Professor of History*
B.A., M.A., Brigham Young University; Ph.D., University of California-Riverside. (2001)
- Allen E. Jackson***Instructor of Physical Education*
B.E.S., Murray State University; M.S.E., Chadron State College. (2005)
- *Tim J. Keith**.....*Professor of Chemistry*
A.A.S., University of Minnesota-Crookston; B.S., University of Minnesota; M.S., Ph.D., University of North Dakota. (1995)
- Roger A. Kendrick***Instructor of Physics*
B.A., M.A.E., Chadron State College. (2003)
- *Donald R. King***Professor of Education*
A.A., Los Angeles Pierce College; B.S., M.A., California Polytechnic State University; M.E., University of California; Ph.D., Iowa State University. (1993).
- *Kathleen C. Kirsch***Assistant Professor of Speech Communications*
B.A., M.A., Ph.D., University of Wyoming. (2002)
- *James F. Koehn***Assistant Professor of Business*
B.A., M.ACTG., Rice University; J.D., Baylor University. (2005)

- ***Richard A. Koza**.....*Associate Professor of Business*
B.S.E., M.S.E., M.B.A., Chadron State College; Ph.D., University of Wyoming. (1998)
- Ann E. Krejci**.....*Assistant Professor of Science*
B.A., Nebraska Wesleyan University; M.S., University of Nebraska-Lincoln. (1999)
- ***Alison Krügel**.....*Assistant Professor of Spanish*
B.A., University of Washington-Seattle; M.A., Ph.D., University of Maryland-College Park. (2006)
- ***Adam E. Lambert**.....*Assistant Professor of Music*
B.M., M.M., Brigham Young University; D.M.A., University of North Texas. (2005)
- ***H. Randy Lawson**.....*Professor of Biology*
B.S., Eastern Illinois University; M.S., Ph.D., Purdue University. (1974)
- ***Lisette D. Leesch**.....*Associate Professor of Legal Studies*
B.S., University of South Dakota; J.D., The University of South Dakota School of Law. (1999)
- ***Michael B. Leite**.....*Associate Professor of Earth Science*
B.A., Minot State University; M.S., University of Nebraska-Lincoln; Ph.D., University of Wyoming. (1996)
- ***Barbara J. Limbach**.....*Professor of Business*
B.S.E., M.S.E., Ed.S., Chadron State College; Ph.D., University of Wyoming. (1989)
- ***Catherine M. Lockwood**.....*Associate Professor of Geography*
B.A., Bemidji State University; M.S., South Dakota State University; Ph.D., University of Minnesota. (1996)
- John D. Lurvey, Jr.**.....*Instructor of Speech*
B.A., B.S.E., M.S.E., Chadron State College. (1977)
- ***Kim A. Madsen**.....*Professor of Family and Consumer Sciences;*
Director of Child Development Center
