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# CHADRON STATE COLLEGE CATALOG

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**Welcome to Chadron State College.**

**Please use the navigation on the left-hand side of your screen to find the appropriate catalog.**

# UNDERGRADUATE CATALOG

## 2023-2024

## Undergraduate Catalog

CHADRON STATE COLLEGE  
Chadron, Nebraska

### A Member of the Nebraska State College System

Welcome to the Chadron State College Undergraduate Catalog. Students are encouraged to use this catalog as a resource and guide to the policies, degree programs, and services available at Chadron State College.

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

## General Information

### Directory

Visit the College directory via its website at: <http://www.csc.edu/directory/index.csc>.

### Student Academic Calendar

Visit the College calendar via its website at: <https://www.csc.edu/academics/academic-calendar/>. Note that CSC reserves the right to make necessary changes in the calendar. Always check the website calendar for the most up-to-date information.

## General Information

For general information about the College, visit: <https://www.csc.edu/about/>.

### Institutional and Program Accreditation

Chadron State College (CSC) is authorized by the Nebraska Legislature to offer undergraduate degree programs and selected master-level degree programs. Continuation and development of applied research and public services activities are additional, legislatively mandated priorities.

As an institution CSC is accredited by the Higher Learning Commission (230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604; 1-800-621-7440) to confer

- residential and online baccalaureate degrees,
- the Master of Education degree,
- the Master of Arts in Education degree,
- the Master of Business Administration degree,

- the Master of Science in Organizational Management degree, and
- the Master of Science in Athletic Training

CSC has attained the following specialized accreditations: National Council for the Accreditation of Teacher Education through CAEP, Council on Social Work Education, Accreditation Council for Business Schools and Programs, National Association of Schools of Music, and the Accreditation Council for Education in Nutrition and Dietetics .

### Education Accreditation

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

In addition, the Education Program is formally accredited through the State of Nebraska's Department of Education.

### Social Work

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

### Business

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

### Music

The National Association of Schools of Music (NASM) establishes national standards for undergraduate and graduate music degrees and other credentials. Institutional Membership is gained only through a peer review process of accreditation. NASM is recognized by CHEA.

### Nutrition and Dietetics

The Accreditation Council for Education in Nutrition and Dietetics (ACEND) is the accrediting agency for education programs preparing students for careers as registered dietitian nutritionists or nutrition and dietetics technicians, registered.

## 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. At CSC, eighteen academic departments are located within the three academic schools listed below with their associated academic dean:

### School of Liberal Arts

The School is administered by the Dean of Essential Studies and the School of Liberal Arts. Departments within the School include:

- Art (<https://www.csc.edu/academics/art/>)
- Communication Arts (<https://www.csc.edu/academics/communication/>)
- English/Humanities/Philosophy (<https://www.csc.edu/academics/english/>)
- Justice Studies (<https://www.csc.edu/academics/justicestudies/>)
- Music (<https://www.csc.edu/academics/music/>)
- History/Social Science (<https://www.csc.edu/academics/social-science/>)
- Theatre (<https://www.csc.edu/academics/theatre/>)

## School of Business, Mathematics, and Science

The School is administered by the Dean of Graduate Studies and the School of Business, Mathematics, and Sciences. Departments within the School include:

- Business (<https://www.csc.edu/academics/business/>)
- Mathematics (<https://www.csc.edu/academics/mathematics/>)
- Biological Sciences (<https://www.csc.edu/academics/sci/>)
- Physical Sciences (<https://www.csc.edu/academics/sci/>)

## School of Professional Studies and Applied Sciences

The School is administered by the Dean of Curriculum and Accreditation and the School of Professional Studies and Applied Sciences. Departments within the School include:

- Agriculture and Rangeland Management (<https://www.csc.edu/academics/rangeland/>) (<http://www.csc.edu/appliedsciences/ag/>)
- Counselor Education (<https://www.csc.edu/academics/counseling/>)
- Education (<https://www.csc.edu/academics/education/>)
- Family and Consumer Sciences (<https://www.csc.edu/academics/fcs/>)
- Health, Physical Education, and Recreation (<https://www.csc.edu/academics/hper/>)
- Military Science Leadership (<https://www.csc.edu/academics/rotc/>)
- Psychological Sciences (<https://www.csc.edu/academics/psychological-sciences/>)
- Social Work (<https://www.csc.edu/academics/socialwork/>)

## History

### History of Chadron State College

Chadron State College is an open-admissions public institution committed to teaching and learning. Intentional dedication to meaningful instructional experiences, practices, and connections have always been the college's primary focus. Student-centered learning is conducted within a community of learners.

Chadron State College, founded in 1911, began as a school that primarily prepared teachers. The institution has evolved into offering a strong undergraduate baccalaureate general education in pre-professional programs in a variety of disciplines. The undergraduate offerings are complemented with a limited number of master's programs in education (1956), business (1984), organizational management (2006), and athletic training (2022). Within the Carnegie classification of institutions in

higher education Chadron State College is under the category of Master's Colleges and Universities – Medium Programs. Chadron State College has consistently maintained accreditation with the Higher Learning Commission and selected subject-oriented specialized accrediting agencies. Chadron State College is accredited by the Higher Learning Commission (<https://www.hlcommission.org>), a regional accreditation agency recognized by the U.S. Department of Education.

Chadron State College is the only four-year college serving the western half of Nebraska. The region served is the nexus of western Nebraska, High Plains, and the Frontier and Remote (FAR) communities. Chadron and other towns in the college's service region are classified as FAR level three communities because of the distance from an area of more than 10,000 people. Only about 1.4% of the U.S. population resides in FAR level three communities.

CSC has a special cultural and economic component to its regional role. A strong sense of community, resilience to adversity, and a practical approach have embodied the character of the college and region for more than a century.

## Vision and Mission

### Vision Statement

Chadron State College aspires to continue as a learner-centered institution. We are committed to students through our focus on continuous improvement and excellence in teaching, applied scholarship, and service.

### Mission Statement

Chadron State College delivers experiences that foster knowledgeable and engaged leaders and citizens to enrich the High Plains region and beyond.

## Equal Opportunity Policies

Please refer to NSCS Board Policy 2700 (<https://www.nscs.edu/policy-manual/detail/15-2700-equal%20educational%20opportunity/>) (Equal Educational Opportunity Policy) and Chadron State College Employment and Education Opportunity Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3443/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>) for further details and information on how to file a report regarding discrimination or harassment.

Please refer to NSCS Board Policy 3700 (<https://www.nscs.edu/policy-manual/detail/41-3700-accommodations%20for%20students%20with%20disabilities/>) (Accommodations for Students with Disabilities) for further details on the College's written policy regarding the Americans with Disabilities Act (ADA).

## Use of Humans and Animal Participants in Research

Please refer to Chadron State College Use of Humans and Animal Participants in Research Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3498/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>) for further details.

## Admissions

Apply for college admittance (<https://csprdsc.nebraska.edu/psc/csprdsc/NBC/HRMS/s/>)



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 cref=NBC\_NVC\_DASH\_ADMISSIONSAPP&next\_path=admissionsapp.root.app&check\_apps=NBCAD\_APP&instit

General admissions information (<https://www.csc.edu/admissions/>)

For information on specific categories, visit:

- Early Entry (<https://www.csc.edu/admissions/earlyentry/>)
- Freshman (<https://www.csc.edu/admissions/freshman-requirements/>)
- Freshman International (<https://www.csc.edu/international/>)
- Returning to CSC (Re-admit) (<https://www.csc.edu/admissions/>)
- Transfer (<https://www.csc.edu/admissions/transfer/>)
- Transfer International (<https://www.csc.edu/international/>)
- Information about the matriculation fee (<https://www.csc.edu/admissions/>)
- Information on the New Student Orientation (NSO) Fee (<https://www.csc.edu/orientation/>)

## Technology Requirements

### CSC Online

If students are required to complete coursework online, access to the learning management system, CSC Online - Canvas (<https://chadron.instructure.com/>), will be provided.

### MyCSC Student Access

CSC students are required to use the electronic resource **MyCSC** to access information.

From **MyCSC**, students will be able to:

- Check “to do” list
- View and pay bill
- Add and drop courses
- View, accept, and decline financial aid
- Change contact information
- View advisors
- Check their academic requirements (degree audit)

How to log in to MyCSC:

1. Go to <http://www.csc.edu>
2. Click on **MyCSC**
3. Enter NUID and password or click on Show Campuses and enter your CSC credentials

### EagleMail

Every student applicant is given an EagleMail account. **A student's EagleMail account is the official email address for all communication from CSC offices and instructors. Students are strongly encouraged to check their EagleMail account frequently.**

### IT Help Desk

Students can contact the IT Help Desk by calling 308-432-6311 or emailing [helpdesk@csc.edu](mailto:helpdesk@csc.edu) for assistance with technology-related issues.

## Costs and Financial Aid

### Costs

The Board of Trustees for the Nebraska State Colleges establishes a schedule of tuition and fees to be charged by the State Colleges (NSCS Board Policy 6500 (<https://www.nscs.edu/policy-manual/detail/122-6021-tuition%20rates/>)). Specific courses may have additional assessed fees.

Online courses are assessed at a combined-tuition-and-fees set rate per credit hour. See current tuition and fees. (<https://www.csc.edu/businessoffice/tuition-and-fees/>)

On-campus housing rates (<https://www.csc.edu/housing/housing-rates/>) are also available.

Payment plans (<https://www.csc.edu/businessoffice/payment-plans/>) are available upon discussion with the CSC Business Office.

Account information is distributed through MyCSC. Students should check their account balance regularly.

### Financial Aid

Federal financial aid is available to those who qualify. To apply for financial aid, go to <https://studentaid.gov/h/apply-for-aid/fafsa> (<https://studentaid.gov/h/apply-for-aid/fafsa/>) and complete the application (FAFSA).

Please contact the START office (<https://www.csc.edu/start/>) for more information on the application process, available funds, and qualifications.

In addition, financial aid recipients are required to meet minimum academic performance standards as described in the Satisfactory Academic Progress Policy (Undergraduate (<https://app.policyiq.com/ChadronStateCollege/Content/View/3511/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)).

### Registration

The *Undergraduate Catalog* is the authoritative source for information about program and graduation requirements and regulations.

Students are encouraged to meet with an advisor prior to registering for classes and to register during early enrollment periods to ensure course availability. The College reserves the right to cancel courses with low enrollments. Furthermore, the College reserves the right to modify the published schedule without prior notice.

Ultimately, students are responsible for their own academic planning; they are responsible for fulfilling degree requirements and for abiding with all regulations.

- Academic Requirements (<https://www.csc.edu/start/enrollment/academic-requirements/>)
- Advising (<https://www.csc.edu/start/academic-advising/>)
- Catalog Assignment (<https://www.csc.edu/records/academic-information/>)
- Changes to Class Schedules (<https://app.policyiq.com/ChadronStateCollege/Content/View/3431/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Course Numbers (<https://www.csc.edu/records/academic-information/>)

- Course Sections (<https://www.csc.edu/records/academic-information/#item-34931>)
- Grade Level/Classification (<https://www.csc.edu/records/academic-information/>)
- Schedule of Classes (<https://www.csc.edu/start/enrollment/>)

## Expectations and Academic Conduct

### Civility

Civil behavior enhances the learning environment and is expected at all times. Courtesy and respect for others are essential elements to the learning process. Courses offered through Chadron State College welcome a difference of opinion, discourse, and debate within a civil environment. Please refer to NSCS Board Policy 3100 (<https://www.nscs.edu/policy-manual/detail/28-3100-conduct%20%26%20discipline%3B%20students/>) (Conduct and Discipline; Students) for further information.

### Class Attendance and/or Participation

Please refer to the Chadron State College Class Attendance and/or Participation policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3432/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>) for further details.

## Academic Policies

Although academic advisors are here to help, it is important for students to realize that they are responsible for meeting all graduation requirements.

- **Academic Amnesty Policy**
- Academic Good Standing, Probation & Suspension Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3420/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- **Academic Honesty Policy**
- **Academic Honors**
- **Audited Course Policy**
- **Grades**
- **Grade Point Average**
- **Grade Appeals Policy**
- **Graduation Honors**
- Family Educational Rights & Privacy Act (FERPA) (<https://www.nscs.edu/policy-manual/detail/39-3650-student%20records/>)
- **Petitioning for Incomplete**
- Refund Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3496/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Satisfactory Academic Progress Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3511/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Student Right to Know (<https://www.csc.edu/ir/>)

## Student Services

- Campus Activities (<https://www.csc.edu/cab/>)
- Financial Aid (<https://www.csc.edu/start/financial-aid/>)
- Health Services (<https://www.csc.edu/healthserv/>)
  - Personal Counseling (<https://www.csc.edu/healthserv/counseling-services/>)

- Housing (<https://www.csc.edu/housing/>)
  - Residence Life (<https://www.csc.edu/housing/residence-life/>)
- International Education (<https://www.csc.edu/international/>)
- Library Learning Commons (<https://www.csc.edu/library/>)
- Office of Academic Success (<https://www.csc.edu/oas/>)
  - Academic Planning (<https://www.csc.edu/academic-planning/>)
  - Career Services (<https://www.csc.edu/careerservices/>)
  - Disability Services (<https://www.csc.edu/disability-services/>)
  - Internships (<https://www.csc.edu/internship/>)
  - Learning Lab (<https://www.csc.edu/learninglab/>)
  - Support and Intervention (<https://www.csc.edu/academic-support-and-intervention/>)
- Project Strive/TRiO (<https://www.csc.edu/projectstrive/>)
- Scholarships (<https://www.csc.edu/start/financial-aid/scholarships/>)
- Student Transition and Registration Team (START) (<https://www.csc.edu/start/>)
- Transitional Studies (<https://www.csc.edu/academics/transitional-studies/>)

## Veteran Services

### Veterans Benefits and Transition Act of 2018

In accordance with Title 38 US Code 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA.

This school will not:

- Prevent nor delay the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources available to other students who have satisfied their tuition and fee bills to the institution, including but not limited to access to classes, libraries, or other institutional facilities.

However, to qualify for this provision, such students may be required to:

- Produce the Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies.

## Veteran and Eligible Person Addendum

### Standards of Progress Policy

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

For Veteran certification information, please contact [veteranservices@csc.edu](mailto:veteranservices@csc.edu) or contact them by phone at 308-432-7031.

## Definitions of CSC Course Formats

Students are expected to achieve course learning outcomes irrespective of the course delivery formats or modality of instruction. Significant factors in student achievement of outcomes or competencies include active participation and focused effort. At a minimum, one course credit consists of a 45-hour time commitment that includes:

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

The completion of the 45-hour time commitment does not ensure a passing grade. Achievement of the course outcomes or competencies must be demonstrated.

## Classroom-based Courses

Classroom-based courses require participation within the traditional classroom; these are *not* distance learning courses. Listed below are CSC course numbers that may be characterized as “classroom-based.”

| Number  | Type         | Description  |
|---------|--------------|--|
| 01-1000 | Face-to-Face | These course sections are conducted in an onsite face-to-face format or mode of instruction.   |
| 99      | Hybrid       | These sections are conducted in an onsite face-to-face format or mode of instruction that includes a virtual learning experience and/or component. |
| 89      | Blended      | These sections accommodate both on-campus and distance learners; see the following section for an expanded description.                            |

## Distance-Learning Courses

Distance learning courses are fully online and can be completed without onsite classroom meetings. The following course sections are available entirely on the Internet:

| Number | Type   | Description  |
|--------|--------|--|
| 79     | Online | These sections require that all students participate and interact with one another and with their instructors completely online. |

|    |         |  |
|----|---------|--|
| 89 | Blended | These sections are designed to accommodate both distance learners and onsite learners. Distance learners access all course materials online. Required participation is electronically mediated. Onsite learners have online access to course materials, but are required to attend regularly scheduled face-to-face classroom instruction. |
|----|---------|--|

## Off-Campus Onsite Courses

Off-campus onsite course sections are conducted in a classroom geographically separate from the CSC campus in Chadron, NE. These locations do not have a full range of administrative and student services staffed by the facilities personnel. Such services are provided in Chadron. A facility may provide access to instruction requiring students to be present at a physical location that receives interactive video or other forms of web-based instruction. The following course sections are characterized as off-campus onsite courses:

| Number | Type  | Description                                      |
|--------|---|--|
| 4000   | Face-to-Face, Synchronous, or Interactive Video | These sections are conducted in Scottsbluff, NE. |

## Course Credit Alternatives

### Course Credit Alternatives

Please consult the Chadron State College Transfer Evaluation System ([https://tes.collegesource.com/publicview/TES\\_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac](https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac)) (TES) to see how alternative credits typically transfer. The information provided is a guide and should be considered unofficial. Final determination of transfer credit acceptance is ultimately made by an academic advisor and academic dean in your area of study.

### Advanced Placement-AP

- 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
- For more information, please consult the Chadron State College Transfer Evaluation System ([https://tes.collegesource.com/publicview/TES\\_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac](https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac)) (TES) ([https://tes.collegesource.com/publicview/TES\\_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac](https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac)) for **The College Board AP/CLEP**

## College Level Examination Program-CLEP

- Chadron State College accepts College Level Examination Program (CLEP) credit toward degree completion
- Students must be enrolled at CSC to receive CSC credit for CLEP
- CLEP tests must be completed before an individual has taken any college level course in the discipline in which credit is sought
- A maximum of 18 CLEP credits may be applied to a degree. CLEP credits may contribute to a maximum of 42 credits of experiential learning credit
- Please refer to the Chadron State College College Level Examination Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3434/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- For more information, please consult the Chadron State College Transfer Evaluation System ([https://tes.collegesource.com/publicview/TES\\_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac](https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac)) (TES) ([https://tes.collegesource.com/publicview/TES\\_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac](https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac)) for **The College Board AP/CLEP**

## Course Challenge

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

- Requests to challenge a course must be made to the academic dean of the school in which the course is listed
- Request(s) to challenge must be made prior to attending the course
- The academic dean and the appropriate department will determine if the course is available for challenge and whether the challenge shall be by comprehensive examination and/or by some other evidence of competence in the subject matter of the course
  - Exceptions:
    - When the course is a 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
- 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 CSC course credits
- Forms for undergraduate course challenges (<https://www.csc.edu/records/academic-information/>) are available online.
- Fees (<http://www.csc.edu/businessoffice/>) are determined annually and are charged through the Business Office.
- Other policies may apply.

## International Baccalaureate Credit-IB

- Chadron State College accepts credit from students who have completed the International Baccalaureate diploma program through their high school
- Acceptance of specific credits is determined in consultation with appropriate academic departments and the academic dean of the appropriate school
- For more information, please consult the Chadron State College Transfer Evaluation System ([https://tes.collegesource.com/publicview/TES\\_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac](https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac)) for **International Baccalaureate (IB)**

e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac) (TES) ([https://tes.collegesource.com/publicview/TES\\_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac](https://tes.collegesource.com/publicview/TES_publicview01.aspx?rid=4788ae1b-9752-48b8-85bb-e9dbfa609669&aid=892e15c0-8c28-4f60-a482-46780dbf01ac)) for **International Baccalaureate (IB)**

## Experiential Learning Independent Study

Independent Study allows students to learn under the supervision of faculty members outside the normal classroom setting. Undergraduate students are limited to a total of nine course credits during their academic career with no more than six course credits completed in any one department.

An independent study course:

- Must be initiated by the student, who should contact their instructor to receive a copy of the independent study form, complete part one of the document, and return to the instructor.
- Is permitted only under special circumstances and with instructor, Dean of Curriculum, and Vice President for Academic Affairs approval.

## Internships

The Internship Program provides a structured educational experience integrating classroom theory with supervised, planned, and progressive work experience in the student’s field of study. The program is designed to supplement and complement the traditional curriculum at CSC. The goal of this experience will be to enhance the student’s educational, professional, and personal development. Contact Career and Academic Planning Services (<http://www.csc.edu/internship/>) in the Reta E. King Library Learning Commons for approval and additional information.

## Study Abroad

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

- Study at foreign universities for one or more semesters, and transfer the credit to CSC
- Earn CSC course credit for short-term international study courses, led by CSC faculty
- Qualify for financial aid

For more information, please visit the CSC Study Abroad (<https://www.csc.edu/studyabroad/>) website.

## Undergraduate Degrees and Endorsements 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 Science
- Bachelor of Arts

- Bachelor of Science
- Bachelor of Science in Education

## Bachelor of Applied Science

The Bachelor of Applied Science is a specialized baccalaureate degree restricted to individuals who transfer to Chadron State College with a completed Associate of Science, Associate of Applied Science, or Associate of Occupational Science degree from an accredited community or technical college. Students are required to complete an official plan of study prior to admission into this degree program. The specialized Essential Studies Program requirements for this degree are listed with the degree program. Additional information can be obtained from the Dean of Curriculum; or see Technical Occupations (<https://www.csc.edu/academics/bachelor-of-applied-science-degree/>).

## Bachelor of Arts and Bachelor of Science

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

In addition to the general requirements for graduation, candidates for the Bachelor of Arts and the Bachelor of Science degree are required to complete the Essential Studies Program and the requirements for at least one subject major and either a second major or a minor, or one comprehensive major. Elective courses may be selected to reach the total of 120-course credit 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, as long as 50 percent of the coursework is unduplicated. 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 course credits), but are not required in conjunction with comprehensive majors (48-57 course credits). However, a minor may be added as long as 50 percent of the coursework is unduplicated by the major.

### Certificates

Certificates require a completion of 9 - 15 course credits from a curriculum list found in the college catalog. Graduate certificates will require a completion of a Bachelors degree before admission.

## Bachelor of Science in Education

The degree of Bachelor of Science in Education is conferred upon those who complete the teacher-preparation programs of study. In addition to the general requirements for graduation, candidates for the degree of Bachelor of Science in Education must complete the Essential Studies program and the Professional Education requirements for their certificate.

- Students pursuing middle school education must also complete one Core Academic Area programs of study.

- Students pursuing secondary education must also complete one subject or field endorsement in addition to the corresponding special methods course for each endorsement being pursued.

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 (<https://www.csc.edu/directory/dperkins/>) to ensure fulfillment of the teaching certification requirements for those other states.

## Pre-Professional Curricula

Students may pursue a pre-professional program 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 co-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 their own educational needs. Students interested in pre-professional programs should contact the appropriate academic faculty.

## Teacher Certification Endorsement

Information concerning the specific requirements for the various teaching certificates in Nebraska may be secured from the Certification Officer ([fieldexperience@csc.edu](mailto:fieldexperience@csc.edu)) in the Department of Education.

### Added Endorsements

If an individual wishes to add one or more undergraduate teaching endorsements to a current teaching certificate, a minimum of 30 credit hours for each endorsement is required with the exception of supplemental endorsements. Additional hours may be required.

All transfer courses, if applicable, must be approved by the Director of Field Experiences/Certification Officer (<https://www.csc.edu/directory/dperkins/>).

Please contact the Director of Field Experience/Certification Officer (<https://www.csc.edu/directory/dperkins/>) for additional information.

## Regulations Governing Graduation

### Graduation Requirements

For additional information, please refer to Credit Hour Requirements (Undergraduates) (<https://www.csc.edu/records/graduation-information/>).

### Credit Hour Requirement

For more information about Credit Hour Requirements, please consult Nebraska State College System, Board Policy 4140 (<https://www.nscs.edu/policy-manual/detail/46-4140-academic%20program%20and%20degree%20requirements/>).

- Students must earn a minimum of 120 semester credit hours, of which 40 credit hours must be in 300 or 400 (junior or senior) level courses, to meet the requirements for all baccalaureate degrees.
- Students are required to use a catalog of the year they enrolled or a subsequent catalog. Students may not graduate under the provisions of a catalog 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.

- 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 who do not transfer in an Associate's degree that has a minimum of 30 hours of general studies coursework, must complete all Essential Studies courses as listed in the catalog. Transfer guides (<https://www.csc.edu/admissions/transfer/transfer-guides/>) indicate courses from other institutions that may satisfy individual Essential Studies course requirements. Depending on the program of study, Essential Studies requirements may vary. Consult your academic advisor (<http://prezi.com/nzhhyut7jiug/find-your-advisor-on-your-mycsc-account/>) or your degree audit in your MyCSC.
- Essential Studies are required for all students earning their first bachelor's degree with the exception of the Bachelor of Applied Sciences (BAS) degree. BAS degree students are required to take Essential Studies SLO #2-SLO: #11.
- No more than 66 credit hours may be transferred or applied towards a bachelor's degree from accredited 2-year colleges.
- Unlimited credit hours may be transferred from regionally accredited four-year colleges, although individual programs may have restrictions and the student must meet other graduation requirements.
- A minimum completion of at least 30 semester hours of credit earned from Chadron State College is required for each bachelor's degree.
- A minimum grade point average of 2.00 must be maintained to be in good academic standing. This grade point average is required for Bachelor of Applied Science, Bachelor of Arts and Bachelor of Science degrees. A minimum grade point average of 2.75 must be maintained for a Bachelor of Science in Education degree. Some programs have specific grade point averages. See specific programs for additional information.
- Graduation with Academic Honors requires completion of at least 45 hours from Chadron State College by the end of the first 8-week session of the semester in which graduation occurs.
  - Those attaining high grade point averages will be cited as follows:
    - 3.90 - 4.00 Summa Cum Laude
    - 3.75 - 3.89 Magna Cum Laude
    - 3.60 - 3.74 Cum Laude
  - Graduate students and students receiving a second Bachelor's Degree are not eligible for honors recognition

## Essential Studies Program

### Philosophy of Essential Studies

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

## Institutional Focus Areas and Student Learning Outcomes

### Essential Studies Structural Criteria

All first year students will take six (6) course credits of interdisciplinary, issue- or theme-based First Year Inquiry (FYI) to orient them to the Essential Studies Program, critical inquiry, and creative problem solving. This experience may be a single six-credit course or two three-credit courses. It is strongly recommended that students enroll in and complete the six-credit FYI requirement with the first thirty (30) credits taken at CSC.

1. Students are required to complete three (3) course credits to satisfy each outcome in the Skills, Modes of Inquiry, Personal and Social Responsibility, and Capstone Integration areas (Outcomes 2-12).
2. Some Essential Studies courses may be team-taught, six-credit interdisciplinary courses that have been approved to address two Essential Studies Outcomes (Outcomes 2-12).
3. A single three-credit Essential Studies course may be approved to address a maximum of one Essential Studies Outcome.
4. Up to nine (9) Essential Studies Program credits can apply toward any comprehensive major, while up to six (6) credits can apply toward a subject major. Those same credits can apply to up to 9 hours of a minor.<sup>1</sup>
5. Essential Studies requirements may vary based on program. Check the program requirements for the major you are seeking and contact an academic advisor for suggested courses.
6. Students who have completed an Associate Degree from a regionally accredited institution that includes at least thirty (30) credit hours of general studies courses will have met all Essential Studies requirements. Completion of specific lower division courses may be required in individual degree programs.
7. Students who have completed coursework at another accredited institution with no direct transfer equivalent at CSC may petition to receive Essential Studies credit for a given outcome. Please contact the Student Transition and Retention Team (START) Office (<https://www.csc.edu/start/>) to request this consideration using the ESP Course Equivalency Form

<sup>1</sup> Students majoring in Elementary Education are allowed to overlap up to thirteen (13) credits required for their major with Essential Studies courses

### Placement Guidelines for Student Learning Outcomes #1 and #2

A student with an official high school GPA of 2.99 and below will be first enrolled by the Director of the Transitional Studies Program (TSP) into appropriate TSP courses to provide additional support for successful subsequent enrollment into First-Year Inquiry (Outcome #1) and English (Outcome #2) courses. TSP courses do not fulfill Essential Studies SLO #1 or SLO #2 but do fulfill elective CSC degree requirements.

### Placement Exam Requirement for Student Learning Outcome #4

Before a student may enroll in any course satisfying SLO 4 (listed below), they are required to take a placement exam developed by the CSC Math Program faculty to determine whether a student is prepared for success in an SLO 4 course. Based on the results of this placement exam, students lacking sufficient preparation will be required to first enroll in and successfully complete the appropriate Transitional Studies Program

(TSP) math course(s) suggested by the Math program faculty. TSP math courses do not fulfill the SLO 4 requirement. All TSP courses should be taken as soon as possible. Contact the TSP Director for more information (tsp@csc.edu).

A student may request a placement exam waiver if they meet one of the following criteria:

1. **PRIOR COLLEGE CREDIT** – If the student has earned a grade of C-minus or higher in a college-level mathematics course at another college or university, they are not required to take the placement exam. A college transcript is required before the placement exam can be waived. Additional college-level mathematics courses may need to be taken by the student, depending upon their chosen program of study.
2. **ACT or SAT SCORES** – If the student has a math ACT score of 20 or above OR a math SAT score of 1040 or above from a test administered within the last three years, they will be exempt from the placement test.
3. **AP EXAM SCORES** – If the student has earned a 3 or higher on the AP Calculus or AP Statistics exam, they will not be required to take the placement exam. A College Board Score Report or high school transcript displaying the AP exam score is required before the placement exam can be waived.

**These placement guidelines and requirements apply to both online and campus-based students.**

**Students shall begin any necessary Transitional Studies Program (TSP) coursework in their first semester of enrollment at CSC, with continuous enrollment in those courses until successfully completed.**

## Student Learning Outcomes and Courses First Year Inquiry (FYI) (6 course credits)

### Student Learning Outcome (SLO) 1

Students will practice skills involved in Critical Inquiry and Creative Problem Solving through interdisciplinary, collaborative engagement of a specific issue or theme.

| Code                                 | Title  | Credits |
|--------------------------------------|--|---------|
| Select 6 credits from the following: |  | 6       |
| FYI 169A                             | HEALTH CARE I: A CHOICE OR A RIGHT (3 credits)   |         |
| FYI 169B                             | ENEMY MINE: THE EXTREME OTHER (6 credits)  |         |
| FYI 169C                             | THE NATION AND THE GLOBE (6 credits)   |         |
| FYI 169D                             | MONSTERS AND MAGIC (6 credits)   |         |
| FYI 169E                             | ENVIRONMENTAL POLICY: BEYOND THE SOUND BITES (6 credits)                                       |         |
| FYI 169F                             | A POX ON YOU: THE BIOLOGICAL, LEGAL AND SOCIAL CONSEQUENCES OF INFECTIOUS DISEASES (6 credits) |         |
| FYI 169H                             | MATHLETICS: NOT FOR SPECTATORS (6 credits)   |         |
| FYI 169I                             | WE ARE WHAT WE EAT (3 credits)   |         |
| FYI 169J                             | THE HIDDEN LIFE OF EVERYDAY THINGS (3 credits)   |         |
| FYI 169K                             | A BETTER YOU-THROUGH FINANCIAL AND PHYSICAL HEALTH (6 credits)                                 |         |
| FYI 169N                             | VIRTUE AND THE WARRIOR SPIRIT (6 credits)  |         |

|           |  |
|-----------|--|
| FYI 1690  | 10,000 B.C., GREAT PLAINS, NORTH AMERICA: HUMAN SURVIVAL AND THE ENVIRONMENT (6 credits) |
| FYI 169Q  | PRIVATE PARTS: THE PSYCHOSOCIAL AND BIOLOGICAL ASPECTS OF SEXUALITY (6 credits)          |
| FYI 169R  | HEALTH CARE II: A CHOICE OR A RIGHT (3 credits)  |
| FYI 169U  | STUDY OF NATURAL DISASTERS (3 credits)   |
| FYI 169V  | NUTRITION, WEIGHT LOSS AND WELLNESS (3 credits)  |
| FYI 169W  | LITERATURE AND PRACTICE OF WORLD RELIGIONS (6 credits)                                   |
| FYI 169X  | SURVIVAL SKILLS 101 (3 credits)  |
| FYI 169Y  | PLANTS, BEVERAGES-HUMAN HISTORY (3 credits)  |
| FYI 169Z  | FORGIVENESS (3 credits)  |
| FYI 169AA | HOME ON THE RANGE (6 credits)  |
| FYI 169AB | LEARNING TO SERVE (3 credits)  |
| FYI 169AC | THE 20TH CENTURY AMERICAN ROAD (6 credits)   |
| FYI 169AD | FOOTBALL, AMERICAN STYLE (6 credits)   |
| FYI 169AE | HAPPINESS (6 credits)  |
| FYI 169AF | STUDY THE WORLD (3 credits)  |
| FYI 169AG | ANALYZING ADOLESCENCE (3 credits)  |
| FYI 169AH | FASHIONOMICS (3 credits)   |
| FYI 169AI | RELATIONSHIPS 2.0 (3 credits)  |
| FYI 169AJ | INTO THE MARTIAL ARTS (6 credits)  |
| FYI 169AK | TOPICS IN FIRST YEAR INQUIRY (3-6 credits)   |
| FYI 169AL | MATTERS OF OPINION (3 credits)   |
| FYI 169AM | ZOMBIEPOCALYPSE; ZOMBIES IN POPULAR CULTURE (3 credits)                                  |
| FYI 169AN | GAZE ANATOMY: GENDER, RACE, SEXUALITY AND CLASS IN MEDIA (3 credits)                     |
| FYI 169AO | MUSIC AND THE MIND (3 credits)   |
| FYI 169AP | HOW TO READ A FILM (3 credits)   |
| FYI 169AQ | HOW TO LEARN ANYTHING (6 credits)  |
| FYI 169AR | HUMANS AND ANIMALS: FRIENDS OR FOES? (3 credits)   |
| FYI 169AS | THEATRE AS A COLLABORATIVE ART FORM (3 credits)  |
| FYI 169AT | HEALTHY SKEPTICISM (3 credits)   |
| FYI 169AU | ANCIENT MONUMENTS (3 credits)  |
| FYI 169AV | VULCANS AND VOLCANOLOGY (3 credits)  |
| FYI 169MU | OPENING PANDORA'S MUSIC BOX (3 credits)  |
| FYI 169VG | VIDEO GAMES: INTERACTIVE MEDIA & SOCIETY (3 credits)                                     |

**Total Credits**

**6**

### Skills (12 course credits)

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

### Student Learning Outcome (SLO) 2

Students will use writing as a tool for learning and thinking, and will compose texts that address diverse writing situations purposefully,

making appropriate use of evidence and conventions, including Standard Edited English.

| Code                         | Title                | Credits  |
|------------------------------|----------------------|----------|
| Select one of the following: |                      | 3        |
| ENG 135                      | RHETORIC AND WRITING |          |
| ENG 136                      | TOPICS IN WRITING    |          |
| ENG 137                      | TECHNICAL WRITING    |          |
| <b>Total Credits</b>         |                      | <b>3</b> |

NOTE: Students pursuing select programs of study may need to complete two courses in this skill set; see individual program requirements for details.

### Student Learning Outcome (SLO) 3

Students will demonstrate communication competence in two or more of the following ways:

1. by making oral presentations with supporting materials,
2. by leading and participating in problem-solving teams,
3. by employing a repertoire of communication skills for developing and maintaining professional and personal relationships, or
4. by employing listening skills.

| Code                         | Title  | Credits  |
|------------------------------|--|----------|
| Select one of the following: |  | 3        |
| BA 331                       | BUSINESS COMMUNICATIONS                      |          |
| CA 125                       | FUNDAMENTALS OF ORAL COMMUNICATION           |          |
| CA 130                       | INTERPERSONAL COMMUNICATION                  |          |
| CA 155                       | PUBLIC SPEAKING                              |          |
| CA 225                       | COMMUNICATING IN GROUPS AND TEAMS            |          |
| CA 330                       | CONFLICT RESOLUTION AND MEDIATION            |          |
| COUN 225                     | ADDICTION COUNSELING WITH GROUPS             |          |
| COUN 321                     | ADDICTION COUNSELING THEORIES AND TECHNIQUES |          |
| <b>Total Credits</b>         |  | <b>3</b> |

### Student Learning Outcome (SLO) 4

Students will demonstrate the application of mathematical terminology, expressions, and logical reasoning abilities to model, draw inferences, and to mathematically solve problems within our world.

This SLO requires that a student first take a placement exam (see "Placement Exam Requirement for Student Learning Outcome #4," above.)

Advisors: see table below for advising suggestions based on high school mathematics background.

| Code                         | Title                                      | Credits |
|------------------------------|--|---------|
| Select one of the following: |  | 3       |
| MATH 133                     | INTRODUCTION TO MATHEMATICS                |         |
| MATH 134                     | PLANE TRIGONOMETRY                         |         |
| MATH 135                     | PRE-CALCULUS MATHEMATICS                   |         |
| MATH 137                     | MATHEMATICS TOPICS FOR ELEMENTARY TEACHERS |         |
| MATH 138                     | APPLIED CALCULUS                           |         |
| MATH 142                     | COLLEGE ALGEBRA (4 credits)                |         |

|          |                           |
|----------|---------------------------|
| MATH 151 | CALCULUS I (5 credits)    |
| MATH 232 | APPLIED STATISTICS        |
| MATH 239 | DISCRETE MATHEMATICS      |
| PHIL 233 | SYMBOLIC LOGIC            |
| PSYC 240 | STATISTICS FOR PSYCHOLOGY |

**ADVISORS: Once the student has demonstrated eligibility to enroll in an SLO 4 course, the following table (based on high school mathematics background) can be used as guidelines for enrollment. All courses are three (3) credits unless otherwise noted:**

| High School Background                          | Additional Guidelines for Enrollment in SLO 4 courses  |
|---|--|
| No Algebra                                      | MATH 133 Introduction to Mathematics.  |
| One (1) Year Algebra                            | MATH 137 Mathematics Topics for Elementary Teachers (if Ed. Major) OR MATH 232 Applied Statistics OR PHIL 233 Symbolic Logics OR PSYC 240 Statistics for Psychology.                             |
| One (1) Year Algebra and One (1) Year Geometry  | MATH 142 College Algebra (4 credits) OR PHIL 233 Symbolic Logic OR PSYC 240 Statistics for Psychology  |
| Two (2) Years Algebra                           | MATH 138 Applied Calculus OR MATH 142 College Algebra (4 credits) OR MATH 232 Applied Statistics OR PHIL 233 Symbolic Logics OR PSYC 240 Statistics for Psychology.                              |
| Two (2) Years Algebra and One (1) Year Geometry | MATH 134 Plane Trigonometry OR MATH 135 Pre-Calculus Mathematics OR PHIL 233 Symbolic Logics OR PSYC 240 Statistics for Psychology.  |
| Four (4) Years Math (including Trigonometry)    | MATH 138 Applied Calculus OR MATH 151 Calculus I (5 credits) OR MATH 232 Applied Statistics, OR MATH 239 Discrete Mathematics OR PHIL 233 Symbolic Logics OR PSYC 240 Statistics for Psychology. |

Note: MATH 101 PRE-ALGEBRA and MATH 102 PRE-COLLEGE ALGEBRA are Transitional Studies Program (TSP) courses: they do not fulfill SLO 4 but do fulfill CSC elective degree requirements.

### Student Learning Outcome (SLO) 5

Students will practice one or more creative art forms, such as music, theatre, creative writing, visual art, and the design arts.

| Code                                     | Title                           | Credits |
|--|---------------------------------|---------|
| Select three credits from the following: |                                 | 3       |
| ART 120                                  | DRAWING FOR THE NON-MAJOR       |         |
| ART 200                                  | CERAMICS FOR THE NON ART MAJOR  |         |
| ART 201                                  | SCULPTURE FOR THE NON ART MAJOR |         |
| ART 223                                  | BLACK AND WHITE PHOTOGRAPHY     |         |
| ART 229                                  | INTRO TO GRAPHIC DESIGN         |         |
| ART 237                                  | FIBER ARTS I                    |         |



|               |  |
|---------------|--|
| ART 322       | GRAPHIC DESIGN-SOFTWARE  |
| ART 343       | DIGITAL PHOTOGRAPHY  |
| CA 144        | ORAL INTERPRETATION & PERFORMANCE STUDIES                                      |
| CA 215        | AUDIO PRODUCTION   |
| CA 245        | VIDEO PRODUCTION   |
| CA 345        | BROADCAST PRODUCTION   |
| ENG 299       | INTRODUCTION TO CREATIVE WRITING   |
| ENG 399A      | INTERMEDIATE CREATIVE WRITING: NONFICTION                                      |
| ENG 399B      | INTERMEDIATE CREATIVE WRITING: FICTION   |
| ENG 399C      | INTERMEDIATE CREATIVE WRITING: POETRY  |
| MS 331        | EXHIBIT DESIGN   |
| MUS 102       | WIND SYMPHONY (repeatable)   |
| MUS 103       | CONCERT CHOIR (repeatable)   |
| MUS 110       | KEYBOARD ENSEMBLE (repeatable)   |
| MUS 111       | GUITAR ENSEMBLE (repeatable)   |
| MUS 121       | CHADRON STATE COMMUNITY SYMPHONIC BAND   |
| MUS 216       | GUITAR CLASS   |
| MUS 230       | VOICE CLASS FOR NON-MAJORS   |
| MUS 267       | THE VIRTUAL MUSICIAN   |
| MUS 268       | BASIC PIANO SKILLS   |
| MUS 302       | WIND SYMPHONY (repeatable)   |
| MUS 303       | CONCERT CHOIR (repeatable)   |
| MUS 311       | GUITAR ENSEMBLE (repeatable)   |
| TH 134        | PRINCIPLES OF ACTING   |
| TH 141        | COSTUME CONSTRUCTION   |
| TH 159 & 159L | TECHNICAL THEATRE and TECHNICAL THEATRE LABORATORY                             |
| TH 222        | STAGE MAKE-UP  |
| TH 241        | INTRODUCTION TO COSTUME DESIGN   |
| TH 242 & 242L | INTRODUCTION TO LIGHTING DESIGN and INTRODUCTION TO LIGHTING DESIGN LABORATORY |

**Total Credits** **3**

### Modes of Inquiry (9 Course Credits)

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

### Student Learning Outcome (SLO) 6

Students will employ scientific methodology to analyze and explain how the natural world functions and how humans interact with it.

| Code                                  | Title  | Credits |
|---------------------------------------|--|---------|
| Select one of the following: <b>3</b> |  |         |
| AGRI 348                              | RANGELAND HYDROLOGY                                  |         |
| BIOL 101 & 101L                       | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY   |         |
| BIOL 102 & 102L                       | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY |         |
| BIOL 121 & 121L                       | HUMAN BIOLOGY and HUMAN BIOLOGY LABORATORY           |         |
| BIOL 136 & 136L                       | BIOLOGICAL SCIENCE and BIOLOGICAL SCIENCE LABORATORY |         |

|                 |  |
|-----------------|--|
| BIOL 138 & 138L | GENERAL BIOLOGY: BOTANY and GENERAL BIOLOGY: BOTANY LABORATORY   |
| BIOL 139 & 139L | GENERAL BIOLOGY: ZOOLOGY and GENERAL BIOLOGY: ZOOLOGY LABORATORY |
| BIOL 237        | ENVIRONMENTAL SCIENCE  |
| FCS 136 & 136L  | FOOD SCIENCE and FOOD SCIENCE LABORATORY                         |
| GEOS 129        | PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHER        |
| GEOS 130        | EARTH SCIENCE  |
| GEOS 132        | NATURAL HAZARDS AND DISASTERS                                    |
| GEOS 135        | PHYSICAL SCIENCE   |
| GEOS 137        | ENVIRONMENTAL GEOLOGY  |
| GEOS 138 & 138L | ASTRONOMY and ASTRONOMY LABORATORY                               |
| GEOS 210        | PLANETARY GEOLOGY  |
| GEOS 231 & 231L | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY                 |
| GEOS 234 & 234L | EARTH SYSTEM HISTORY and EARTH SYSTEM HISTORY LABORATORY         |
| GEOS 334        | METEOROLOGY  |
| PSYC 430        | INTRODUCTION TO BEHAVIORAL NEUROSCIENCE                          |