B.S.E., M.S.E., Chadron State College; Ed.D., University of Nebraska-Lincoln. (1985)
- James A. Margetts**.....*Assistant Professor of Music*
B.M., Brigham Young University; M.M., University of Cincinnati. (2004)
- Peggy L. Marshall**.....*Instructor of Education*
B.S.E., M.S.E., Chadron State College. (1986)
- ***Roger W. Mays**.....*Associate Professor of Theatre*
B.A., University of Nebraska-Kearney; M.A., University of Denver; M.F.A., University of Georgia. (1998)
- ***Chris T. McAllister**.....*Associate Professor of Biology*
B.S., University of Arkansas-Little Rock; M.S., Arkansas State University; Ph.D., University of North Texas. (2006)
- ***Robert F. McEwen**.....*Professor of English*
B.A., M.S.E., Chadron State College; Ph.D., University of Nebraska-Lincoln. (1987)
- Brandon L. Miller**.....*Assistant Professor of English*
B.A., M.D., Abilene Christian University. (2005)
- Kevin M. Miller**.....*Assistant Professor of Industrial Technology*
B.S., Kearney State College; B.A.E., Wayne State College; M.A., University of Nebraska-Lincoln. (2000)
- ***Ronald J. Miller**.....*Associate Professor of Sociology*
B.A., University of South Dakota; M.A., University of Toledo; Ph.D., Washington State University. (1976)
- ***Yvonne M. Moody**.....*Associate Professor of Family and Consumer Sciences*
B.S.E., M.S.E., Chadron State College; Ed.D., University of Nebraska-Lincoln. (1979)
- ***Norma R. Nealeigh**.....*Professor of Family and Consumer Sciences*
B.S.E., Kearney State College; M.S.E., University of Nebraska-Lincoln; Ph.D., Oklahoma State University. (1994)
- ***Tracy L. Nobiling**.....*Associate Professor of Justice Studies*
B.A., University of Northern Iowa; M.S., Ph.D., University of Nebraska-Omaha. (1991)
- ***Laurie A. Novy**.....*Assistant Professor of English*
B.S., M.S., Illinois State University; Ed.D., Nova Southeastern University. (2005)
- William J. O'Boyle**.....*Instructor of Physical Education; Assistant Football Coach*
B.S., Western Illinois University; M.S.E., Chadron State College. (1994)
- Luke E. Perry**.....*Assistant Professor of Political Science*
B.A., York College of Pennsylvania; M.A., University of Massachusetts. (2005)
- ***Grace Ann Petersen**.....*Associate Professor of Education*
B.S.E., M.S.E., Chadron State College; Ph.D., University of Nebraska-Lincoln. (2000)
- ***Samuel H. Rankin, Jr.**.....*President Emeritus*
Board of Trustee Professor of History
B.A., St. Joseph College; M.A., University of Wyoming; Ph.D., Kent State University at Kent, Ohio. (1986)