**Total Credits** **3**

### Student Learning Outcome (SLO) 7

Students will examine the human condition by exploring cultural and aesthetic achievements illustrated in at least one of the disciplines in the humanities:

- visual and performing arts
- literature
- history
- philosophy
- religion
- interdisciplinary humanities

| Code                                  | Title                                    | Credits |
|---------------------------------------|--|---------|
| Select one of the following: <b>3</b> |  |         |
| ART 239                               | ELEMENTS OF ART                          |         |
| BA 431                                | PROFESSIONAL ETHICS                      |         |
| ENG 232A                              | HISTORY OF AMERICAN LITERATURE TO 1865   |         |
| ENG 232B                              | HISTORY OF AMERICAN LITERATURE FROM 1865 |         |
| ENG 233                               | ELEMENTS OF LITERATURE                   |         |
| ENG 236A                              | HISTORY OF BRITISH LITERATURE TO 1795    |         |
| ENG 236B                              | HISTORY OF BRITISH LITERATURE FROM 1795  |         |
| ENG 340                               | CONTEMPORARY LITERATURE                  |         |
| ENG 341                               | LITERATURE OF THE AMERICAN WEST          |         |
| ENG 343                               | LITERATURE AND PHILOSOPHY                |         |
| ENG 344                               | LITERATURE OF THE ENVIRONMENT            |         |
| ENG 345                               | GENDER, SEXUALITY, AND LITERATURE        |         |
| ENG 435                               | NATIVE AMERICAN LITERATURE               |         |
| ENG 441                               | NOVELS                                   |         |
| ENG 442                               | MAJOR WRITERS                            |         |
| HIST 171                              | WORLD HISTORY TO 1500                    |         |
| HIST 351                              | ANCIENT WEST                             |         |

|                      |   |
|----------------------|---|
| HIST 371             | ANCIENT EAST ASIA   |
| HUM 231              | HUMANISTIC PERSPECTIVES   |
| HUM 232              | HUMANISTIC TRADITION I:CLASSICAL WORLD                            |
| HUM 233              | HUMANISTIC TRADITION II: THE MEDIEVAL WORLD AND RENAISSANCE       |
| HUM 234              | HUMANISTIC TRADITION III:THE AGE OF ENLIGHTENMENT AND ROMANTICISM |
| HUM 235              | THE HUMANISTIC TRADITION IV:MODERNISM AND POST-MODERNISM          |
| HUM 301              | BEAT CULTURE: FILM, PHILOSOPHY, LITERATURE                        |
| HUM 302              | FILM AND PHILOSOPHY   |
| HUM 303              | MODERNISM AND MANIFESTOS  |
| HUM 401              | CUBA LIBRE'   |
| MS 340               | MUSEUM EDUCATION  |
| MUS 235              | MUSIC APPRECIATION  |
| MUS 355              | HISTORY OF JAZZ   |
| PHIL 231             | INTRODUCTION TO PHILOSOPHY  |
| PHIL 336             | BIOMEDICAL ETHICS   |
| PHIL 337             | ENVIRONMENTAL ETHICS  |
| PHIL 340             | PHILOSOPHY ON THE RANGE   |
| PHIL 432             | ETHICS  |
| PS 431               | HISTORY OF POLITICAL THOUGHT                                      |
| TH 336               | THEATRE HISTORY I   |
| <b>Total Credits</b> | <b>3</b>  |

### Student Learning Outcome (SLO) 8

Students will study human behavior and social interactions integrating knowledge, theories, methods, or historical perspectives appropriate to the social sciences.

| Code                           | Title                            | Credits |
|--------------------------------|----------------------------------|---------|
| Select one of the following: 3 |                                  |         |
| CAP 469C2                      | GREAT PLAINS <sup>2</sup>        |         |
| HIST 151                       | US HISTORY TO 1877               |         |
| HIST 152                       | US HISTORY SINCE 1877            |         |
| HIST 172                       | WORLD HISTORY SINCE 1500         |         |
| HIST 352                       | EUROPE: RENAISSANCE TO WORLD WAR |         |
| HIST 353                       | EUROPE SINCE 1914                |         |
| HIST 354                       | US COLONIAL AND EARLY REPUBLIC   |         |
| HIST 355                       | US IN THE NINETEENTH CENTURY     |         |
| HIST 356                       | US IN THE 20TH CENTURY           |         |
| HIST 361                       | NORTH AMERICAN WEST              |         |
| HIST 362                       | NEBRASKA HISTORY                 |         |
| HIST 363                       | AMERICAN INDIAN HISTORY          |         |
| HIST 364                       | AMERICAN ENVIRONMENTAL HISTORY   |         |
| HIST 365                       | HISTORY OF CANADA                |         |
| HIST 366                       | HISTORY OF MEXICO                |         |
| HIST 372                       | MODERN EAST ASIA                 |         |
| HIST 373                       | HISTORY OF THE PACIFIC RIM       |         |
| HIST 374                       | HISTORY OF THE MIDDLE EAST       |         |
| HIST 375                       | HISTORY OF AFRICA                |         |
| HIST 376                       | LATIN AMERICAN HISTORY           |         |
| HIST 401                       | CUBA LIBRE'                      |         |
| MATH 236                       | HISTORY OF MATHEMATICS           |         |

|                      |  |
|----------------------|--|
| PS 101               | INTRODUCTION TO POLITICAL SCIENCE      |
| PS 321               | U.S. POLITICS AND GOVERNMENT           |
| PS 325               | RURAL AND FRONTIER POLITICAL ECONOMY   |
| PSYC 131             | INTRODUCTION TO PSYCHOLOGICAL SCIENCES |
| TH 337               | THEATRE HISTORY II                     |
| <b>Total Credits</b> | <b>3</b>                               |

<sup>2</sup> Must be taken concurrently with CAP 469C1 GREAT PLAINS in SLO #12.

### Personal and Social Responsibility (9 course credits)

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

### Student Learning Outcome (SLO) 9

Students will apply theories and principles of ethics and citizenship through the study of or participation in civic affairs.

| Code                           | Title  | Credits  |
|--------------------------------|--|----------|
| Select one of the following: 3 |  |          |
| ACTG 430                       | PERSONAL INCOME TAX  |          |
| AGRI 244                       | TALK DIRTY TO ME   |          |
| CA 336                         | DIGITAL CITIZENSHIP  |          |
| CA 339                         | EVENT PLANNING AND LEADERSHIP                                    |          |
| CAP 469G1                      | SOCIAL MEDIA AND DEMOCRATIZATION <sup>3</sup>                    |          |
| ENG 321                        | THE ART OF RHETORIC  |          |
| FCS 427                        | WORKSITE WELLNESS  |          |
| FCS 467                        | EPIDEMIOLOGY AND GLOBAL HEALTH                                   |          |
| GEOS 325                       | ENERGY AND THE ENVIRONMENT                                       |          |
| GEOS 437                       | WORLD ENVIRONMENTAL ISSUES                                       |          |
| HIST 369                       | SUBJECT AND CITIZEN  |          |
| HUM 369                        | PHILOSOPHY AND DOCUMENTARY FILM                                  |          |
| MSL 101 & 101L                 | INTRODUCTION TO THE ARMY and INTRODUCTION TO THE ARMY LABORATORY |          |
| MUS 369                        | MUSIC AND CIVIC ENGAGEMENT                                       |          |
| PHIL 269                       | ETHICS, SOCIETY AND CURRENT ISSUES                               |          |
| PHIL 370                       | CIVIL DISCOURSE AND CIVIC VIRTUE                                 |          |
| PS 110                         | U.S. POLITICS AND CIVIC ENGAGEMENT                               |          |
| SOC 369                        | CIVIC ENGAGEMENT: THEORY AND PRACTICE                            |          |
| <b>Total Credits</b>           |  | <b>3</b> |

<sup>3</sup> Must be taken concurrently with CAP 469G2 SOCIAL MEDIA AND DEMOCRATIZATION in SLO #12.

### Student Learning Outcome (SLO) 10

Students will demonstrate knowledge of human diversity and interconnectedness and will analyze the implications of diversity in its various economic, cultural, social or political forms.

| Code                           | Title                          | Credits |
|--------------------------------|--------------------------------|---------|
| Select one of the following: 3 |                                |         |
| AGRI 423                       | AGRICULTURAL POLICY            |         |
| ANTH 231                       | INTRO TO CULTURAL ANTHROPOLOGY |         |

|           |  |
|-----------|--|
| BIOL 448  | ETHNOBOTANY  |
| CA 346    | INTERCULTURAL COMMUNICATION                        |
| CA 440    | GENDER AND COMMUNICATION                           |
| CA 442    | GLOBALIZATION, CULTURE AND MEDIA                   |
| CAP 469A1 | HOW TO SAVE THE RAINFOREST <sup>4</sup>            |
| CJ 446    | CROSS CULTURAL STUDIES/JUSTICE STUDIES             |
| CJ 469    | SEX CRIMES AND PARAPHILIA                          |
| COUN 323  | ADDICTION COUNSELING ETHICS AND DIVERSITY          |
| ECON 130  | SURVEY OF ECONOMICS                                |
| ECON 423  | AGRICULTURAL POLICY                                |
| EDUC 460  | COMPARATIVE EDUCATION                              |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                 |
| ENG 346   | LITERATURE OF THE BIBLE                            |
| ENG 436   | WORLD LITERATURE                                   |
| ENG 446   | CROSS-CULTURAL STUDIES/LITERATURE                  |
| FCS 233   | FAMILIES IN SOCIETY                                |
| FCS 320   | AGING AND DEATH                                    |
| FCS 420   | LOSS ACROSS THE LIFESPAN                           |
| FCS 436   | GLOBAL FOOD SYSTEMS                                |
| FIN 239   | PERSONAL FINANCE                                   |
| FIN 333   | INTERNATIONAL FINANCE AND ECONOMICS                |
| HIST 370  | THE POST-COLONIAL CONDITION                        |
| HIST 402  | CUBA LIBRE'  |
| HUM 335   | COMPARATIVE RELIGIONS                              |
| HUM 336   | HIGH PLAINS HUMANITIES                             |
| LS 323    | LAW AND THE AMERICAN SOCIETY                       |
| MUS 330   | AMERICAN POPULAR MUSIC                             |
| PHIL 360  | PHILOSOPHY OF GENDER                               |
| PS 332    | GLOBAL POLITICS                                    |
| PS 401    | STUDY ABROAD IN POLITICS                           |
| PS 429    | ISLAM AND POLITICS                                 |
| PSYC 421  | CULTURE AND PSYCHOLOGY                             |
| SOC 230   | SOCIETY: GLOBAL COMPARISONS                        |
| SW 371    | INTERNATIONAL SOCIAL WELFARE                       |
| WLAN 100  | CONVERSATIONAL FOREIGN LANGUAGE                    |

**Total Credits** **3**

<sup>4</sup> Must be taken concurrently with CAP 469A2 HOW TO SAVE THE RAINFOREST in SLO #12.

### Student Learning Outcome (SLO) 11

Students will discuss current health issues and incorporate wellness practices that lead to positive personal changes in health and wellness lifestyle.

| Code                                  | Title                                      | Credits |
|---------------------------------------|--|---------|
| Select one of the following: <b>3</b> |  |         |
| COUN 331                              | MEDICAL AND PSYCHOSOCIAL ADDICTION ASPECTS |         |
| FCS 247                               | NUTRITION                                  |         |
| FCS 417                               | LIFESPAN WELLNESS                          |         |

|          |                             |
|----------|-----------------------------|
| HPER 107 | INDIVIDUAL SPORT ACTIVITIES |
| HPER 108 | FITNESS ACTIVITIES          |
| HPER 111 | SOCIAL DANCE ACTIVITIES     |
| HPER 120 | OUTDOOR ACTIVITIES          |
| HPER 207 | TEAM SPORTS ACTIVITIES      |
| HPER 233 | PERSONAL HEALTH/WELLNESS    |
| MSL 109  | MILITARY FITNESS            |

**Total Credits** **3**

### Capstone Integration (3 course credits)

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

### Student Learning Outcome (SLO) 12

Students will complete a culminating experience that illustrates effective application of their Essential Studies skills, modes of inquiry and personal and social responsibility through one of the following projects:

- An Essential Studies Capstone course (CAP 469 prefix) where students produce a creative or scholarly work requiring broad knowledge, appropriate technical proficiency, information collection, interpretation, synthesis, presentation, and reflection that grows out of interdisciplinary, collaborative engagement of a specific issue or theme. Approved courses also appear on the Essential Studies Program website, and include:

| Code   | Title   | Credits |
|--|---|---------|
| Select one of the following: <sup>5</sup> <b>3</b> |   |         |
| CAP 469A   | HOW TO SAVE THE RAIN FOREST (6 credits)                   |         |
| CAP 469A2  | HOW TO SAVE THE RAINFOREST (3 credits) <sup>6</sup>       |         |
| CAP 469B   | CUBA LIBRE' (3-6 credits)                                 |         |
| CAP 469C   | GREAT PLAINS (3 credits)                                  |         |
| CAP 469C1  | GREAT PLAINS (3 credits) <sup>7</sup>                     |         |
| CAP 469D   | WEIGHT OF THE NATION (3-6 credits)                        |         |
| CAP 469E   | OUTSIDE:YOUR SELF IN THE WORLD (3 credits)                |         |
| CAP 469F   | TALKING HEADS (6 credits)                                 |         |
| CAP 469G   | SOCIAL MEDIA AND DEMOCRATIZATION (6 credits)              |         |
| CAP 469G2  | SOCIAL MEDIA AND DEMOCRATIZATION (3 credits) <sup>8</sup> |         |
| CAP 469H   | POETICS AND PHILOSOPHY OF WALKING (3 credits)             |         |
| CAP 469I   | COMPOSING A PUBLIC LIFE (3 credits)                       |         |
| CAP 469J   | TOPICS IN CAPSTONE INTEGRATION (3-6 credits)              |         |
| CAP 469K   | THE CREATIVE MIND (3-6 credits)                           |         |
| CAP 469L   | PROJECT SLiM:SERVICE LEARNING MATH (3 credits)            |         |
| CAP 469M   | SPORTS REPORTERS (3 credits)                              |         |

**Total Credits** **3**

<sup>5</sup> Some CAP courses may be offered for more than three credits to satisfy previous catalog requirements or to facilitate team-teaching. See your advisor to determine how the additional credits will be applied.

<sup>6</sup> Must be taken concurrently with CAP 469A1 HOW TO SAVE THE RAINFOREST in SLO #10.

<sup>7</sup> Must be taken concurrently with CAP 469C2 GREAT PLAINS in SLO #8.

Must be taken concurrently with CAP 469G1 SOCIAL MEDIA AND DEMOCRATIZATION in SLO #9.

OR

- A capstone, independent study or other advanced-project course within a specific department or program that meets SLO #12 criteria and has been approved by the Essential Studies Program committee. Successful completion of the project will include a presentation illustrating the application of Capstone Integration outcomes as outlined on the Essential Studies Program website.

| Code                                   | Title   | Credits  |
|--|---|----------|
| Select three credits of the following: |   |          |
| BIOL 499                               | BIOLOGY CAPSTONE                                | 3        |
| CHEM 310                               | CAPSTONE I: RESEARCH SEMINAR (1 credit)         |          |
| CHEM 401                               | CAPSTONE II: SENIOR RESEARCH (1 credit)         |          |
| CHEM 410                               | CAPSTONE III: SENIOR RESEARCH/THESIS (1 credit) |          |
| CJ 449                                 | CRIMINAL PROFILING                              |          |
| EDUC 495                               | EDUCATION CAPSTONE <sup>9</sup>                 |          |
| FCS 422                                | PROFESSIONAL CAREER DEVELOPMENT                 |          |
| MGMT 434                               | STRATEGIC MANAGEMENT                            |          |
| <b>Total Credits</b>                   |   | <b>3</b> |

<sup>9</sup> Must be taken concurrently with EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING.

## Programs of Study

| Program Name   | Program Type | Department                      |
|--|--------------|---------------------------------|
| Agricultural Education (p. 26)                       | B.S.         | Agriculture (p. 22)             |
| Agricultural Plant Science (p. 28)                   | Minor        | Agriculture (p. 22)             |
| Animal Science (p. 29)                               | Minor        | Agriculture (p. 22)             |
| Equine Management (p. 29)                            | Minor        | Agriculture (p. 22)             |
| Grassland Ecology and Management (p. 26)             | B.S.         | Agriculture (p. 22)             |
| Rangeland Management (p. 26)                         | B.S.         | Agriculture (p. 22)             |
| Rangeland Management (p. 29)                         | Minor        | Agriculture (p. 22)             |
| Veterinary Science (p. 29)                           | Minor        | Agriculture (p. 22)             |
| Wildlife Management (p. 29)                          | Minor        | Agriculture (p. 22)             |
| Unmanned Aircraft Systems for Remote Sensing (p. 30) | Certificate  | Agriculture (p. 22)             |
| American Indian Studies (p. 30)                      | Minor        | American Indian Studies (p. 30) |
| Art (p. 33)  | B.A.         | Art (p. 30)                     |
| Art (p. 35)  | Minor        | Art (p. 30)                     |

|  |                     |                       |
|--|---------------------|-----------------------|
| Art (Grades PK-12) (p. 35)   | B.S.Ed.             | Art (p. 30)           |
| Biology (p. 43)  | B.S.                | Biology (p. 36)       |
| Biology (p. 50)  | Minor               | Biology (p. 36)       |
| Biology, (Grades 7-12) (p. 42)   | B.S.Ed.             | Biology (p. 36)       |
| Health Sciences (p. 45)  | B.S.                | Biology (p. 36)       |
| Human Biology (p. 50)  | Minor               | Biology (p. 36)       |
| Organismal Biology (p. 50)   | Minor               | Biology (p. 36)       |
| Plant Sciences (p. 50)   | Minor               | Biology (p. 36)       |
| Agribusiness (p. 58)   | Minor               | Business (p. 50)      |
| Business (p. 58)   | Minor               | Business (p. 50)      |
| Business Administration (p. 55)  | B.A.                | Business (p. 50)      |
| Business Information Systems (p. 58)   | Minor               | Business (p. 50)      |
| Business, Marketing, and Information Technology Education (Grades 6-12) (p. 58)            | B.S.Ed.             | Business (p. 50)      |
| Business, Marketing & Information Technology Education - Middle Level (Grades 5-9) (p. 57) | B.S.Ed.             | Business (p. 50)      |
| Finance (p. 59)  | Minor               | Business (p. 50)      |
| General Business (p. 57)   | B.A.                | Business (p. 50)      |
| Marketing (p. 59)  | Minor               | Business (p. 50)      |
| Work-Based Learning (Grades 9-12) Supplemental Endorsement (p. 59)                         | B.S. Ed Endorsement | Business (p. 50)      |
| Communication Arts (p. 62)   | B.A.                | Communication (p. 60) |
| Interpersonal Communication (p. 63)  | Minor               | Communication (p. 60) |
| Journalism (p. 63)   | Minor               | Communication (p. 60) |
| Media Production (p. 64)   | Minor               | Communication (p. 60) |
| Public Relations (p. 64)   | Minor               | Communication (p. 60) |
| Education - Elementary (Grades K-8) (p. 69)  | B.S.Ed.             | Education (p. 64)     |
| Early Childhood Education (Age 3 through Grade 3) Supplemental Endorsement (p. 71)         | B.S.Ed Endorsement  | Education (p. 64)     |

|   |                   |  |  |                   |  |
|---|-------------------|--|--|-------------------|--|
| Education - Secondary (Grades PK-12/6-12/7-12) (p. 71)                      | B.S.Ed.           | Education (p. 64)                                  | Health and Physical Education (Grades 5-9) (p. 98)                 | B.S.Ed.           | Health, Physical Education, and Recreation (p. 91) |
| Education - Middle Level (Grades 5-9) (p. 72)                               | B.S.Ed.           | Education (p. 64)                                  | Health Education (Grades 7-12) (p. 98)                             | B.S.Ed.           | Health, Physical Education, and Recreation (p. 91) |
| Advanced English Studies (p. 78)  | B.A.              | English (p. 74)                                    | Physical Education (Grades 7-12) (p. 98)                           | B.S.Ed.           | Health, Physical Education, and Recreation (p. 91) |
| English Language Arts for Middle Level Education (Grades 5-9) (p. 81)       | B.S.Ed.           | English (p. 74)                                    | Physical Education (Grades PK-6) (p. 98)                           | B.S.Ed.           | Health, Physical Education, and Recreation (p. 91) |
| English Language Arts (Grades 7-12) (p. 80)                                 | B.S.Ed.           | English (p. 74)                                    | Sport, Fitness and Recreation Management (p. 96)                   | B.A.              | Health, Physical Education, and Recreation (p. 91) |
| English Studies (p. 80)   | B.A.              | English (p. 74)                                    | Coaching Supplemental Endorsement (Grades 7-12) (p. 99)            | B.S.Ed Endorsment | Health, Physical Education, and Recreation (p. 91) |
| Creative Writing (p. 82)  | Minor             | English (p. 74)                                    | Community and Adventure Recreation (p. 99)                         | Minor             | Health, Physical Education, and Recreation (p. 91) |
| Interdisciplinary Humanities (p. 82)  | Minor             | English (p. 74)                                    | Fitness and Wellness (p. 99)                                       | Minor             | Health, Physical Education, and Recreation (p. 91) |
| Literature (p. 82)  | Minor             | English (p. 74)                                    | Sports Leadership (p. 99)  | Minor             | Health, Physical Education, and Recreation (p. 91) |
| Philosophy (p. 83)  | Minor             | English (p. 74)                                    | History (p. 102)   | B.A.              | History (p. 99)                                    |
| Early Childhood Inclusive Field Endorsement (Birth through Grade 3) (p. 90) | B.S.Ed.           | Family and Consumer Sciences (p. 83)               | History (p. 103)   | Minor             | History (p. 99)                                    |
| Family and Consumer Sciences (p. 87)  | B.A.              | Family and Consumer Sciences (p. 83)               | History (Grades 7-12) (p. 103)                                     | B.S.Ed            | History (p. 99)                                    |
| Family and Consumer Sciences (Grades 5-9) (p. 89)                           | B.S.Ed.           | Family and Consumer Sciences (p. 83)               | Interdisciplinary Studies (p. 104)                                 | B.A.              | Interdisciplinary Studies (p. 104)                 |
| Family and Consumer Sciences (Grades 6-12) (p. 89)                          | B.S.Ed.           | Family and Consumer Sciences (p. 83)               | Criminal Justice (p. 109)  | B.A.              | Justice Studies (p. 104)                           |
| Nutrition and Dietetics (p. 90)   | B.S.              | Family and Consumer Sciences (p. 83)               | Criminal Justice (p. 111)  | Minor             | Justice Studies (p. 104)                           |
| Health Sciences Supplemental Endorsement (Grade 6-12) (p. 91)               | B.S.Ed Endorsment | Family and Consumer Sciences (p. 83)               | Legal Studies (p. 110)   | B.A.              | Justice Studies (p. 104)                           |
| Child and Family (p. 90)  | Minor             | Family and Consumer Sciences (p. 83)               | Legal Studies (p. 111)   | Minor             | Justice Studies (p. 20)                            |
| Gerontology (p. 90)   | Minor             | Family and Consumer Sciences (p. 83)               | Applied Statistics (p. 115)  | Minor             | Mathematics (p. 111)                               |
| Hospitality (p. 90)   | Minor             | Family and Consumer Sciences (p. 83)               | Data Analytics (p. 115)  | Minor             | Mathematics (p. 111)                               |
| Nutrition and Wellness (p. 91)  | Minor             | Family and Consumer Sciences (p. 83)               | Mathematics (Grades 6-12) (p. 114)                                 | B.S.Ed.           | Mathematics (p. 111)                               |
| Public Health Promotion and Education (p. 91)                               | Minor             | Family and Consumer Sciences (p. 83)               | Mathematics (Grades 5-9) (p. 114)                                  | B.S.Ed.           | Mathematics (p. 111)                               |
| Textiles and Design (p. 91)   | Minor             | Family and Consumer Sciences (p. 83)               | Mathematics (p. 115)   | B.S.              | Mathematics (p. 111)                               |
| Health and Physical Education (Grades PK-12) (p. 97)                        | B.S.Ed.           | Health, Physical Education, and Recreation (p. 91) | Mathematics (p. 115)   | Minor             | Mathematics (p. 111)                               |
|   |                   |  | Mental Health and Addiction - Alcohol and Drug Counseling (p. 116) | Minor             | Mental Health and Addiction (p. 115)               |

|   |         |                                      |
|---|---------|--------------------------------------|
| Mental Health and Addiction - Criminal Justice (p. 117) | Minor   | Mental Health and Addiction (p. 115) |
| Mental Health and Addiction - Social Welfare (p. 117)   | Minor   | Mental Health and Addiction (p. 115) |
| Mental Health and Addiction - Wellness (p. 117)         | Minor   | Mental Health and Addiction (p. 115) |
| Military Science (p. 119)                               | Minor   | Military Science Leadership (p. 117) |
| Museum Studies (p. 121)                                 | Minor   | Museum Studies (p. 121)              |
| Music (p. 134)  | B.A.    | Music (p. 122)                       |
| Music (p. 137)  | Minor   | Music (p. 122)                       |
| Music Studies (p. 135)                                  | B.A.    | Music (p. 122)                       |
| Music (Grades PK-12) (p. 136)                           | B.S.Ed. | Music (p. 122)                       |
| Vocal Music (Grades PK-12) (p. 136)                     | B.S.Ed. | Music (p. 122)                       |
| Physical Sciences (p. 144)                              | B.S.    | Physical Sciences (p. 138)           |
| Sciences (Grades 5-9) (p. 146)                          | B.S.Ed. | Physical Sciences (p. 138)           |
| Science (Grades 7-12) (p. 145)                          | B.S.Ed. | Physical Sciences (p. 138)           |
| Chemistry (Grades 7-12) (p. 143)                        | B.S.Ed. | Physical Sciences (p. 138)           |
| Earth and Space Science (Grades 7-12) (p. 144)          | B.S.Ed. | Physical Sciences (p. 138)           |
| Chemistry (p. 147)                                      | Minor   | Physical Sciences (p. 138)           |
| Environmental Geoscience (p. 147)                       | Minor   | Physical Sciences (p. 138)           |
| Geoscience (p. 147)                                     | Minor   | Physical Sciences (p. 138)           |
| Physics (p. 147)  | Minor   | Physical Sciences (p. 138)           |
| Water Resources Management (p. 147)                     | Minor   | Physical Sciences (p. 138)           |
| Psychological Sciences (p. 149)                         | B.A.    | Psychological Sciences (p. 148)      |
| Psychological Sciences (p. 150)                         | Minor   | Psychological Sciences (p. 148)      |
| Social Psychology and Personality Systems (p. 150)      | Minor   | Psychological Sciences (p. 148)      |
| Political Science (p. 153)                              | Minor   | Social Science (p. 150)              |
| Social Sciences (Grades 5-9) (p. 153)                   | B.S.Ed. | Social Science (p. 150)              |
| Social Science (Grades 7-12) (p. 152)                   | B.S.Ed. | Social Science (p. 150)              |
| Social Work (p. 158)                                    | B.A.    | Social Work (p. 154)                 |

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|--|---------|----------------------------|
| Early Childhood Inclusive (Birth through Grade 3) (p. 161) | B.S.Ed. | Special Education (p. 159) |
| Special Education Generalist (Grades K-12) (p. 163)        | B.S.Ed. | Special Education (p. 159) |
| Technical Occupations (p. 164)                             | B.A.S.  | Applied Science (p. 164)   |
| Theatre (p. 167)   | B.A.    | Theatre (p. 165)           |
| Theatre (p. 168)   | Minor   | Theatre (p. 165)           |
| Theatre Supplemental Endorsement (Grades 7-12) (p. 168)    | B.S.Ed. | Theatre (p. 165)           |

## 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:

- Develop and defend a management plan which describes and assesses the rangeland resources of soil, vegetation, livestock and wildlife.
- Describe and compare range ecosystems throughout North America and the principles used to manage the resources within them.
- Synthesize and communicate, both written and orally, acquired knowledge from scholarly research on rangeland, livestock and wildlife management using appropriate peer-reviewed literature.
- Bachelor of Science with a Comprehensive Major in Rangeland Management (p. 26)
  - Rangeland Ecology Option
  - Rangeland Fire Management Option
  - Rangeland Livestock Management Option
  - Rangeland Wildlife Management Option
  - Rangeland Equine Management Option
- Bachelor of Science in Natural Resources with a major in Grassland Ecology and Management (p. 26)
- Bachelor of Science in Agriculture Sciences with a major in Agricultural Education (p. 26)
- Bachelor of Arts with a Comprehensive Major in Business Administration with Agribusiness Option (p. 55)
- Agricultural Plant Science (p. 28)
- Animal Science (p. 29)
- Equine Management (p. 29)
- Rangeland Management (p. 29)
- Veterinary Science (p. 29)
- Wildlife Management (p. 29)
- Unmanned Aircraft Systems for Remote Sensing (p. 30)

**AGRI 110 AGRICULTURE SEMINAR I1 Credit**

This course is designed to provide students with an introduction to the study of agriculture. Students will be exposed to study methods, technical writing, scientific literature, and written and oral communication skills that will be vital to successfully completing their study of agriculture and related fields. This course will clarify and improve student expectations of an undergraduate education.

**AGRI 132 INTRODUCTION TO ANIMAL SCIENCE3 Credits**

Species adaptability, product standards and requirements, areas and types of production, processing and distribution of products, including meat animals, dairy, and horses.

**AGRI 141 INTRO TO PLANT SCIENCE3 Credits**

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: AGRICULTURE1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**AGRI 211 INTRODUCTION TO UNMANNED AERIAL SYSTEMS3 Credits**

Introduction to Unmanned Aircraft Systems (UAS), will be an introduction to the history of the practical application of UAS. The course will also be an introduction to a broad range of unmanned aerial systems used for remote sensing. These systems will include surveillance satellites, fixed wing aircraft and rotary wing aircraft, including helicopter and multi-copters, as well as hybrid systems. In addition, the course will be an introduction to the technology of a specific UAS including the airframe, motors, batteries, the Electronic Speed Controller (ESC), the flight controller, and Radio Control (RC) transmitters. In the process, the student will become familiar with the nomenclature associated with the UAS.

**AGRI 212 THE FAA SMALL, UNMANNED AIRCRAFT (SUAS) LICENSE TEST3 Credits**

The FAA Small, Unmanned Aircraft (sUAS) License Test, is an introduction the Federal Aviation Administration (FAA) restrictions covering operation of sUAS (Code of Federal Regulations (CFR) Part 107), and Nebraska laws governing sUAS operation. In addition, the course is preparation for the student to take and pass the FAA sUAS License Test

**Prerequisites:** AGRI 211

**AGRI 221 FARM AND RANCH MANAGEMENT3 Credits**

The skills, techniques, innovations, and current procedures for management of farms and ranches.

**AGRI 234 PRINCIPLES OF ANIMAL NUTRITION3 Credits**

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.

**AGRI 235 INTRODUCTION TO WILDLIFE MANAGEMENT3 Credits**

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 may be required.

**AGRI 242 PRINCIPLES OF RANGELAND AND FORAGE MANAGEMENT3 Credits**

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.

**AGRI 244 TALK DIRTY TO ME3 Credits**

Without soil: ecosystems fail to function, food supplies are stressed, production of clean air and water slow. Yet soil is often misunderstood and abused by the people who depend on it. Students will learn about the importance of soil to society as a whole and what they can do to preserve and improve soil resources. Students will develop, plan, and implement a final project in which they apply their newly acquired knowledge about soils to a local or regional scale civic engagement project.

**Essential Studies:** SLO #9

**AGRI 245 PRINCIPLES OF SOIL SCIENCE3 Credits**

Origin, development, classification and management of soils that affect plant growth.

**Co-requisites:** AGRI 245L

**AGRI 245L PRIN OF SOIL SCIENCE LABORATORY1 Credit**

Lab experience.

**Co-requisites:** AGRI 245

**AGRI 270 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**AGRI 311 AGRICULTURE AND RANGE MANAGEMENT UAS APPLICATIONS3 Credits**

Agriculture and Range Management UAS Applications, is the identification of the fifteen common missions associated with agriculture and range management. Covered in this course will be the purpose for performance of each discrete mission, the mission desired outcome and the types of sensors required for each missions.

**Prerequisites:** AGRI 211

**AGRI 324 WILDLIFE AND LIVESTOCK DISEASE MANAGEMENT3 Credits**

Outlines parasitic, infections, and environmental diseases influencing wild and domestic animal populations. Identifies the cause of disease, routes of transmission, and affects on the individual and population. Explores management alternatives to control disease and reduce impacts on wildlife populations.

**Prerequisites:** AGRI 132 or AGRI 235 and Sophomore or above status

**AGRI 325 RANGELAND WILDLIFE MANAGEMENT3 Credits**

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.

**Prerequisites:** Sophomore or above status

**AGRI 326 SUAS TRAINING LABORATORY3 Credits**

SUAS Training Laboratory, is a hands-on training laboratory in which the student will learn how to safely operate a quad-copter drone that the student has purchased.

**Prerequisites:** AGRI 211 and AGRI 212

**AGRI 329 AGRICULTURAL MARKETING3 Credits**

Market structure, conduct and performance factors within the domestic and global marketing areas with specific emphasis on production components, agricultural resources, outputs and marketing through supply chains and channels. Specific attention involves governments' roles in marketing, market basket, price spreads, price analysis, futures and options markets, and contract marketing.

**Prerequisites:** ECON 231, ECON 232, MATH 138 or MATH 142 and Sophomore or above status

**AGRI 330 AGRICULTURAL ECONOMICS AND AGRIBUSINESS3 Credits**

Basic economic principles and theories focusing on product markets, resource markets, production costs and market structures, conduct and performance of the agricultural sector from retail level, consumers' demands, and resource sectors, production, domestically and globally within agriculture. Governments' roles, functions and policies which impact domestic and global markets for agriculture.

**Cross-Listed:** AGRI330/ECON334

**AGRI 333 RUMINANT PRODUCTION3 Credits**

Principles and practices of commercial and purebred domestic and wildlife production including breeds, breeding, reproduction, diseases, marketing, management and general husbandry.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 333L

**AGRI 333L RUMINANT PRODUCTION LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 333

**AGRI 334 VEGETATION MANIPULATION PRACTICES3 Credits**

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.

**Prerequisites:** AGRI 242 and Sophomore or above status

**AGRI 335 HORSE PRODUCTION3 Credits**

Principles and practices related to modern horse industry including conformation, performance, horse handling, diseases, housing, foot and leg care, equipment, and history.

**Prerequisites:** Sophomore or above status

**AGRI 336 NON-RUMINANT PRODUCTION3 Credits**

Principles and practices of non-ruminant production including breeds, breeding and reproduction, diseases, marketing, management and general husbandry.

**Prerequisites:** Sophomore or above status

**AGRI 337 APPLIED ANIMAL NUTRITION3 Credits**

Characteristics of basic feedstuffs and recommended feeding practices utilizing ration development, feeding trials and feed analysis.

**Prerequisites:** Sophomore or above status

**AGRI 338 LIVESTOCK EVALUATION3 Credits**

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.

**Prerequisites:** AGRI 132 and Junior or above status

**AGRI 339 RANGE PLANT IDENTIFICATION1 Credit**

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 the species is also presented.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 339L

**AGRI 339L RANGE PLANT IDENTIFICATION LABORATORY2 Credits**

Lab experience.

**Prerequisites:** Sophomore or above or status

**Co-requisites:** AGRI 339

**AGRI 346 EQUINE COMMUNICATIONS I2 Credits**

This course is designed as an introduction to natural horsemanship. Through the principle of making the right thing easy and the wrong thing difficult, students will learn the fundamental nature of round penning young horses. Students will build a strong foundation with aspects of controlling the forehead, haunches, shoulders and ribs.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 346L

**AGRI 346L EQUINE COMMUNICATIONS I LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 346

**AGRI 347 EQUINE COMMUNICATIONS II2 Credits**

This course is a continuation of Equine Communications I. Through the principle of making the right thing easy and the wrong thing difficult, students will learn the fundamental nature of centered riding, soft supple maneuvers, and riding with confidence. Students will learn to train horses through soft hands and communication through their seat position. Maneuvers being taught are: side pass, turn-around, correct stop, lead changes, roll-backs, circling, hip, shoulder, rib, and forehead control.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 347L

**AGRI 347L EQUINE COMMUNICATIONS II LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 347

**AGRI 348 RANGELAND HYDROLOGY3 Credits**

Studies the hydrological cycle of rangeland watersheds. Primary focus will be on the role of vegetation in hydrologic processes and how utilization of rangeland watershed and manipulation of vegetation can alter or modify the processes.

**Essential Studies:** SLO #6

**Prerequisites:** Sophomore or above status

**AGRI 350 RANGELAND UNGULATE PRODUCTION3 Credits**

Production of ungulate on rangelands. Includes plant and animal responses to grazing, grazing animal behavior, grazing management, supplementing rangeland forage, and economic considerations.

**Prerequisites:** AGRI 242 and Sophomore or above status

**AGRI 357 GRAZING ECOLOGY3 Credits**

Ecology and management of rangeland systems with emphasis on the relationships between wild and domestic herbivores and their environment. Includes considerations of soils, air, hydrology, microbes, plants, and animals across multiple spatial and temporal scales.

**Prerequisites:** Junior or above status

**AGRI 390 INTERNSHIP IN AGRICULTURE/RANGE MANAGEMENT1-12 Credits**

Provides practical experience in resource management relative to agriculture, rangeland management, natural resources, and wildlife management.

**Add Consent:** Department Consent

**Notes:** 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 399 RANGELAND ECOSYSTEM FIELD STUDY3 Credits**

This course offers students opportunities to develop observation and interpretation skills while being introduced to rangeland ecosystems not normally accessible during the normal 16 week terms. Students will research, plan, and participate in a guided field study of rangeland ecosystems of interest to students. The course will be divided into three phases; research, planning, and field tour with the field tour scheduled during the summer session.

**Prerequisites:** Sophomore or above status

**AGRI 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

For students seeking an individual problem in agriculture.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Requirements:** Approval of a supervising faculty member, academic Dean, and Academic Vice President is required before registering.

**AGRI 410 AGRICULTURE SEMINAR III1 Credit**

Designed to enhance oral and written communication skills as encountered in agriculture.

**Prerequisites:** AGRI 110 and Junior or above status

**AGRI 411 CONSERVATION BIOLOGY3 Credits**

This course will provide a broad overview of the field of conservation biology including fundamental biological and ecological principles, patterns and threats to biodiversity, causes of population declines and extinction, techniques used in conservation biology, and conservation economics and policy.

**Prerequisites:** Junior or above status

**Dual-listed:** AGRI 511

**AGRI 420 RANGELAND SHORT COURSE2 Credits**

Intensive summer workshop covering all contemporary areas of rangeland management.

**Prerequisites:** Junior or above status

**Requirements:** Additional fees will be assessed.

**AGRI 423 AGRICULTURAL POLICY3 Credits**

An examination of USDA agricultural, fiber, conservational, and rural economic policies studies from domestic and international perspectives. Examination of public policy in the economic framework used to assess and improve competitive structure, operation, and performance of U.S. and international food and agriculture. Farm, international trade, rural economic development, resource/environmental, technology, food marketing and consumer policies are analyzed.

**Cross-Listed:** AGRI423/ECON423

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**Notes:** No prerequisites although major economics courses will be beneficial.

**AGRI 426 WILDLIFE RESEARCH AND MANAGEMENT TECHNIQUES3 Credits**

Field and laboratory techniques for studying, evaluating, and managing wildlife and their habitats are described and demonstrated. Field trips required.

**Prerequisites:** AGRI 235 and Junior or above status

**AGRI 427 ANIMAL ANATOMY & PHYSIOLOGY3 Credits**

Principles of physiology as related to gross anatomy, disease, and management practices of mammals.

**Prerequisites:** AGRI 132, BIOL 131 or BIOL 225, and Junior or above status

**Co-requisites:** AGRI 427L

**Notes:** Recommended for pre-veterinary students.

**AGRI 427L ANIMAL ANATOMY & PHYSIOLOGY LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Junior or above status

**Co-requisites:** AGRI 427L

**AGRI 428 HABITAT INVENTORY AND ANALYSIS1 Credit**

Rangeland and monitoring inventory techniques and vegetation sampling methods related to rangeland vegetation condition and degree of use.

**Prerequisites:** AGRI 242, AGRI 339, and Junior or above status

**Co-requisites:** AGRI 428L

**AGRI 428L HABITAT INVENTORY AND ANALYSIS LABORATORY2 Credits**

Field lab experience.

**Prerequisites:** Junior or above status

**Co-requisites:** AGRI 428

**AGRI 429 EQUINE INDUSTRY APPLIED FIELD STUDIES3 Credits**

Provides an overview of the marketing and economic trends in the equine industry, as well as global equestrian hot-spots. A required field experience will provide firsthand experience with equine industry components including training, breeding, ranching, marketing, business, and showing venues throughout the United States, and expose students to opportunities available in the equine industry.

**Prerequisites:** Junior or above status

**AGRI 430 LAND RESOURCE MANAGEMENT PLANNING3 Credits**

Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands.

**Prerequisites:** AGRI 141, AGRI 242, AGRI 245, AGRI 334, AGRI 339, and Junior or above status

**AGRI 435 WILDLIFE MANAGEMENT PRACTICUM3 Credits**

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.

**Prerequisites:** AGRI 235, AGRI 426, and Junior or above status

**AGRI 436 RANGELAND AND FIRE ECOLOGY3 Credits**

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.

**Prerequisites:** AGRI 242 and Junior or above status

**AGRI 440 RANGE LIVESTOCK REPRODUCTION3 Credits**

Reproductive processes of range livestock including anatomy, physiology, endocrinology of reproduction, reproductive techniques including artificial insemination, embryo transfer, in vitro fertilization and cloning and various management techniques to enhance reproductive efficiency on the ranch.

**Prerequisites:** AGRI 132 and Junior or above status

**AGRI 444 GRASS SYSTEMATICS3 Credits**

The main focus of the course is on identification of members of the Poaceae, or grass, family. Students will work through grasses provided to identify them down to species. Upon completion of the class the students will be able to recognize common tribal and genera characteristics, and be able to key out unknown grasses.

**Prerequisites:** Junior or above status

**AGRI 445 MAMMALOLOGY2 Credits**

Systematics, life history, physiology, and behavior of mammals.

**Cross-Listed:** AGRI445/BIOL435

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, 244L or 9 credits of AGRI courses

**Co-requisites:** BIOL 435L

**Requirements:** Field trips required.

**AGRI 445L MAMMALOLOGY LABORATORY1 Credit**

Laboratory experience.

**Cross-Listed:** AGRI445L/BIOL435L

**Prerequisites:** Junior or above status

**Co-requisites:** AGRI 445

**AGRI 447 ANIMAL BREEDING AND GENETICS3 Credits**

Reproduction processes of domestic animals, including anatomy, physiology and endocrinology of reproduction, breeding systems, and artificial insemination principles.

**Prerequisites:** AGRI 132 and Junior or above status

**AGRI 451 HUMAN DIMENSIONS OF WILDLIFE MANAGEMENT3 Credits**

Overviews the historic and current public viewpoints of wildlife and wildlife/human conflicts. Examines the policies which affect wildlife research and management and the impacts public opinion has on policy formation. Identifies the various stakeholders involved in natural resource management and policy and incorporates the idea that wildlife management is people management.