- Donna R. Ritzen**.....*Instructor of Health, Physical Education and Recreation*
B.A., Adams State College; M.A.E., Chadron State College. (2004)
- *Scott L. Ritzen**.....*Professor of HPER; Head Wrestling Coach*
B.A., M.A., Adams State College; Ph.D., University of New Mexico. (1987)
- Terry L. Rotherham**.....*Instructor of Chemistry*
B.A., M.A.E., Chadron State College. (2004)
- *William E. Roweton**.....*Professor of Education and Psychology*
B.S., Ohio State University; M.S., Ph.D., University of Wisconsin-Madison. (1984)
- *G.W. "Sandy" Schaefer**.....*Associate Professor of Music*
B.S., Indiana State University; M.S., University of Colorado; D.M.A., Arizona State University. (1999)
- *Susan M. Schaeffer**.....*Assistant Professor of Counseling*
B.A., University of Nebraska-Lincoln; M.A., University of Nebraska-Omaha; Ph.D., University of Wyoming. (2003)
- *Joel T. Schreuder**.....*Assistant Professor of Music*
B.M.E., Pacific Lutheran University; M.A., Washington State University; Ph.D., Arizona State University. (2002)
- *Jon R. Serra, Jr.**.....*Assistant Professor of Chemistry*
B.S., California University of Pennsylvania; Ph.D., Pennsylvania State University. (2004)
- *Allen L. Shepherd**.....*Professor of History*
B.S., M.A., Ph.D., University of Nebraska-Lincoln; University of Maryland (Far East Division at Seoul, Korea);
post-doctoral study; SUNY at Albany; University of Kansas, Oxford University; University of Southern California;
UCLA; Arizona State University. (1972)
- Gregory K. Spranger**.....*Assistant Professor of Information Science Technology*
B.S., Central Michigan University; M.S., Ferris State University. (2005)
- Charles D. Squier**.....*Assistant Professor of Special Education*
B.A., Nebraska Wesleyan University; M.A., Kearney State College. (2005)
- Cynthia D. Squier**.....*Instructor of Special Education*
B.A., Nebraska Wesleyan University; M.A., University of Nebraska. (2001)
- *Robert V. Stack**.....*Associate Professor of Mathematics*
B.S., M.A., Ed.D., University of South Dakota. (1998)
- Deborah D. Stewart**.....*Assistant Professor of Social Work*
B.A., Metropolitan State College, M.S.W., Colorado State University. (2004)
- Jay T. Sutcliffe**.....*Assistant Professor of Family and Consumer Sciences*
B.S., North Dakota State University; M.S., University of Nebraska-Lincoln. (2006)
- *Thomas A. Swanke**.....*Associate Professor of Economics*
B.A., University of San Diego; M.A., Ph.D., University of Colorado-Boulder. (2001)
- *Una D. Taylor**.....*Instructor of Music*
B.M.E., University of Rhode Island; M.M., University of Connecticut. (2006)
- *Thomas D. Tucker**.....*Associate Professor of Humanities*
B.A., M.A., University of West Florida; Ph.D., Florida State University. (1998)
- *M. Lois Veath**.....*Professor of Physics*
B.S., University of California-Riverside; M.A.E., Chadron State College; Ph.D., University of Wyoming. (1980)
- *Jamie S. Waldo**.....*Assistant Professor of Business*
B.A., Eastern Washington University; M.L., J.D., Franklin Pierce Law School. (2005)
- *George D. Watson, Jr.**.....*Professor of Justice Studies*
B.A., Hastings College, Nebraska; J.D., University of Nebraska College of Law; University of Exeter; Harvard Law
School. (1976)
- Don E. Watt**.....*Associate Professor of Physical Education*
B.S.E., Chadron State College; M.S., Central Missouri State University. (1994)
- *Wendy L. Waugh**.....*Associate Professor of Management Information Systems*
B.S.E., B.A., Wayne State College; M.A., University of Nebraska-Kearney; M.B.A., Chadron State College; Ph.D.,
Capella University. (1992)
- *Ronald R. Weedon**.....*Professor of Biology*
B.S., College of Idaho; M.A., Ph.D., University of Kansas; Kansas State Teachers College; Washington State
University; Idaho State University; University of Idaho. (1971)
- Beth R. Wentworth**.....*Assistant Professor of Mathematics*
B.S., Minot State University; M.A., Northern State University. (2004)
- *Brad K. Wilburn**.....*Assistant Professor of Philosophy*
B.A., Washington University; Ph.D., Stanford University. (2005)