**Prerequisites:** AGRI 235 and Junior or above status

**AGRI 460 TOPICS IN AGRICULTURE1-3 Credits**

Meets the needs of changing conditions in Agriculture.

**Prerequisites:** Junior or above status

**Notes:** 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 PROBLEMS1-4 Credits**

Designed for the highly motivated advanced student.

**Prerequisites:** Junior or above status

**Notes:** This course may be repeated for up to a total of 6 hours of credit.

**Requirements:** The student must submit a plan of study to the instructor and have the instructor's approval the semester prior to enrollment.

**AGRI 467 AGRICULTURAL BUSINESS PLANNING AND MANAGEMENT3 Credits**

Analysis of the economic decisions made by farm/ranch owners, from sales to marketing to financial management to market analysis, feasibility studies and interfacing with governmental and other organizations. At the end of the course, you will have the core elements of a business plan to guide your farming/ranching operations.

## Bachelor of Science in Agriculture Sciences with a major in Agricultural Education

This program is designed for students who will complete three 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 Natural Resources with a Major in Grassland Ecology and Management

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

## Bachelor of Science with a Comprehensive Major in Rangeland Management

A student must complete the following Core Requirements in addition to an option and the Essential Studies requirements.

A minimum cumulative GPA of at Least 2.50 is required in the rangeland management Core Requirements and option. The GPA will be calculated by using all accepted previous college/university coursework used for the rangeland management Core Requirements and option, as well as coursework from CSC.

| Code                                   | Title  | Credits |
|--|--|---------|
| Essential Studies (p. 14)              |  |         |
| Core Requirements                      |  |         |
| AGRI 110                               | AGRICULTURE SEMINAR I  | 1       |
| AGRI 132                               | INTRODUCTION TO ANIMAL SCIENCE   | 3       |
| AGRI 141                               | INTRO TO PLANT SCIENCE   | 3       |
| AGRI 234                               | PRINCIPLES OF ANIMAL NUTRITION   | 3       |
| AGRI 242                               | PRINCIPLES OF RANGELAND AND FORAGE MANAGEMENT                                | 3       |
| AGRI 245 & 245L                        | PRINCIPLES OF SOIL SCIENCE and PRIN OF SOIL SCIENCE LABORATORY               | 4       |
| AGRI 334                               | VEGETATION MANIPULATION PRACTICES  | 3       |
| AGRI 348                               | RANGELAND HYDROLOGY  | 3       |
| AGRI 339 & 339L                        | RANGE PLANT IDENTIFICATION and RANGE PLANT IDENTIFICATION LABORATORY         | 3       |
| AGRI 350 or AGRI 357                   | RANGELAND UNGULATE PRODUCTION or GRAZING ECOLOGY                             | 3       |
| AGRI 410                               | AGRICULTURE SEMINAR II   | 1       |
| AGRI 428 & 428L                        | HABITAT INVENTORY AND ANALYSIS and HABITAT INVENTORY AND ANALYSIS LABORATORY | 3       |
| AGRI 430                               | LAND RESOURCE MANAGEMENT PLANNING  | 3       |
| Select one of the following options:   |  | 18-21   |
| Rangeland Ecology (p. 27)              |  |         |
| Rangeland Fire Management (p. 27)      |  |         |
| Rangeland Livestock Management (p. 27) |  |         |
| Rangeland Wildlife Management (p. 28)  |  |         |
| Rangeland Equine Management (p. 28)    |  |         |

**Total Credits**

**54-57**

## Rangeland Ecology Option

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

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| Core Requirements            |  | 36        |
| AGRI 235                     | INTRODUCTION TO WILDLIFE MANAGEMENT  | 3         |
| AGRI 357                     | GRAZING ECOLOGY  | 3         |
| AGRI 436                     | RANGELAND AND FIRE ECOLOGY   | 3         |
| BIOL 337                     | ENVIRONMENTAL MANAGEMENT   | 3         |
| GEOS 322                     | INTRODUCTION TO GIS  | 3         |
| Select one of the following: |  | 3         |
| BIOL 347 & 347L              | CRYPTOGAMIC BOTANY and CRYPTOLOGIC BOTANY LABORATORY                           |           |
| BIOL 431 & 431L              | ENTOMOLOGY and ENTOMOLOGY LABORATORY   |           |
| BIOL 438 & 438L              | TAXONOMY OF PLANTS and TAXONOMY OF PLANTS LABORATORY                           |           |
| BIOL 439 & 439L              | PLANT PHYSIOLOGY and PLANT PHYSIOLOGY LABORATORY                               |           |
| BIOL 447 & 447L              | PLANT PHYLOGENY and PLANT PHYLOGENY LABORATORY                                 |           |
| BIOL 336 & 336L or AGRI 399  | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY RANGELAND ECOSYSTEM FIELD STUDY | 3         |
| <b>Total Credits</b>         |  | <b>57</b> |

### Recommended Electives

In order to enhance employment opportunities, the following elective courses are recommended:

| Code     | Title                                   | Credits |
|----------|---|---------|
| AGRI 221 | FARM AND RANCH MANAGEMENT               | 3       |
| AGRI 330 | AGRICULTURAL ECONOMICS AND AGRIBUSINESS | 3       |
| AGRI 411 | CONSERVATION BIOLOGY                    | 3       |
| AGRI 420 | RANGELAND SHORT COURSE                  | 2       |
| AGRI 451 | HUMAN DIMENSIONS OF WILDLIFE MANAGEMENT | 3       |

or at the University of Nebraska – Lincoln courses in Natural Resource Policy, Watershed Management, Principles of Forestry, Disturbed Land Reclamation, and Remote Sensing/GIS

## Rangeland Fire Management Option

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

| Code              | Title   | Credits |
|-------------------|---|---------|
| Core Requirements |   | 36      |
| FIRE 1810         | INTRODUCTION TO WILDLAND FIRE FIGHTING <sup>1</sup> | 3       |
| FIRE 1818         | WILDLAND LEADERSHIP <sup>1</sup>                    | 3       |
| FIRE 1830         | INTERMEDIATE WILDLAND FIRE BEHAVIOR <sup>1</sup>    | 3       |
| AGRI 436          | RANGELAND AND FIRE ECOLOGY                          | 3       |

### Upper Division Electives

|  |  |           |
|--|--|-----------|
| Select six credits from the following: |  | 6         |
| AGRI 325                               | RANGELAND WILDLIFE MANAGEMENT                  |           |
| AGRI 420                               | RANGELAND SHORT COURSE                         |           |
| AGRI 444                               | GRASS SYSTEMATICS                              |           |
| BIOL 336 & 336L                        | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY |           |
| BIOL 337                               | ENVIRONMENTAL MANAGEMENT                       |           |
| GEOS 322                               | INTRODUCTION TO GIS                            |           |
| <b>Total Credits</b>                   |  | <b>54</b> |

<sup>1</sup> Classes with the FIRE prefix here are only available at Casper College.

See Essential Studies transfers for electives to take at Casper College to meet the Essential Studies required by CSC. See Applied Sciences transfers for courses at Casper College that would meet some of the core requirements. A maximum total of 66 transfer course credits will be applied towards the CSC Bachelor of Science degree. For further information see the Additional Information for Transfer Students section of the CSC Undergraduate Catalog ([www.csc.edu/admissions/transfer/guides.csc](http://www.csc.edu/admissions/transfer/guides.csc) (<http://www.csc.edu/admissions/transfer/guides.csc>)).

## Rangeland Livestock Management Option

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

| Code                         | Title  | Credits      |
|------------------------------|--|--------------|
| Core Requirements            |  | 36           |
| AGRI 333 & 333L              | RUMINANT PRODUCTION and RUMINANT PRODUCTION LABORATORY                 | 4            |
| AGRI 337                     | APPLIED ANIMAL NUTRITION   | 3            |
| AGRI 440                     | RANGE LIVESTOCK REPRODUCTION   | 3            |
| AGRI 447                     | ANIMAL BREEDING AND GENETICS   | 3            |
| Animal Science Elective      |  |              |
| Select one of the following: |  | 3-4          |
| AGRI 221                     | FARM AND RANCH MANAGEMENT  |              |
| AGRI 338                     | LIVESTOCK EVALUATION   |              |
| AGRI 357                     | GRAZING ECOLOGY  |              |
| AGRI 427 & 427L              | ANIMAL ANATOMY & PHYSIOLOGY and ANIMAL ANATOMY & PHYSIOLOGY LABORATORY |              |
| Business Elective            |  |              |
| Select one of the following: |  | 3            |
| ACTG 241                     | ACCOUNTING PRINCIPLES I  |              |
| ECON 231                     | MACROECONOMICS   |              |
| ECON 232                     | MICROECONOMICS   |              |
| AGRI 330                     | AGRICULTURAL ECONOMICS AND AGRIBUSINESS                                |              |
| AGRI/ECON 423                | AGRICULTURAL POLICY  |              |
| FIN 330                      | PRINCIPLES OF FINANCE  |              |
| <b>Total Credits</b>         |  | <b>55-56</b> |

### Recommended Electives

In order to enhance employment opportunities, the following elective courses are recommended:

| Code     | Title                                   | Credits |
|----------|---|---------|
| AGRI 335 | HORSE PRODUCTION                        | 3       |
| AGRI 420 | RANGELAND SHORT COURSE                  | 2       |
| AGRI 436 | RANGELAND AND FIRE ECOLOGY              | 3       |
| AGRI 451 | HUMAN DIMENSIONS OF WILDLIFE MANAGEMENT | 3       |
| GEOS 322 | INTRODUCTION TO GIS                     | 3       |

### Rangeland Wildlife Management Option

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

| Code                 | Title                                       | Credits   |
|----------------------|---|-----------|
| Core Requirements    |   | 36        |
| AGRI 235             | INTRODUCTION TO WILDLIFE MANAGEMENT         | 3         |
| AGRI 325             | RANGELAND WILDLIFE MANAGEMENT               | 3         |
| AGRI 426             | WILDLIFE RESEARCH AND MANAGEMENT TECHNIQUES | 3         |
| AGRI 435             | WILDLIFE MANAGEMENT PRACTICUM               | 3         |
| AGRI 445 & 445L      | MAMMALOGY and MAMMALOGY LABORATORY          | 3         |
| AGRI 451             | HUMAN DIMENSIONS OF WILDLIFE MANAGEMENT     | 3         |
| BIOL 401 & 401L      | ORNITHOLOGY and ORNITHOLOGY LABORATORY      | 3         |
| <b>Total Credits</b> |   | <b>57</b> |

### Recommended Electives

To enhance employment potential, students are recommended to take courses from the following:

| Code            | Title  | Credits |
|-----------------|--|---------|
| AGRI 324        | WILDLIFE AND LIVESTOCK DISEASE MANAGEMENT                              | 3       |
| AGRI 427 & 427L | ANIMAL ANATOMY & PHYSIOLOGY and ANIMAL ANATOMY & PHYSIOLOGY LABORATORY | 4       |
| AGRI 436        | RANGELAND AND FIRE ECOLOGY   | 3       |
| GEOS 322        | INTRODUCTION TO GIS  | 3       |
| MATH 138        | APPLIED CALCULUS   | 3       |
| MATH 232        | APPLIED STATISTICS   | 3       |
| BIOL 244 & 244L | ZOOLOGY and ZOOLOGY LABORATORY   | 4       |
| BIOL 337        | ENVIRONMENTAL MANAGEMENT   | 3       |
| BIOL 343 & 343L | PARASITOLOGY and PARASITOLOGY LABORATORY                               | 3       |
| AGRI 399        | RANGELAND ECOSYSTEM FIELD STUDY  | 3       |
| BIOL 427        | BIOLOGY OF POPULATIONS   | 3       |
| BIOL 431 & 431L | ENTOMOLOGY and ENTOMOLOGY LABORATORY                                   | 3       |
| BIOL 444 & 444L | FRESHWATER ECOLOGY and FRESHWATER ECOLOGY LABORATORY                   | 3       |
| AGRI 411        | CONSERVATION BIOLOGY   | 3       |

### Rangeland Equine Management Option

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

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| Core Requirements            |  | 36        |
| AGRI 329                     | AGRICULTURAL MARKETING   | 3         |
| AGRI 221                     | FARM AND RANCH MANAGEMENT  | 3         |
| AGRI 335                     | HORSE PRODUCTION   | 3         |
| AGRI 346 & 346L              | EQUINE COMMUNICATIONS I and EQUINE COMMUNICATIONS I LABORATORY   | 3         |
| AGRI 347 & 347L              | EQUINE COMMUNICATIONS II and EQUINE COMMUNICATIONS II LABORATORY | 3         |
| AGRI 429                     | EQUINE INDUSTRY APPLIED FIELD STUDIES                            | 3         |
| Animal Science Elective      |  |           |
| Select one of the following: |  | 3         |
| AGRI 324                     | WILDLIFE AND LIVESTOCK DISEASE MANAGEMENT                        |           |
| AGRI 337                     | APPLIED ANIMAL NUTRITION   |           |
| AGRI 357                     | GRAZING ECOLOGY  |           |
| AGRI 390                     | INTERNSHIP IN AGRICULTURE/RANGE MANAGEMENT                       |           |
| AGRI 447                     | ANIMAL BREEDING AND GENETICS                                     |           |
| <b>Total Credits</b>         |  | <b>57</b> |

### Agricultural Plant Science Minor

This minor is recommended for the student interested in the plant sciences and enrolled in a major other than rangeland management.

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| AGRI 141                     | INTRO TO PLANT SCIENCE   | 3         |
| AGRI 245 & 245L              | PRINCIPLES OF SOIL SCIENCE and PRIN OF SOIL SCIENCE LABORATORY               | 4         |
| AGRI 339 & 339L              | RANGE PLANT IDENTIFICATION and RANGE PLANT IDENTIFICATION LABORATORY         | 3         |
| AGRI 428 & 428L              | HABITAT INVENTORY AND ANALYSIS and HABITAT INVENTORY AND ANALYSIS LABORATORY | 3         |
| Select one of the following: |  | 3         |
| BIOL 347 & 347L              | CRYPTOGAMIC BOTANY and CRYPTOGRAMIC BOTANY LABORATORY                        |           |
| BIOL 439 & 439L              | PLANT PHYSIOLOGY and PLANT PHYSIOLOGY LABORATORY                             |           |
| BIOL 447 & 447L              | PLANT PHYLOGENY and PLANT PHYLOGENY LABORATORY                               |           |
| Select one of the following: |  | 3         |
| AGRI 357                     | GRAZING ECOLOGY  |           |
| BIOL 438 & 438L              | TAXONOMY OF PLANTS and TAXONOMY OF PLANTS LABORATORY                         |           |
| <b>Total Credits</b>         |  | <b>19</b> |

## Animal Science Minor

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

| Code  | Title  | Credits      |
|---|--|--------------|
| AGRI 132  | INTRODUCTION TO ANIMAL SCIENCE   | 3            |
| AGRI 242  | PRINCIPLES OF RANGELAND AND FORAGE MANAGEMENT                          | 3            |
| AGRI 337  | APPLIED ANIMAL NUTRITION   | 3            |
| <b>Animal Production Electives</b>              |  |              |
| Select at least six credits from the following: |  | 6            |
| AGRI 324  | WILDLIFE AND LIVESTOCK DISEASE MANAGEMENT                              |              |
| AGRI 333 & 333L                                 | RUMINANT PRODUCTION and RUMINANT PRODUCTION LABORATORY                 |              |
| AGRI 350  | RANGELAND UNGULATE PRODUCTION  |              |
| AGRI 357  | GRAZING ECOLOGY  |              |
| <b>Animal Anatomy/Physiology Electives</b>      |  |              |
| Select one of the following:                    |  | 3-4          |
| AGRI 427 & 427L                                 | ANIMAL ANATOMY & PHYSIOLOGY and ANIMAL ANATOMY & PHYSIOLOGY LABORATORY |              |
| AGRI 440  | RANGE LIVESTOCK REPRODUCTION   |              |
| AGRI 447  | ANIMAL BREEDING AND GENETICS   |              |
| <b>Total Credits</b>                            |  | <b>18-19</b> |

## Equine Management Minor

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

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| AGRI 132             | INTRODUCTION TO ANIMAL SCIENCE                                   | 3         |
| AGRI 242             | PRINCIPLES OF RANGELAND AND FORAGE MANAGEMENT                    | 3         |
| AGRI 221             | FARM AND RANCH MANAGEMENT  | 3         |
| AGRI 335             | HORSE PRODUCTION   | 3         |
| AGRI 346 & 346L      | EQUINE COMMUNICATIONS I and EQUINE COMMUNICATIONS I LABORATORY   | 3         |
| AGRI 347 & 347L      | EQUINE COMMUNICATIONS II and EQUINE COMMUNICATIONS II LABORATORY | 3         |
| AGRI 429             | EQUINE INDUSTRY APPLIED FIELD STUDIES                            | 3         |
| <b>Total Credits</b> |  | <b>21</b> |

## Rangeland Management Minor

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

| Code     | Title   | Credits |
|----------|---|---------|
| AGRI 141 | INTRO TO PLANT SCIENCE                        | 3       |
| AGRI 242 | PRINCIPLES OF RANGELAND AND FORAGE MANAGEMENT | 3       |

|  |  |           |
|--|--|-----------|
| AGRI 339 & 339L                                  | RANGE PLANT IDENTIFICATION and RANGE PLANT IDENTIFICATION LABORATORY         | 3         |
| AGRI 428 & 428L                                  | HABITAT INVENTORY AND ANALYSIS and HABITAT INVENTORY AND ANALYSIS LABORATORY | 3         |
| <b>Electives</b>                                 |  |           |
| Select at least nine credits from the following: |  | 9         |
| AGRI 132   | INTRODUCTION TO ANIMAL SCIENCE   |           |
| AGRI 235   | INTRODUCTION TO WILDLIFE MANAGEMENT  |           |
| AGRI 333 & 333L                                  | RUMINANT PRODUCTION and RUMINANT PRODUCTION LABORATORY                       |           |
| AGRI 334   | VEGETATION MANIPULATION PRACTICES  |           |
| AGRI 337   | APPLIED ANIMAL NUTRITION   |           |
| AGRI 348   | RANGELAND HYDROLOGY  |           |
| AGRI 350   | RANGELAND UNGULATE PRODUCTION  |           |
| AGRI 436   | RANGELAND AND FIRE ECOLOGY   |           |
| GEOS 322   | INTRODUCTION TO GIS  |           |
| <b>Total Credits</b>                             |  | <b>21</b> |

## Veterinary Science Minor

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

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| AGRI 132             | INTRODUCTION TO ANIMAL SCIENCE   | 3         |
| AGRI 234             | PRINCIPLES OF ANIMAL NUTRITION   | 3         |
| AGRI 337             | APPLIED ANIMAL NUTRITION   | 3         |
| AGRI 427 & 427L      | ANIMAL ANATOMY & PHYSIOLOGY and ANIMAL ANATOMY & PHYSIOLOGY LABORATORY | 4         |
| AGRI 445 & 445L      | MAMMALOGY and MAMMALOGY LABORATORY                                     | 3         |
| AGRI 447             | ANIMAL BREEDING AND GENETICS   | 3         |
| <b>Total Credits</b> |  | <b>19</b> |

## Wildlife Management Minor

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

| Code                 | Title                                       | Credits   |
|----------------------|---|-----------|
| AGRI 235             | INTRODUCTION TO WILDLIFE MANAGEMENT         | 3         |
| AGRI 325             | RANGELAND WILDLIFE MANAGEMENT               | 3         |
| AGRI 426             | WILDLIFE RESEARCH AND MANAGEMENT TECHNIQUES | 3         |
| AGRI 435             | WILDLIFE MANAGEMENT PRACTICUM               | 3         |
| AGRI 445 & 445L      | MAMMALOGY and MAMMALOGY LABORATORY          | 3         |
| BIOL 401 & 401L      | ORNITHOLOGY and ORNITHOLOGY LABORATORY      | 3         |
| <b>Electives</b>     |   | 3         |
| <b>Total Credits</b> |   | <b>21</b> |

## Recommended Electives

To satisfy wildlife electives and to enhance employment potential, students are recommended to take courses from the following:

| Code            | Title  | Credits |
|-----------------|--|---------|
| AGRI 245 & 245L | PRINCIPLES OF SOIL SCIENCE and PRIN OF SOIL SCIENCE LABORATORY               | 4       |
| AGRI 324        | WILDLIFE AND LIVESTOCK DISEASE MANAGEMENT                                    | 3       |
| AGRI 339 & 339L | RANGE PLANT IDENTIFICATION and RANGE PLANT IDENTIFICATION LABORATORY         | 3       |
| AGRI 428 & 428L | HABITAT INVENTORY AND ANALYSIS and HABITAT INVENTORY AND ANALYSIS LABORATORY | 3       |
| AGRI 436        | RANGELAND AND FIRE ECOLOGY   | 3       |
| AGRI 451        | HUMAN DIMENSIONS OF WILDLIFE MANAGEMENT                                      | 3       |
| BIOL 343 & 343L | PARASITOLOGY and PARASITOLOGY LABORATORY                                     | 3       |
| BIOL 427        | BIOLOGY OF POPULATIONS   | 3       |
| BIOL 431 & 431L | ENTOMOLOGY and ENTOMOLOGY LABORATORY   | 3       |
| BIOL 444 & 444L | FRESHWATER ECOLOGY and FRESHWATER ECOLOGY LABORATORY                         | 3       |
| GEOS 322        | INTRODUCTION TO GIS  | 3       |
| MATH 232        | APPLIED STATISTICS   | 3       |

## Unmanned Aircraft Systems for Remote Sensing Certificate

Students seeking a certificate will be admitted as non-degree seeking.

Certificates will be awarded to students in certificate programs who complete the following requirements:

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| AGRI 211             | INTRODUCTION TO UNMANNED AERIAL SYSTEMS              | 3         |
| AGRI 212             | THE FAA SMALL, UNMANNED AIRCRAFT (SUAS) LICENSE TEST | 3         |
| AGRI 311             | AGRICULTURE AND RANGE MANAGEMENT UAS APPLICATIONS    | 3         |
| AGRI 326             | SUAS TRAINING LABORATORY                             | 3         |
| <b>Total Credits</b> |  | <b>12</b> |

## American Indian Studies

### Mission Statement

The American Indian Studies minor provides students with an opportunity to focus on American Indians of the western High Plains, including historic and contemporary issues, with specific emphasis on Lakota society and culture.

### Student Learning Outcomes

- Students will compare and contrast American Indian societies and cultures.

- Students will define and describe Lakota society and culture, and assess its effect upon the High Plains.
- Students will trace the development of American Indians' contemporary circumstances and situations.

- American Indian Studies (p. 30)

### AIS 131 LAKOTA LANGUAGE I3 Credits

Introduction to the Lakota language, with focus on preserving the ancient language of the Lakota, both written and spoken.

### AIS 132 LAKOTA LANGUAGE II3 Credits

Continuation of Lakota language study with emphasis on speaking and reading skills.

**Prerequisites:** AIS 131

### AIS 334 LAKOTA SOCIETY AND CULTURE3 Credits

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.

**Prerequisites:** Sophomore or above status

### AIS 430 TOPICS:AMERICAN INDIAN STUDIES3 Credits

Special topics in American Indian studies.

**Prerequisites:** Junior or above status

### AIS 436 SEM: AMERICAN INDIAN STUDIES3 Credits

Designed to meet the specific needs of a group of students. Permission of the Instructor is required.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

## Minor in American Indian Studies

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

| Code                                      | Title   | Credits   |
|---|---|-----------|
| ANTH 337                                  | INDIGENOUS PEOPLE AND CULTURES OF NORTH AMERICA | 3         |
| ENG 435                                   | NATIVE AMERICAN LITERATURE                      | 3         |
| HIST 363                                  | AMERICAN INDIAN HISTORY                         | 3         |
| <b>Electives:</b>                         |   |           |
| Select twelve credits from the following: |   | 12        |
| AIS 131                                   | LAKOTA LANGUAGE I                               |           |
| AIS 132                                   | LAKOTA LANGUAGE II                              |           |
| AIS 334                                   | LAKOTA SOCIETY AND CULTURE                      |           |
| AIS 430                                   | TOPICS:AMERICAN INDIAN STUDIES                  |           |
| AIS 436                                   | SEM: AMERICAN INDIAN STUDIES                    |           |
| ANTH 430                                  | TOPICS IN ANTHROPOLOGY                          |           |
| ANTH 435                                  | N PLAINS INDIAN CULTURES                        |           |
| BIOL 448                                  | ETHNOBOTANY                                     |           |
| HIST 361                                  | NORTH AMERICAN WEST                             |           |
| <b>Total Credits</b>                      |   | <b>21</b> |

## Art

### Mission Statement

The Chadron State College Art Department provides a comprehensive course of study in the visual arts while preparing students for careers in Art Education, Studio Art, Graphic Design and Gallery/Museum

operations. The program encourages personal and artistic growth in a student-centered learning environment and is dedicated to creating a classroom experience strong in the production of art, the knowledge of historical context, the use of critical thinking, and the understanding of aesthetics. The department enriches life in the Western High Plains region by providing educational opportunities, research, service, and visual arts programs that contribute to the vitality and diversity of the region.

## Student Learning Outcomes

The outcomes of the Art discipline are as follows:

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

## Requirements

1. To complete the requirements for a degree in Art, each senior art major must participate in one Senior Thesis Exhibit during his/her final year. All seniors must obtain permission prior to enrolling in ART 412 SENIOR THESIS.
  2. B.S.E. candidates must enroll in Senior Thesis the semester prior to enrolling in student teaching. (Note: The Secondary Methods course in art, EDUC 431A SPECIAL METHODS/ART, is offered only during the fall semester.)
  3. Work exhibited in ART 412 SENIOR THESIS must reflect the student's ability to work in at least two media, including works in their option area. All works must have been completed on the college level and within the past two years. ART 412 SENIOR THESIS consists of the preparation of the student's senior art exhibit and portfolio. Students are evaluated on the collaborative design of poster design, publicity, pictorial display, gallery arrangement, and on individual creativity and craftsmanship.
  4. Art students will not be permitted to enroll in Advanced Art Studio, Topics, Seminar, or Independent Study courses until they have completed the beginning and advanced required courses in the media or topic selected for advanced study.
  5. A materials fee will be assessed for most Art courses.
  6. All art majors must earn a letter grade of C (2.0) or above in all required ART/MS courses to graduate.
- The Degree of Bachelor of Arts with a Comprehensive Major in Art (p. 33)
    - Art Studio Option
    - Gallery/Museum Option
    - Graphic Design Option
    - Pre-Art Therapy Option
  - The Degree of Bachelor of Science in Education with a Field Endorsement in Art (Grades PK-12) (p. 35)

- Art (p. 35)

### ART 120 DRAWING FOR THE NON-MAJOR3 Credits

This course is designed to introduce the non-art major to 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.

**Essential Studies:** SLO #5

### ART 131 DRAWING I3 Credits

Basic drawing techniques using a variety of media and emphasizing the development of perceptual skills and communication through the language of art. May include field trips.

### ART 133 2-D DESIGN3 Credits

Study of the basic elements and principles of two dimensional design and their application in the visual language of creative art.

### ART 136 DRAWING II3 Credits

Continuation of drawing skills introduced in Drawing I. Students will work from both still life and live models.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

### ART 200 CERAMICS FOR THE NON ART MAJOR3 Credits

Introduces non-art majors to basic techniques of pinch, coil, slab and wheel thrown ceramics including clay mixing, glazing and kiln loading and the opportunity to explore the concepts of art-making.

**Essential Studies:** SLO #5

### ART 201 SCULPTURE FOR THE NON ART MAJOR3 Credits

An opportunity for the non-art major to explore concepts of three-dimensional art-making.

**Essential Studies:** SLO #5

### ART 223 BLACK AND WHITE PHOTOGRAPHY3 Credits

Survey of the tools and techniques of traditional darkroom black and white photography. Topics covered include camera operation, lighting, film and print development, and professional presentation.

**Essential Studies:** SLO #5

### ART 225 PRINTMAKING I3 Credits

Introduction to the fundamental processes and the creative potential of printmaking, including relief, intaglio, and serigraphy.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

**Requirements:** May require field trips

### ART 227 SCULPTURE I3 Credits

Experimentation with various materials in the creation of three-dimensional forms. Various media and processes will be explored.

**Prerequisites:** ART 131 and ART 230

### ART 228 CERAMICS I3 Credits

Basic techniques of pinch, coil, slab and wheel thrown ceramics, including clay mixing, glazing and kiln loading.

**Prerequisites:** ART 131 and ART 230

### ART 229 INTRO TO GRAPHIC DESIGN3 Credits

Introduction to the fundamentals of design, typography, layout, exploration of design history, the profession of graphic design and commercial art.

**Essential Studies:** SLO #5

### ART 230 3-D DESIGN3 Credits

Fundamentals of three-dimensional design are covered through the elements and principles of form.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

**ART 232 PAINTING I3 Credits**

Basic painting techniques emphasizing the use of value and color, the development of perceptual skills, familiarization with materials, and communication through the language of art.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

**Requirements:** May require field trips.

**ART 237 FIBER ARTS I3 Credits**

Introduction to the fundamental and creative potential of craft processes; may include fabric design, papermaking, jewelry and weaving.

**Essential Studies:** SLO #5

**ART 239 ELEMENTS OF ART3 Credits**

Introduction to art history, artists, techniques and materials employed in the production of art. Illustrated lectures and demonstrations.

**Essential Studies:** SLO #7

**ART 250 ART FOR THE ELEMENTARY/MIDDLE SCHOOL TEACHER3 Credits**

Study of Discipline Based Art Education in the elementary/middle school classroom. Includes basic design, media experience, reference materials, art criticism, aesthetics, and history.

**ART 298 ART HISTORY I SURVEY3 Credits**

Historical survey of Western Art from Prehistory through Byzantine art with an emphasis on the social and political influences of the visual arts. Field trips may be required.

**Prerequisites:** ART 239

**ART 299 ART HISTORY II SURVEY3 Credits**

Historical survey of Western Art from Medieval art through Impressionism with emphasis on the social and political influences of the visual arts. Field trips may be required.

**Prerequisites:** ART 239

**ART 310 ART SEMINAR0-3 Credits**

Designed to meet the needs of a group of students wanting to study or research an aspect of art not offered as a regular class.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** May be repeated with a different topic/medium up to a total of 9 credit hours.

**ART 320 DRAWING III3 Credits**

Development of perceptual skills in relation to the figure. Emphasis is placed on the use of the figure as a means of self-expression.

**Prerequisites:** ART 131, ART 136 and Sophomore or above status

**ART 321A GLASS I: GLASS BLOWING3 Credits**

Study of the history of and the techniques used in forming hot glass. Student will gather, blow, shape and finish molten glass.

**Prerequisites:** Sophomore or above status

**ART 321B GLASS I: STAINED GLASS3 Credits**

Designed to introduce the student to various cold working processes in glass. Course will cover stained glass, etched, lampworked and fused processes.

**Prerequisites:** Sophomore or above status

**ART 322 GRAPHIC DESIGN-SOFTWARE3 Credits**

Intermediate-level graphic design work using design principles with an introduction to Adobe CC design software (InDesign, Illustrator, Photoshop) through assignments and projects.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**ART 323 CREATIVE PHOTOGRAPHY3 Credits**

Introduction to the procedures and creative potential of the photographic process. Topics will include alternative, traditional, and digital photographic techniques.

**Prerequisites:** Sophomore status or above and camera required

**ART 325 PRINTMAKING II3 Credits**

Advanced exploration of processes and creative potential of printmaking, including block printing, intaglio and serigraphic techniques.

**Prerequisites:** ART 225 and Sophomore or above status

**ART 329 GRAPHIC DESIGN-DIGITAL MEDIA3 Credits**

Intermediate-level graphic design work focusing on various digital media with introductions to digital imagery, web design, animation, or video utilizing concept, storytelling, information organization, and design principles.

**Prerequisites:** Sophomore or above status

**ART 331 MIXED MEDIA3 Credits**

Introduction to the process of combining two-dimensional materials including watercolor, gouache, pastels, pencils, and acrylic mediums. The use of color, development of perceptual skills and communication through the language of art will be emphasized.

**ART 332 PAINTING II3 Credits**

Advanced oil or acrylic painting techniques emphasizing the development of a personal direction and portfolio.

**Prerequisites:** ART 232 and Sophomore or above status

**ART 337 SCULPTURE II3 Credits**

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

**Prerequisites:** ART 227 and Sophomore or above status

**ART 340 TWENTIETH CENTURY ART3 Credits**

An examination of the important movements and individual artists that have shaped art history from Impressionism through the Postmodern 90's. Field trips may be required.

**Prerequisites:** ART 239

**ART 343 DIGITAL PHOTOGRAPHY3 Credits**

Course is designed to explore digital photography and digital image manipulation using Adobe Photoshop and related software.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**Requirements:** Manually adjustable digital camera required.

**ART 390 INTERNSHIP IN ART1-12 Credits**

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.

**Add Consent:** Department Consent

**ART 400 INDEPENDENT STUDY OR RESEARCH3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Students must submit a written proposal for study and be approved by the instructor prior to registration.



**ART 411 GRAPHIC DESIGN-SOLUTIONS3 Credits**

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 CC software (In Design, Photoshop, and Illustrator).

**Prerequisites:** ART 322 and Junior or above status

**ART 412 SENIOR THESIS3 Credits**

Preparation of the student's senior art exhibit and portfolio is required of studio option, graphic design option, art education majors. Students will be evaluated on poster design, publicity, pictorial display, gallery arrangement, creativity and craftsmanship in a broad range of media.

**Prerequisites:** Art major with one of the following option areas studio, graphic design, or art education and Senior status

**Add Consent:** Department Consent

**Requirements:** Permission of instructor.

**ART 421A GLASS II: GLASS BLOWING3 Credits**

Exploration in the use of molten glass as an art medium, with attention to techniques, construction and maintenance of studio equipment.

**Prerequisites:** ART 321A and Junior or above status

**ART 421B GLASS II: STAINED GLASS3 Credits**

Exploration into the advanced construction of strained glass panels. Course will cover both lead and copper foil processes. Lampworking with beads and marbles will be introduced.

**Prerequisites:** ART 321B and Junior or above status

**ART 422 GRAPHIC DESIGN PRACTICUM3 Credits**

Advanced level work in graphic design Emphasis on multi-piece design, concept development, professional presentation and portfolio preparation.

**Prerequisites:** ART 322, ART 329, and Junior or above status

**ART 428 CERAMICS II3 Credits**

Concentration on the wheel thrown form, both functional and non-functional, with continued research into glaze formulation and firing of kilns.

**Prerequisites:** ART 228 and Junior or above status

**ART 430 ADVANCED ART STUDIO1-3 Credits**

Open to advanced art students who have completed both introductory and intermediary courses in a specific topic/medium and want to further develop mastery in the topic/medium. Critiques of work and participation in an art show are required.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** May be repeated with a different topic/medium up to a total of nine credit hours.

**Requirements:** Students must submit a written outline detailing a plan of research to the art department; departmental approval must be received before registering.

**ART 437 FIBER ARTS II3 Credits**

Advanced exploration into the creative potential of craft processes; may include fabric design, papermaking, jewelry and weaving.

**Prerequisites:** ART 237 and Junior or above status

**ART 441 TOPICS IN ART HISTORY3 Credits**

The study and discussion of art history topics and problems of special interest not offered within the regular survey courses. Topics will be chosen by the instructor.

**Notes:** May be repeated with a different topic.

## The Degree of Bachelor of Arts with a Comprehensive Major in Art

A student must complete the following core and one option area in addition to the Essential Studies requirements. All art majors are required to complete the following courses prior to or by permission of instructor before enrolling in any other studio courses:

### Prerequisites for advanced courses; are part of the core requirements

| Code    | Title      | Credits |
|---------|------------|---------|
| ART 131 | DRAWING I  | 3       |
| ART 133 | 2-D DESIGN | 3       |
| ART 230 | 3-D DESIGN | 3       |

### Core Requirements

| Code                                 | Title                       | Credits   |
|--------------------------------------|-----------------------------|-----------|
| Essential Studies (p. 14)            |                             |           |
| Core Requirements                    |                             |           |
| ART 131                              | DRAWING I                   | 3         |
| ART 133                              | 2-D DESIGN                  | 3         |
| ART 136                              | DRAWING II                  | 3         |
| ART 223                              | BLACK AND WHITE PHOTOGRAPHY | 3         |
| or ART 343                           | DIGITAL PHOTOGRAPHY         |           |
| ART 225                              | PRINTMAKING I               | 3         |
| ART 227                              | SCULPTURE I                 | 3         |
| ART 228                              | CERAMICS I                  | 3         |
| ART 229                              | INTRO TO GRAPHIC DESIGN     | 3         |
| ART 230                              | 3-D DESIGN                  | 3         |
| ART 232                              | PAINTING I                  | 3         |
| ART 239                              | ELEMENTS OF ART             | 3         |
| ART 298                              | ART HISTORY I SURVEY        | 3         |
| ART 299                              | ART HISTORY II SURVEY       | 3         |
| Select one of the following options: |                             | 18        |
| Art Studio (p. 33)                   |                             |           |
| Gallery/Museum (p. 34)               |                             |           |
| Graphic Design (p. 34)               |                             |           |
| Pre-Art Therapy (p. 34)              |                             |           |
| <b>Total Credits</b>                 |                             | <b>57</b> |

### Art Studio Option

| Code                          | Title                       | Credits |
|-------------------------------|-----------------------------|---------|
| Core Requirements             |                             | 39      |
| ART 340                       | TWENTIETH CENTURY ART       | 3       |
| ART 412                       | SENIOR THESIS               | 3       |
| Electives                     |                             |         |
| Select four of the following: |                             | 12      |
| ART 223                       | BLACK AND WHITE PHOTOGRAPHY |         |
| ART 237                       | FIBER ARTS I                |         |
| ART 320                       | DRAWING III                 |         |
| ART 323                       | CREATIVE PHOTOGRAPHY        |         |
| ART 325                       | PRINTMAKING II              |         |
| ART 331                       | MIXED MEDIA                 |         |

|         |   |
|---------|---|
| ART 332 | PAINTING II   |
| ART 337 | SCULPTURE II  |
| ART 343 | DIGITAL PHOTOGRAPHY (Unless used under the Core Requirements) |
| ART 428 | CERAMICS II   |
| ART 437 | FIBER ARTS II   |

**Total Credits** 57

The following courses are suggested to enhance employment opportunities:

| Code     | Title                           | Credits |
|----------|---------------------------------|---------|
| BA 331   | BUSINESS COMMUNICATIONS         | 3       |
| MKTG 231 | PRINCIPLES OF MARKETING         | 3       |
| MKTG 334 | NEW PRODUCT DEVELOPMENT         | 3       |
| MKTG 336 | PROMOTIONS AND ADVERTISING      | 3       |
| MKTG 338 | CONSUMER BEHAVIOR               | 3       |
| MKTG 435 | MARKETING STRATEGY              | 3       |
| MKTG 439 | BUSINESS AND MARKETING RESEARCH | 3       |

The following minors are suggested to enhance employment opportunities:

- Business (p. 58)
- Marketing (p. 59)
- Museum Studies (p. 121)

### Gallery/Museum Option

| Code                 | Title                              | Credits   |
|----------------------|------------------------------------|-----------|
| Core Requirements    |                                    | 39        |
| ART 340              | TWENTIETH CENTURY ART              | 3         |
| MS 319               | HISTORY AND THEORY OF MUSEUMS      | 3         |
| MS 330               | MANAGEMENT AND CARE OF COLLECTIONS | 3         |
| MS 331               | EXHIBIT DESIGN                     | 3         |
| MS 333               | MUSEUM ADMINISTRATION              | 3         |
| MS 340               | MUSEUM EDUCATION                   | 3         |
| <b>Total Credits</b> |                                    | <b>57</b> |

The following courses are suggested to enhance employment opportunities:

| Code    | Title   | Credits |
|---------|---|---------|
| ART 322 | GRAPHIC DESIGN-SOFTWARE   | 3       |
| ART 329 | GRAPHIC DESIGN-DIGITAL MEDIA  | 3       |
| ART 340 | TWENTIETH CENTURY ART   | 3       |
| BA 331  | BUSINESS COMMUNICATIONS   | 3       |
| BIS 230 | WEB PAGE DEVELOPMENT  | 3       |
| CA 155  | PUBLIC SPEAKING   | 3       |
| CA 250  | INTRODUCTION TO PUBLIC RELATIONS:PRINCIPLES, PROCESSES & PRACTICES          | 3       |
| CA 335  | MEDIA ADVERTISING   | 3       |
| CA 350  | APPLIED PUBLIC RELATIONS: CONCEPTS AND PRACTICES-INTERMEDIATE STUDIES IN PR | 3       |
| CA 443  | MEDIA LAW   | 3       |
| FCS 341 | Course FCS 341 Not Found  | 3       |

|          |                                      |   |
|----------|--------------------------------------|---|
| MKTG 231 | PRINCIPLES OF MARKETING              | 3 |
| MKTG 334 | NEW PRODUCT DEVELOPMENT              | 3 |
| MS 235   | INTRODUCTION TO ARCHIVAL COLLECTIONS | 3 |

The following minors are suggested to enhance employment opportunities:

- Business (p. 58)
- Marketing/Entrepreneurship (p. 59)
- Communication Arts (p. 60)

### Graphic Design Option

| Code              | Title                        | Credits |
|-------------------|------------------------------|---------|
| Core Requirements |                              | 39      |
| ART 322           | GRAPHIC DESIGN-SOFTWARE      | 3       |
| ART 329           | GRAPHIC DESIGN-DIGITAL MEDIA | 3       |
| ART 340           | TWENTIETH CENTURY ART        | 3       |
| ART 411           | GRAPHIC DESIGN-SOLUTIONS     | 3       |
| ART 412           | SENIOR THESIS                | 3       |
| ART 422           | GRAPHIC DESIGN PRACTICUM     | 3       |

**Total Credits** 57

The following courses are suggested to enhance employment opportunities:

| Code     | Title   | Credits |
|----------|---|---------|
| CA 155   | PUBLIC SPEAKING   | 3       |
| CA 225   | COMMUNICATING IN GROUPS AND TEAMS   | 3       |
| CA 250   | INTRODUCTION TO PUBLIC RELATIONS:PRINCIPLES, PROCESSES & PRACTICES          | 3       |
| CA 335   | MEDIA ADVERTISING   | 3       |
| CA 346   | INTERCULTURAL COMMUNICATION   | 3       |
| CA 350   | APPLIED PUBLIC RELATIONS: CONCEPTS AND PRACTICES-INTERMEDIATE STUDIES IN PR | 3       |
| CA 431A  | MEDIA PRACTICUM-NEWSPAPER   | 3       |
| CA 434   | EDITING AND DESIGN  | 3       |
| CA 442   | GLOBALIZATION, CULTURE AND MEDIA  | 3       |
| CA 443   | MEDIA LAW   | 3       |
| BA 331   | BUSINESS COMMUNICATIONS   | 3       |
| MKTG 231 | PRINCIPLES OF MARKETING   | 3       |
| MKTG 334 | NEW PRODUCT DEVELOPMENT   | 3       |
| MKTG 336 | PROMOTIONS AND ADVERTISING  | 3       |
| MKTG 338 | CONSUMER BEHAVIOR   | 3       |
| MKTG 435 | MARKETING STRATEGY  | 3       |
| MKTG 439 | BUSINESS AND MARKETING RESEARCH   | 3       |
| MS 319   | HISTORY AND THEORY OF MUSEUMS   | 3       |
| MS 331   | EXHIBIT DESIGN  | 3       |
| MS 390   | INTERNSHIP IN MUSEUM STUDIES  | 1-12    |