- *Donald R. Williamson, Jr.***Assistant Professor of Mathematics*
 B.A., Hastings College; M.S., University of Nebraska-Lincoln; Ph.D., University of Wisconsin-Madison. (2005)
- Carola K. Winkle***Instructor of Music*
 B.M.E., Huron College; M.S.E., Chadron State College. (2003)
- *James A. Wright***Professor of Computer Systems*
 B.A., Anderson College; M.A.E., Ball State University; Ed.S., Chadron State College; Ed.D., University of Nebraska-Lincoln. (1983)
- Ottley Wright***Assistant Professor of Health, Physical Education and Recreation*
 B.S., Brigham Young University-Hawaii; M.A., University of Northern Colorado. (2003)
- *Georgia A. Younglove***Associate Professor of Agriculture*
 B.S., Oklahoma State University; M.S., Texas A&M University; Ph.D., University of Wyoming. (1998)
- Loren Zimmerman***Assistant Professor of Criminal Justice*
 A.A., Des Moines Area Community College; B.S., California State University; M.F.S. National University. (2005)

(Date indicates first year at Chadron State College)
 *Graduate Faculty



EMERITUS FACULTY AND PROFESSIONAL STAFF

G. Bruce Bartels, Emeritus Professor of Education, 1962-1992
Terrence Brennan, Emeritus Director of Library and Learning Resources, 1980-2004
Charollene Coates, Emeritus Professor of Education, 1985-2000
Patrick Thomas Colgate, Emeritus Dean for the School of Education and Graduate Studies and Professor of Physical Education, 1965-2002
Clifford H. Cox, Emeritus Associate Professor of Chemistry, 1990-2002
Terence E. Davis, Emeritus Professor of Mathematics, 1984-2003
Donald L. Deselms, Emeritus Professor of Psychology and Guidance, 1963-1992
Thomas P. Detwiler, Emeritus Professor of Education, 1965-1994
Rolland L. Dewing, Emeritus Professor of History, 1969-2004
John E. Dillon, Emeritus Assistant Professor of Art, 1966-1995
Jay Dee Druecker, Emeritus Professor of Biology, 1968-2004
Donald J. Duncan, Emeritus Director of Physical Facilities, 1968-1991
Frank Ferguson, Emeritus Professor of Mathematics, 1967-1998
Loren H. Froehlich, Emeritus Professor of Psychology, 1982-2006
James C. Gibson, Emeritus Professor of Biology, 1972-2004
R. Dorset Graves, Emeritus Professor of English, 1958-1990
Noel Gray, Emeritus Professor of Art, 1966-1997
Merlyn L. Gramberg, Emeritus Professor of Industrial Technology Education, 1966-1997
Duane A. Grimme, Emeritus Professor of English, 1970-1995
Donald E. Green, Emeritus Dean for the School of Liberal Arts, 1990-2002
Ernest L. Hall, Emeritus Associate Professor of Industrial Technology Education, 1987-2005
Jackson Hammitt, Emeritus Professor of Music, 1967-1998
Clifford N. Hanson, Emeritus Assistant Professor of Business, 1969-2004
Harry Holmberg, Emeritus Professor of Music, 1953-1982
Alvin Holst, Emeritus Professor of Education, 1983-1996
Carl Horst, Emeritus Associate Professor of Business Education, 1961-1989
Lee N. Hulm, Emeritus Professor of Business, 1969-2004
Delbert Hussey, Emeritus Director for Cooperative Education and Internships, 1969-2002
Jerry L. Ingram, Emeritus Director of Instructional Resources and Telecommunications, 1980-1996
Doralie Lawson, Emeritus Assistant Director of the Child Development Center Laboratory, 1979-2004
Hermine Loghry, Emeritus College Nurse, 1966-2002
Hilda Lopez-Laval, Emeritus Professor of Spanish, 1995-2006
Carl Lukkes, Emeritus Associate Professor of Mathematics, 1965-1994
Roger MacNeill, Emeritus Professor of Music, 1982-2005
James S. McCafferty, Emeritus Associate Professor of Chemistry, 1960-1990
Leland Moeller, Emeritus Professor of Industrial Technology Education, 1972-2004
Amabella S. Muller, Emeritus Tutor-Coordinator, 1975-1992
Christof Muller, Emeritus Assistant Professor of Social Work, 1982-1992
James T. O'Rourke, Emeritus Professor of Agriculture, 1988-2002
Samuel H. Rankin, Emeritus President, 1986-1998
Jacque Schmiedt, Emeritus Dean of Students, 1970-1987
Walter O. Scholl, Emeritus Professor of Humanities, 1967-1992
James Sheaffer, Emeritus Professor of Political Science, 1958-1996
Margie Ann Smith, Emeritus Associate Professor of Physical Education, 1980-2005
Royce L. Smith, Emeritus Associate Professor of Business, 1990-2005
Dirl Steffe, Emeritus Associate Professor of Physics, 1962-1985
Jack L. Swanson, Emeritus Professor of Chemistry, 1971-1995
Darryl Tharalson, Emeritus Professor of Earth Science, 1975-1996
Roger Wess, Emeritus Professor of Education, 1970-2004
William Winkle, Emeritus Professor of Music, 1971-2005

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