### Pre-Art Therapy Option

Students should maintain a cumulative GPA of 3.0. All required courses must be passed with a letter grade of C or above.

| Code                 | Title                                  | Credits   |
|----------------------|--|-----------|
| Core Requirements    |  | 39        |
| PSYC 131             | INTRODUCTION TO PSYCHOLOGICAL SCIENCES | 3         |
| PSYC 240             | STATISTICS FOR PSYCHOLOGY              | 3         |
| PSYC 243             | ABNORMAL PSYCHOLOGY                    | 3         |
| PSYC 251             | SOCIAL PSYCHOLOGY                      | 3         |
| PSYC 254             | DEVELOPMENTAL PSYCHOLOGY               | 3         |
| ART 412              | SENIOR THESIS                          | 3         |
| <b>Total Credits</b> |  | <b>57</b> |

The following minors are suggested to enhance employment opportunities:

- Communication Arts (p. 60)
- Business (p. 58)
- Marketing/Entrepreneurship (p. 59)
- Museum Studies (p. 121)

## The Degree of Bachelor of Science in Education with a Field Endorsement in Art (Grades PK-12)

All art majors are required to complete the following courses prior to enrolling in any other studio courses:

| Code    | Title      | Credits |
|---------|------------|---------|
| ART 131 | DRAWING I  | 3       |
| ART 133 | 2-D DESIGN | 3       |
| ART 230 | 3-D DESIGN | 3       |

A student must complete the following requirements, the Essential Studies requirements, and Professional Education requirements.

| Code  | Title  | Credits |
|---|--|---------|
| Essential Studies (p. 14)   |  |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |  |         |
| Core Requirements   |  |         |
| ART 131   | DRAWING I                                    | 3       |
| ART 133   | 2-D DESIGN                                   | 3       |
| ART 225   | PRINTMAKING I                                | 3       |
| ART 227   | SCULPTURE I                                  | 3       |
| ART 228   | CERAMICS I                                   | 3       |
| ART 230   | 3-D DESIGN                                   | 3       |
| ART 232   | PAINTING I                                   | 3       |
| ART 239   | ELEMENTS OF ART                              | 3       |
| ART 250   | ART FOR THE ELEMENTARY/MIDDLE SCHOOL TEACHER | 3       |
| ART 298   | ART HISTORY I SURVEY                         | 3       |
| ART 299   | ART HISTORY II SURVEY                        | 3       |
| ART 322   | GRAPHIC DESIGN-SOFTWARE                      | 3       |
| ART 340   | TWENTIETH CENTURY ART                        | 3       |
| ART 343   | DIGITAL PHOTOGRAPHY                          | 3       |
| ART 412   | SENIOR THESIS                                | 3       |
| Electives   |  |         |

|                                |                      |   |
|--------------------------------|----------------------|---|
| Select three of the following: |                      | 9 |
| ART 136                        | DRAWING II           |   |
| ART 237                        | FIBER ARTS I         |   |
| ART 323                        | CREATIVE PHOTOGRAPHY |   |
| ART 325                        | PRINTMAKING II       |   |
| ART 331                        | MIXED MEDIA          |   |
| ART 332                        | PAINTING II          |   |
| ART 337                        | SCULPTURE II         |   |
| ART 428                        | CERAMICS II          |   |
| ART 437                        | FIBER ARTS II        |   |

**Total Credits** **54**

## Minor in Art

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

| Code    | Title           | Credits |
|---------|-----------------|---------|
| ART 131 | DRAWING I       | 3       |
| ART 133 | 2-D DESIGN      | 3       |
| ART 230 | 3-D DESIGN      | 3       |
| ART 239 | ELEMENTS OF ART | 3       |

Electives:

|                                |                              |   |
|--------------------------------|------------------------------|---|
| Select three of the following: |                              | 9 |
| ART 136                        | DRAWING II                   |   |
| ART 223                        | BLACK AND WHITE PHOTOGRAPHY  |   |
| ART 225                        | PRINTMAKING I                |   |
| ART 227                        | SCULPTURE I                  |   |
| ART 228                        | CERAMICS I                   |   |
| ART 229                        | INTRO TO GRAPHIC DESIGN      |   |
| ART 232                        | PAINTING I                   |   |
| ART 237                        | FIBER ARTS I                 |   |
| ART 298                        | ART HISTORY I SURVEY         |   |
| ART 299                        | ART HISTORY II SURVEY        |   |
| ART 322                        | GRAPHIC DESIGN-SOFTWARE      |   |
| ART 323                        | CREATIVE PHOTOGRAPHY         |   |
| ART 325                        | PRINTMAKING II               |   |
| ART 329                        | GRAPHIC DESIGN-DIGITAL MEDIA |   |
| ART 331                        | MIXED MEDIA                  |   |
| ART 332                        | PAINTING II                  |   |
| ART 337                        | SCULPTURE II                 |   |
| ART 340                        | TWENTIETH CENTURY ART        |   |
| ART 343                        | DIGITAL PHOTOGRAPHY          |   |
| ART 411                        | GRAPHIC DESIGN-SOLUTIONS     |   |
| ART 428                        | CERAMICS II                  |   |
| ART 437                        | FIBER ARTS II                |   |

**Total Credits** **21**

# Biology

## Biology Mission and Vision Statement

**Mission:** Chadron State College biology program delivers experiences that foster scientifically-literate, knowledgeable, and engaged leaders and citizens in the High Plains region and beyond.

**Vision:** Chadron State College biology program cultivates an understanding and application of scientific literacy through innovative learning experiences designed to explore the complexity of life.

## Student Learning Outcomes

- Students will exhibit a strong knowledge base and the skills to be lifelong learners.
  - Students will exhibit a strong foundational knowledge to be able to acquire new information and apply scientific reasoning to critically evaluate information.
  - Students will apply logical reasoning and organizational skills to integrate new information into their functional knowledge base.
  - Students will integrate information from different scales of view and demonstrate understanding of components and emergent properties among different levels of living systems.
- Students will be prepared for their profession in the science discipline.
  - Students will articulate the interrelatedness of science, technology, and society, and effectively communicate scientific knowledge to a diverse audience.
  - Students will embody the professional characteristics appropriate for their chosen career.
  - Students will effectively utilize scientific inquiry and reasoning to address issues within their profession.
- The Degree of Bachelor of Science with a Comprehensive Major in Biology (p. 43)
  - Biological Resources Option
  - General Biology Option
  - Human Biology Option
  - Molecular Biology Option
  - Organismal Biology Option
- The Degree of Bachelor of Science with a Comprehensive Major in Health Sciences (p. 45)
  - General Health Care Option
  - Pre-Chiropractic Medicine Option
  - Pre-Optometry Option
  - Pre-Pharmacy Option
  - Pre-Veterinary Medicine Option
  - Radiologic Technology Option
- The Degree of Bachelor of Science in Education with a Subject Endorsement in Biology (Grades 7-12) (p. 42)
- Minor in Biology (p. 50)
- Minor in Human Biology (p. 50)
- Minor in Plant Sciences (p. 50)
- Minor in Organismal Biology (p. 50)

## 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 laboratory science,
- physical therapy,
- nursing,
- physician assistant, and
- radiography.

Admission into each option of the program is competitive. Participants and alternates in this program will be selected by a committee of faculty members from CSC and UNMC. Participants in this program must maintain a specified minimum GPA to be “in good standing” and remain in the program. For information, application forms, admissions criteria, criteria for evaluation of progress in the program, and programs of study please contact the Health Professions Office at CSC.

## Options

- Medical Laboratory Science participants in “good standing” will be automatically admitted to UNMC’s School of Allied Health Professions when they have completed 95 course credits of study at CSC. The student will receive a Bachelor of Science degree in Medical Laboratory Science from UNMC upon successful completion of the four year program.
- Dental Hygiene participants in “good standing” will be automatically admitted to UNMC’s School of Dentistry, West Division in Gering, NE when they have completed 63 course credits of study at CSC. The student will receive a Bachelor of Science degree in Dental Hygiene upon successful completion of the four year program.
- Dentistry participants in “good standing” will be automatically admitted to UNMC’s School of Dentistry when they earn a Bachelor of Science degree at CSC. The D.D.S. degree will be awarded by UNMC upon successful completion of the professional program.
- Medicine participants in “good standing” will be automatically admitted to UNMC’s School of Medicine when they earn a Bachelor of Science degree at CSC. The M.D. degree will be awarded by UNMC upon successful completion of the professional program.
- Nursing participants in “good standing” will be automatically admitted to UNMC’s School of Nursing, West Division in Scottsbluff, NE when they complete the required two year program at CSC. The student will earn a Bachelor of Science degree in Nursing from UNMC upon successful completion of the four year program.
- Pharmacy participants in “good standing” will be automatically admitted to UNMC’s School of Pharmacy when they have completed 98 course credits of study at CSC. Pharmacy participants may earn a B.S. in Health Sciences through the 3+1 program at CSC. The Doctor of Pharmacy (PharmD) degree will be awarded by UNMC upon successful completion of the professional program.

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

### Public Health Early Admission Student Track (PHEAST)

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

- Nebraska residents who will have completed approximately 60 credit hours, but no more than 80 credit hours toward their undergraduate program of study at the time of entry into the PHEAST program
- Students must complete and submit a projected plan of study along with their application documents
- If the 3 campus slots are not filled, students who have completed more than 80 credit hours at time of entry into PHEAST may be considered on a case-by-case basis for admission into the program
- Students are required to be in good academic standing and have a cumulative 3.2 grade point average

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

- Visit the UNMC campus and mentors in the fall of their junior and senior years.
- Complete his/her chosen course of study at his/her respective undergraduate institution.
- Successfully complete an undergraduate college level statistics course with a grade of B or higher. High school dual credit courses cannot be considered.
- Complete courses in a timely manner and must be prepared to enter the UNMC College of Public Health Master of Public Health (MPH) Program following successful completion of course of study at his/her respective undergraduate institution.
- Successfully complete the UNMC, online *CPH 500 Foundations of Public Health* course during the spring semester of student’s junior year. Special permission for taking the course following the student’s junior year requires written approval from respective PHEAST Advisor and the UNMC MPH Program Director.
- Earn a “C” or better in each course.

- Obtain a recommended score at or above the 40th percentile on the GRE.
- Complete a Bachelor’s degree from CSC.

#### BIOL 101 GENERAL BIOLOGY I3 Credits

A survey of cellular principles: including biological chemistry, cell structure and function, cellular metabolism, genetics, cell signaling, cell types, mitosis, meiosis, photosynthesis and basic histology.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 101L

#### BIOL 101L GENERAL BIOLOGY I LABORATORY1 Credit

Laboratory experience to explore cellular principles: including biological chemistry, cell structure and function, cellular metabolism, genetics, cell signaling, cell types, mitosis, meiosis, photosynthesis and basic histology.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 101

#### BIOL 102 GENERAL BIOLOGY II3 Credits

Exploration of the diversity and origin of life, classification of living organisms and their interrelatedness, and ecology.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 102L

#### BIOL 102L GENERAL BIOLOGY II LABORATORY1 Credit

Laboratory experience in major animal, plant, fungal, protozoan, and algal groups along with their anatomy, and phylogeny.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 102

#### BIOL 121 HUMAN BIOLOGY2 Credits

An introductory study of the structure and function of the human body.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 121L

**Notes:** Not for Biology or Health Science majors and minors.

#### BIOL 121L HUMAN BIOLOGY LABORATORY1 Credit

Laboratory experience in the structure and function of the human body.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 121

#### BIOL 132 MEDICAL TERMINOLOGY2 Credits

The study of prefixes, suffixes and roots of words used in medical and biological fields, emphasizing their origin in the Greek and Latin languages.

**Notes:** Designed for biology majors and pre-professional students in the health care fields; this course does not satisfy any essential studies requirements.

#### BIOL 136 BIOLOGICAL SCIENCE2 Credits

A survey of biological knowledge and principles designed to meet the needs of the non-science major.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 136L

**Notes:** No credit towards biology major or minor.

#### BIOL 136L BIOLOGICAL SCIENCE LABORATORY1 Credit

Laboratory experience in biological study, including technology to explore and to gather scientific data.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 136

**BIOL 138 GENERAL BIOLOGY: BOTANY3 Credits**

A survey of flowering plants, focusing on anatomy, foundational cellular and organismal physiology, and classification. Plant importance to humans and role in climate moderation and responses to climate change will be introduced.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 138L

**BIOL 138L GENERAL BIOLOGY: BOTANY LABORATORY1 Credit**

Laboratory experience in flowering plants.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 138

**BIOL 139 GENERAL BIOLOGY: ZOOLOGY3 Credits**

General scientific principles, diversity and origin of life, and fundamental cell biology, genetics, classification, ecology, anatomy, behavior of animals, phylogenetic relationships of major animal groups, and an introduction to the systematics, ecology and importance of fungi.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 139L

**BIOL 139L GENERAL BIOLOGY: ZOOLOGY LABORATORY1 Credit**

Laboratory experience in major animal group anatomy and phylogeny.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 139

**BIOL 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**BIOL 230 HISTOLOGY2 Credits**

In Human Histology Students will explore general tissue characteristics, while examining their composition, structures and the structure-function relationship in different tissues and organs. This course is designed for students who are planning on continuing on to professional school.

**BIOL 237 ENVIRONMENTAL SCIENCE3 Credits**

Human interactions and impacts on the physical, chemical and biological components of the global ecosystem.

**Essential Studies:** SLO #6

**BIOL 240 ANATOMY AND PHYSIOLOGY I3 Credits**

The anatomy and physiology of the human body will be studied through the ten body systems. The content of this course includes the microscopic organization of the tissues of the body and the integument, skeletal, muscular, nervous systems.

**Prerequisites:** BIOL 101, 101L and CHEM 131 and 131L or CHEM 140 and 140L

**Co-requisites:** BIOL 240L

**Notes:** This is the first semester of a two semester sequence with BIOL 242 Anatomy and Physiology II; this course is designed for students preparing for 2 year health professional schools.

**BIOL 240L ANATOMY AND PHYSIOLOGY I LABORATORY1 Credit**

Laboratory experience in Anatomy and Physiology I. The content of this course includes the microscopic organization of tissues of the body, anatomy and physiology of the integument, skeletal, muscular and nervous systems. For the anatomy portion, donor bodies are used.

**Co-requisites:** BIOL 240

**BIOL 241 MICROBIOLOGY3 Credits**

Study of bacteria, molds, yeasts, algae, protozoa, viruses, and rickettsias.

**Prerequisites:** BIOL 101, 101L

**Co-requisites:** BIOL 241L

**BIOL 241L MICROBIOLOGY LABORATORY1 Credit**

Laboratory experience in techniques for microbe identification.

**Co-requisites:** BIOL 241

**BIOL 242 ANATOMY AND PHYSIOLOGY II3 Credits**

The anatomy and physiology of the human body will be studied through the ten body systems. The content of this course includes the microscopic organization of the tissues of the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems.

**Prerequisites:** BIOL 101, 101L and CHEM 131 and 131L or CHEM 140 and 140L and BIOL 240 and 240L

**Co-requisites:** BIOL 242L

**Notes:** This is the second semester of a two semester sequence with BIOL 240 Anatomy and Physiology I; this course is designed for students preparing for the 2 year health professional schools.

**BIOL 242L ANATOMY AND PHYSIOLOGY II LABORATORY1 Credit**

Laboratory experience Anatomy and Physiology II. The content of this course includes anatomy and physiology of the endocrine, cardiovascular, lymphatic, digestive, urinary, males and female reproductive systems. For the anatomy portion, donor bodies are used.

**Co-requisites:** BIOL 242

**BIOL 243 BOTANY3 Credits**

A survey of the plant kingdom, with a focus on flowering plants. Phylogeny, anatomy, cellular and organismal physiology, and plant importance to humans and role in climate moderation and responses to climate change will be studied.

**Co-requisites:** BIOL 243L

**BIOL 243L BOTANY LABORATORY1 Credit**

Laboratory inquiry experience in a survey of the plant kingdom, with a focus on flowering plants. Phylogeny, anatomy, cellular and organismal physiology, and plant importance to humans and role in climate moderation and responses to climate change will be studied.

**Co-requisites:** BIOL 243

**BIOL 244 ZOOLOGY3 Credits**

The physiology, behavior, ecology, and phylogenetic treatment of vertebrate and invertebrate animals, living and extinct.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 244L

**BIOL 244L ZOOLOGY LABORATORY1 Credit**

Laboratory experience in the phylogenetic relationships of animals.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 244

**BIOL 270 TOPICS IN BIOLOGY1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphasis for up to six hours credit.

**BIOL 312 BIOLOGY FOR EDUCATORS3 Credits**

This course will examine basic principles in cell biology, genetics, anatomy and physiology, microbiology, and ecology with the aim of learning how to teach these subjects in a high school classroom. Lesson planning, activity development, scientific literacy, critical thinking skills, active learning, inquiry-based learning and brain-based learning will all be incorporated in the class.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 312L

**BIOL 312L BIOLOGY FOR EDUCATORS LABORATORY1 Credit**

This laboratory course will examine basic principles in cell biology, genetics, anatomy and physiology, microbiology, and ecology in a lab setting.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 312

**BIOL 315 REGIONAL ANATOMY1 Credit**

Regional anatomy of the human body will be studied. The purpose of this course is to be an accompaniment to the BIOL 340: Anatomy Cadaver lab experience.

**Prerequisites:** BIOL 240, 242 and instructor approval

**Co-requisites:** BIOL 340L

**Add Consent:** Instructor Consent

**Requirements:** Students must have previously taken a 200 level Anatomy (anatomy/physiology) course to a 300 level anatomy course. Instructor approval required.

**BIOL 316 PHYSIOLOGY OF THE HUMAN SYSTEMS1 Credit**

Physiology of the systems of the human body will be studied. The purpose of this course is to be an accompaniment to the BIOL 342: Physiology Lab.

**Prerequisites:** BIOL 240, 242 and instructor approval

**Co-requisites:** BIOL 342L

**Add Consent:** Instructor Consent

**Requirements:** Students must have previously taken a 200 level physiology (anatomy/physiology) course or a 300 level physiology course. Instructor approval required.

**BIOL 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**BIOL 323 BASIC HEMATOLOGY1 Credit**

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.

**Prerequisites:** CHEM 231, 231L, BIOL 101, 101L, 102, 102L, or BIOL 240, 240L and 242, 242L or BIOL 340, 340L and 342, 342L and Sophomore or above status

**Co-requisites:** BIOL 323L

**BIOL 323L BASIC HEMATOLOGY LABORATORY1 Credit**

Laboratory experience in basic hematology and urinalysis.

**Co-requisites:** BIOL 323

**Requirements:** All students must have received two of the three hepatitis B vaccinations prior to beginning this course.

**BIOL 327 ENVIRONMENTAL REMEDIATION2 Credits**

This course covers the physical, chemical, and biological methods of environmental remediation, including biochemical mechanisms behind biodegradation, biotransformation, uptake, and detoxification of metals and organic pollutants.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 241, 241L, and CHEM 231, 231L or CHEM 333, 333L and sophomore or above status

**Co-requisites:** BIOL 327L

**BIOL 327L ENVIRONMENTAL REMEDIATION LABORATORY1 Credit**

Laboratory experience in experimental design and applied usage of chemical and biological techniques for environmental remediation.

**Co-requisites:** BIOL 327

**BIOL 332 GENETICS3 Credits**

Transmission of traits from generation to generation, including Mendelian, molecular, and population genetics.

**Prerequisites:** BIOL 101, 101L, 102, 102L and CHEM 131 and 131L and CHEM 131 and 131 and 132L or CHEM 140 and 140L, completion of Essential Studies SLO#4 and Sophomore or above status

**BIOL 332L GENETICS LABORATORY1 Credit**

Laboratory experience in inheritance, molecular genetic analysis, and genomic studies.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 332

**BIOL 333 HUMAN DISEASES IN THE RURAL ENVIRONMENT3 Credits**

An introduction to the causes and spread of human diseases within populations and factors associated with distribution, including cellular/physiological, biological, behavior, sociocultural, evolutionary, and environmental factors. Using epidemiological and biological terminology and methods, critical thinking and basic analysis, students will be able to describe how diseases distribute through a populations and communities, as well as interpret and evaluate epidemiological and physiological studies. The U.S. and global view of epidemiology will also be discussed with an emphasis on the rural/urban divide in disease spread and health care access.

**Prerequisites:** BIOL 240, BIOL 340 or instructor permission and sophomore or above status

**BIOL 336 GENERAL ECOLOGY2 Credits**

The structure and function of nature with emphasis on biomes, ecosystems, communities, and populations.

**Prerequisites:** 6 hours from BIOL 101, BIOL 101L, BIOL 102, BIOL 102L, AGRI 141, AGRI 242 or AGRI 242L and Sophomore or above status

**Co-requisites:** BIOL 336L

**BIOL 336L GENERAL ECOLOGY LABORATORY1 Credit**

Laboratory experience in describing and quantifying organismal populations.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 336

**BIOL 337 ENVIRONMENTAL MANAGEMENT3 Credits**

Ecosystem management, environmental planning, history of environmental protection, the roles of federal and state agencies, environmental law, environmental ethics, and professional skills relevant to those interested in land-management related careers in the public and private sector.

**Prerequisites:** 9 hours from AGRI, BIOL, CHEM and/or GEOS; sophomore or junior status

**BIOL 339 COMPARATIVE ANATOMY AND PHYSIOLOGY3 Credits**

A systemic approach to vertebrate anatomy and physiology examining how structures and organ systems have evolved through the different vertebrate groups from fish to mammals. The structure and function of vertebrate organ systems will be discussed in the context of developmental and evolutionary history.

**Prerequisites:** BIOL 101, 101L, 102, 102L and Sophomore or above status

**Co-requisites:** BIOL 339L

**BIOL 339L COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY1 Credit**

Investigation of vertebrate anatomy and physiology through dissection of a variety of vertebrates and microscopic examination of selected histological preparations of tissues.

**Prerequisites:** BIOL 101, 101L, 102, 102L and Sophomore or above status

**Co-requisites:** BIOL 339

**BIOL 340 HUMAN ANATOMY3 Credits**

An advanced study of the microscopic and gross structure of the human body. This course will prepare the student for entry into BIOL 342. Donor bodies are used.

**Prerequisites:** BIOL 101, 101L, 102, 102L, and CHEM 131, 131L, and CHEM 132, 132L or BIOL 240, 240L and BIOL 242, 242L and Sophomore or above status

**Co-requisites:** BIOL 340L

**BIOL 340L GROSS HUMAN ANATOMY LABORATORY1 Credit**

Gross human anatomy laboratory uses donor bodies.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 340

**BIOL 342 HUMAN PHYSIOLOGY3 Credits**

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.

**Prerequisites:** BIOL 340, BIOL 340L and CHEM 140 and CHEM 140L or CHEM 132 and CHEM 132L, and Sophomore or above status

**Co-requisites:** BIOL 342L

**Notes:** This is the second semester of a two semester sequence with BIOL 340; this course is designed for students preparing for 3-4 year professional schools.

**BIOL 342L HUMAN PHYSIOLOGY LABORATORY1 Credit**

Laboratory experience in physiology of human systems, using technology and donor bodies.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 342

**BIOL 343 PARASITOLOGY2 Credits**

Taxonomy, morphology, physiology, life history, and control of the parasitic protozoans, helminthes, and arthropods.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, and 244L and Sophomore or above status

**BIOL 343L PARASITOLOGY LABORATORY1 Credit**

Laboratory experience in identifying and understanding parasites of living systems.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 343

**BIOL 347 CRYPTOGAMIC BOTANY2 Credits**

Phylogeny and ecology of bacteria, algae and fungi.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L or 9 hours from AGRI courses and sophomore or above status

**BIOL 347L CRYPTOGAMIC BOTANY LABORATORY1 Credit**

Laboratory survey of bacteria, algae and fungi. Field trips required.

**BIOL 350 FIELD BIOLOGY1-6 Credits**

Two to five week field course offered between semesters, spring break, or during the summer.

**Prerequisites:** Sophomore or above status

**Notes:** 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.

**Requirements:** Fees in addition to tuition will be charged; early registration required.

**BIOL 390 INTERNSHIP IN BIOLOGY1-12 Credits**

Provides practical experience as a biologist in government, business, or industry. Open to upper division students majoring in the area of biology.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President is required.

**BIOL 401 ORNITHOLOGY2 Credits**

Biology of birds, including their classification, anatomy, physiology, life history, behavior, ecology, and identification with emphasis on local species.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, 244L or 9 hours of AGRI courses and Junior or above status

**Co-requisites:** BIOL 401L

**BIOL 401L ORNITHOLOGY LABORATORY1 Credit**

Laboratory and field experience in anatomy, behavior, and identification of birds.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 401

**BIOL 405 HUMAN ANATOMY MENTOR2 Credits**

Students will assist BIOL 340L, Human Anatomy Lab instructor in the preparation and delivery of laboratory instruction using anatomical specimens and conduct additional optional "open-lab" study sessions.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 422

**Add Consent:** Instructor Consent

**Requirements:** Written permission of instructor is required.

**BIOL 406 HUMAN PHYSIOLOGY MENTOR2 Credits**

Students will assist BIOL 342L, Human Physiology Lab instructor in the preparation and delivery of laboratory instruction using live physiologic experimentation and computer simulations and conduct additional occasional "open-lab" study sessions.

**Prerequisites:** BIOL 422 and Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Written permission of instructor is required.

**BIOL 409 SENIOR BIOLOGY RESEARCH1-3 Credits**

Original investigation in biology under a faculty member's supervision and guidance. A public presentation of results will occur.

**Add Consent:** Instructor Consent

**Notes:** May be repeated up to four times, for no more than 6 credits total.

**BIOL 422 ADVANCED HUMAN ANATOMY1 Credit**

The advanced study of human anatomy through human gross dissection, histological analysis and clinical anatomy of each system of the body.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 340, 340L, 342, 342L, BIOL 340, BIOL 340L with C or better, CHEM 131, 131L, 132, 132L, and Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Written permission by the course instructor required.



**BIOL 424 ADVANCED PHYSIOLOGY1 Credit**

The advanced study of human physiology through a group research project monitoring physiological processes in human subjects for the duration of the semester, class discussions of primary and secondary literature relevant to the group project, and writing assignments designed to help students with their end of semester project reports. Appropriate channels for the ethical use of human subjects will be followed within the guidelines for Chadron State College.

**Prerequisites:** BIOL 340, BIOL 340L, BIOL 342, BIOL 342L and junior or above status

**Add Consent:** Instructor Consent

**BIOL 425 PLANT MORPHOLOGY2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L or 9 hours of AGRI courses and Junior or above status

**BIOL 425L PLANT MORPHOLOGY LABORATORY1 Credit**

Laboratory experience.

**BIOL 427 BIOLOGY OF POPULATIONS3 Credits**

Population ecology and the genetic processes of adaptation and evolution. Lectures and class discussion of current literature, plus application of concepts in a literature review paper is required.

**Prerequisites:** BIOL 332, BIOL 332L, BIOL 336, BIOL 336L and Junior or above status

**BIOL 428 BIOINFORMATICS3 Credits**

Introduction to the use of bioinformatics data and methods to study DNA and protein sequences and evaluate differences in gene expression between cells. Methods taught in this class are useful for studies in biotechnology, genetics, nutrition, molecular biology, microbiology, epidemiology, pharmacology, and ecology. Students will learn to use available information and databases to ask complex biological questions using a project-based approach.

**Prerequisites:** Upper division science student or instructor permission

**BIOL 430 IMMUNOLOGY3 Credits**

Function of the human immune system including the structure and function of bone marrow, blood cells, and lymphatic tissue.

**Prerequisites:** BIOL 101, 101L, 241, 241L, and BIOL 242, 242L or BIOL 340, 340L and BIOL 342, 341L, and Junior or above status

**BIOL 431 ENTOMOLOGY2 Credits**

Taxonomy, morphology, physiology, life history, behavior, ecology and economic importance of insects. Lecture, laboratory and field trips.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L, 244, 244L and Junior or above status

**Co-requisites:** BIOL 431L

**BIOL 431L ENTOMOLOGY LABORATORY1 Credit**

Laboratory and field experience in insect morphology and taxonomy.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 431

**BIOL 432 DEVELOPMENTAL BIOLOGY2 Credits**

Molecular and cellular aspects of development, including the regulation and expression of the genome during development, fertilization, cleavage, gastrulation, morphogenesis, and organogenesis.

**Prerequisites:** BIOL 110, 101L, 102, 102L, 340, 340L, 342, 342L, 340, 340L with C or better, CHEM 131, 131L, 132, 132L, and Junior or above status

**Co-requisites:** BIOL 432L

**BIOL 432L DEVELOPMENTAL BIOL LABORATORY1 Credit**

Laboratory experience in vertebrate embryology and morphological development.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 432

**BIOL 433 HUMAN BIOMECHANICS2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 342, 342L, PHYS 151, PHYS 151L, CHEM 131, CHEM 131L, 132, 132L and Junior or above status

**BIOL 433L HUMAN BIOMECHANICS LAB1 Credit**

Laboratory experience in human movement. Technology and donor bodies will be used.

**BIOL 435 MAMMALOGY2 Credits**

Systematics, life history, physiology, and behavior of mammals.

**Cross-Listed:** AGRI445/BIOL435

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, 244L or 9 credits of AGRI courses

**Co-requisites:** BIOL 435L

**Requirements:** Field trips required.

**BIOL 435L MAMMALOGY LABORATORY1 Credit**

Laboratory experience in mammal structure and function.

**Cross-Listed:** AGRI445L/BIOL435L

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 435

**BIOL 438 TAXONOMY OF PLANTS2 Credits**

Applied taxonomy of vascular plants, with emphasis on families of flowering plants in the northern Great Plains.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L and Junior or above status

**Co-requisites:** BIOL 438L

**Requirements:** Field trips required.

**BIOL 438L TAXONOMY OF PLANTS LABORATORY1 Credit**

Laboratory experience in collecting, identifying and preparing vascular plant specimens, with emphasis on family recognition. A student plant collection project is required.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 438

**BIOL 439 PLANT PHYSIOLOGY2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L or AGRI 141 and CHEM 131 and 131L or CHEM 140 and 140L, and Junior or above status

**Co-requisites:** BIOL 439L

**BIOL 439L PLANT PHYSIOLOGY LABORATORY1 Credit**

Laboratory experience in plant structure and function, with an emphasis on applied plant biochemistry.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 439

**BIOL 440 TOPICS IN BIOLOGY1-3 Credits**

Designed to meet the needs of students desiring knowledge in areas of biology not covered in another biology course. Study topics and credit will be arranged to meet the needs of the students. Laboratory work and field work.

**Notes:** Can be repeated with a change in emphasis for a total of six hours of credit.

**Requirements:** Extra fees may be required.

**BIOL 444 FRESHWATER ECOLOGY2 Credits**

Biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Prerequisites:** BIOL 243, 243L, 244, 244L, 336, 336L and junior or above status

**Co-requisites:** BIOL 444L

**Requirements:** Field trips required.

**BIOL 444L FRESHWATER ECOLOGY LABORATORY1 Credit**

Laboratory and field experience in biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Prerequisites:** BIOL 336, 336L and junior or above status

**Co-requisites:** BIOL 444

**BIOL 446 REGIONAL FLORA3 Credits**

The plants and plant communities of the region. Field trips required.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L and Junior or above status

**BIOL 447 PLANT PHYLOGENY1 Credit**

The phylogenetic treatment of land plants, living and extinct.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L and Junior or above status

**BIOL 447L PLANT PHYLOGENY LABORATORY2 Credits**

Survey of land plant groups, with emphasis on the taxonomy and ecology of bryophytes.

**BIOL 448 ETHNOBOTANY3 Credits**

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.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**BIOL 449 MOLECULAR BIOLOGY OF THE CELL3 Credits**

In-depth analysis of eukaryotic cellular biology, including cell-cell communication, signal transduction, apoptosis, control of cell cycle, and other advanced topics (cancer, gene therapy, prokaryotic cells, viruses).

**Prerequisites:** BIOL 101, 101L, 102, 102L, 332, 332L, 241, 241L and 242, 242L or BIOL 340, 340L and 342, 342L and CHEM 131, 131L, 132, 132L or CHEM 140, 140L, and CHEM 231, 231L or CHEM 333, 333L, and Junior or above status

**BIOL 456 PATHOGENIC MICROBIOLOGY2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 241, 241L and 242, 242L or 340, 340L, 342, 342L and Junior or above status

**BIOL 456L PATHOGENIC MICROBIOLOGY LABORATORY1 Credit**

Laboratory experience in isolation and clinical identification of pathogenic microbes.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 456

**BIOL 458 BIOLOGICAL EVOLUTION3 Credits**

Study of the fundamental theory of evolution, including phylogeny and earth history, macro-evolutionary patterns, micro-evolutionary processes, and synthesis.

**Prerequisites:** BIOL 243, 243L, 244, 244L and BIOL 332, 332L or GEOS 234, 234L and GEOS 337, 337L.

**BIOL 479 INTERNSHIP IN HEALTH SCIENCES: RESPIRATORY THERAPY5 Credits**

This class is a combination of clinical and coursework building towards a career in respiratory therapy. The clinical portion of this course will include clinical rotations with a wide range of patient populations. Students are evaluated on affective skills, as well as clinical competencies. Course work will include principles of respiratory therapy throughout the internship year. The student will demonstrate competencies in a respiratory lab setting. Students must make arrangements to conduct clinicals in an approved hospital setting.

**Prerequisites:** Junior or above status

**BIOL 499 BIOLOGY CAPSTONE3 Credits**

Students will integrate information from their undergraduate biology program to select a topic, which must be approved by the biology faculty. Students will examine the scientific research supporting the thesis, the broad shift in ideas and knowledge relating to the topic and its interaction with society, and political and ethical considerations relating to the subject. Students will find appropriate primary research articles to support the thesis and will complete original research paper or literature review (senior thesis) on the topic, a public presentation, and a poster.

**Essential Studies:** SLO #12

**Prerequisites:** BIOL 101, 101L, 102, 102L, and CHEM 131, 131L, 132, 132L or CHEM 140, 140L, BIOL 332, 332L and Junior or above status

**Notes:** Course is intended for biology majors.

## The Degree of Bachelor of Science in Education with a Subject Endorsement in Biology (Grades 7-12)

A student must complete the following program in addition to the Professional Education, and Essential Studies Program requirements. It is strongly recommended that students pursuing this endorsement complete MATH 138 APPLIED CALCULUS as the Essential Studies Outcome #4 requirement and GEOS 437 WORLD ENVIRONMENTAL ISSUES as the Essential Studies Outcome #9 requirements. Students should also consider BIOL 439 PLANT PHYSIOLOGY/BIOL 439L PLANT PHYSIOLOGY LABORATORY, and BIOL 343 PARASITOLOGY/BIOL 343L PARASITOLOGY LABORATORY or BIOL 456 PATHOGENIC MICROBIOLOGY/BIOL 456L PATHOGENIC MICROBIOLOGY LABORATORY. A final grade of "C" or better must be attained in all endorsement area courses. To obtain a departmental recommendation, the student must complete a minimum of 9 credit hours from Chadron State College in BIOL, CHEM, GEOS, or PHYS.

| Code   | Title  | Credits      |
|--|--|--------------|
| Essential Studies (p. 14)  |  |              |
| Professional Education Courses ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |  |              |
| Core Requirements  |  |              |
| BIOL 101 & 101L  | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY                                   | 4            |
| BIOL 102 & 102L  | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY                                 | 4            |
| BIOL 241 & 241L  | MICROBIOLOGY and MICROBIOLOGY LABORATORY   | 4            |
| BIOL 243 & 243L  | BOTANY and BOTANY LABORATORY   | 4            |
| BIOL 244 & 244L  | ZOOLOGY and ZOOLOGY LABORATORY   | 4            |
| BIOL 320   | SUPERVISED STUDY IN LAB AND FIELD METHODS  | 1            |
| BIOL 332 & 332L  | GENETICS and GENETICS LABORATORY   | 4            |
| BIOL 336 & 336L  | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY                                       | 3            |
| BIOL 458   | BIOLOGICAL EVOLUTION   | 3            |
| BIOL 499   | BIOLOGY CAPSTONE   | 3            |
| CHEM 320   | SUPERVISED STUDY IN LAB AND FIELD METHODS  | 1            |
| CHEM 342   | INSTRUMENTAL ANALYSIS  | 3            |
| Select one of the following:   |  | 4            |
| CHEM 131 & 131L  | COLLEGE CHEMISTRY I and COLLEGE CHEMISTRY I LABORATORY                               |              |
| CHEM 140 & 140L  | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY                               |              |
| Select one of the following:   |  | 3-4          |
| BIOL 121 & 121L  | HUMAN BIOLOGY and HUMAN BIOLOGY LABORATORY   |              |
| BIOL 339 & 339L  | COMPARATIVE ANATOMY AND PHYSIOLOGY and COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY |              |
| <b>Total Credits</b>   |  | <b>45-46</b> |

<sup>1</sup> CHEM 131 COLLEGE CHEMISTRY I/CHEM 131L COLLEGE CHEMISTRY I LABORATORY and CHEM 132 COLLEGE CHEMISTRY II/CHEM 132L COLLEGE CHEMISTRY II LABORATORY may be substituted. See Biology advisor.

Students interested in pursuing science education should also reference the Secondary Field Endorsement - Science, middle level specialization, and elementary science minor under Physical Sciences.

## The Degree of Bachelor of Science with a Comprehensive Major in Biology

A student must complete the core requirements, an option, and the Essential Studies requirements. Students pursuing a comprehensive major in biology should take MATH 138 APPLIED CALCULUS or MATH 232 APPLIED STATISTICS as their Essential Studies Math requirement.

NOTE: Students may earn only one option within the Biology Major, although they are encouraged to take additional courses to expand their scientific knowledge and abilities. Some courses require successful completion of prerequisite courses prior to enrollment, as articulated in the catalog course descriptions. Successful completion means earning a "C" or better in the prerequisite course(s).

| Code                                 | Title  | Credits      |
|--------------------------------------|--|--------------|
| Essential Studies (p. 14)            |  |              |
| Core Requirements                    |  |              |
| BIOL 101 & 101L                      | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY                     | 4            |
| BIOL 102 & 102L                      | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY                   | 4            |
| BIOL 243 & 243L                      | BOTANY and BOTANY LABORATORY   | 4            |
| BIOL 244 & 244L                      | ZOOLOGY and ZOOLOGY LABORATORY   | 4            |
| BIOL 332 & 332L                      | GENETICS and GENETICS LABORATORY                                       | 4            |
| BIOL 458                             | BIOLOGICAL EVOLUTION   | 3            |
| Select one of the following options: |  | 8            |
| Option 1                             |  |              |
| CHEM 131 & 131L                      | COLLEGE CHEMISTRY I and COLLEGE CHEMISTRY I LABORATORY <sup>1</sup>    |              |
| CHEM 132 & 132L                      | COLLEGE CHEMISTRY II and COLLEGE CHEMISTRY II LABORATORY <sup>1</sup>  |              |
| Option 2                             |  |              |
| CHEM 140 & 140L                      | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY <sup>1</sup>    |              |
| CHEM 231 & 231L                      | SURVEY OF ORGANIC CHEMISTRY and SURVEY OF ORGANIC CHEMISTRY LABORATORY |              |
| Select one of the following options: |  | 3            |
| Option 1                             |  |              |
| BIOL 499                             | BIOLOGY CAPSTONE   |              |
| Option 2                             |  |              |
| CHEM 310                             | CAPSTONE I: RESEARCH SEMINAR   |              |
| CHEM 401                             | CAPSTONE II: SENIOR RESEARCH   |              |
| CHEM 410                             | CAPSTONE III: SENIOR RESEARCH/THESIS                                   |              |
| Select one of the following options: |  | 20-23        |
| Biological Resources (p. 44)         |  |              |
| General Biology (p. 44)              |  |              |
| Human Biology (p. 44)                |  |              |
| Molecular Biology (p. 45)            |  |              |
| Organismal Biology (p. 45)           |  |              |
| <b>Total Credits</b>                 |  | <b>54-57</b> |

<sup>1</sup> Specified in options. Students should look at option requirements and career expectations/graduate program entrance requirements and discuss with faculty advisor whether CHEM 140 SURVEY OF CHEMISTRY/CHEM 140L SURVEY OF CHEMISTRY LAB or CHEM 132 COLLEGE CHEMISTRY II/CHEM 132L COLLEGE CHEMISTRY II LAB is appropriate.

<sup>2</sup> Specified Capstone options: Students should look at option requirements and career expectations/graduate program entrance

requirements and discuss with faculty advisor whether BIOL 499: BIOLOGY CAPSTONE or CHEM 310, 401, 401 CHEMISTRY CAPSTONE SEQUENCE is appropriate.

## Biological Resources Option

| Code                                 | Title  | Credits      |
|--------------------------------------|--|--------------|
| Core Requirements <sup>3</sup>       |  | 34           |
| BIOL 327 & 327L                      | ENVIRONMENTAL REMEDIATION and ENVIRONMENTAL REMEDIATION LABORATORY                   | 4            |
| BIOL 336 & 336L                      | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY                                       | 3            |
| BIOL 337                             | ENVIRONMENTAL MANAGEMENT   | 3            |
| BIOL 390                             | INTERNSHIP IN BIOLOGY <sup>5</sup>   | 1            |
| BIOL 438 & 438L                      | TAXONOMY OF PLANTS and TAXONOMY OF PLANTS LABORATORY                                 | 3            |
| GEOS 321                             | INTRODUCTION TO GPS  | 3            |
| Select 3-6 credits of the following: |  | 3-6          |
| BIOL 241 & 241L                      | MICROBIOLOGY and MICROBIOLOGY LABORATORY   |              |
| BIOL 339 & 339L                      | COMPARATIVE ANATOMY AND PHYSIOLOGY and COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY |              |
| BIOL 347 & 347L                      | CRYPTOGAMIC BOTANY and CRYPTOGRAMIC BOTANY LABORATORY                                |              |
| BIOL 401 & 401L                      | ORNITHOLOGY and ORNITHOLOGY LABORATORY   |              |
| BIOL 428                             | BIOINFORMATICS   |              |
| BIOL 431 & 431L                      | ENTOMOLOGY and ENTOMOLOGY LABORATORY   |              |
| BIOL 435 & 435L                      | MAMMALOGY and MAMMALOGY LABORATORY   |              |
| BIOL 439 & 439L                      | PLANT PHYSIOLOGY and PLANT PHYSIOLOGY LABORATORY                                     |              |
| BIOL 444 & 444L                      | FRESHWATER ECOLOGY and FRESHWATER ECOLOGY LABORATORY                                 |              |
| BIOL 446                             | REGIONAL FLORA   |              |
| <b>Total Credits</b>                 |  | <b>54-57</b> |

<sup>3</sup> should complete CHEM 140 SURVEY OF CHEMISTRY/CHEM 140L SURVEY OF CHEMISTRY LABORATORY and CHEM 433 ENVIRONMENTAL CHEMISTRY/CHEM 433L ENVIRONMENTAL CHEMISTRY LABORATORY

<sup>4</sup> Students entering the Environmental Resource Management field are encouraged to pursue a minor in Applied Statistics, Chemistry, Geoscience, Water Resource Management, or Wildlife Management.

<sup>5</sup> 1 credit is required; however, 3 credits is recommended. A student may do up to 6 credits of internship.

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

## General Biology Option

| Code  | Title  | Credits   |
|---|--|-----------|
| Core Requirements <sup>3</sup>                |  | 34        |
| BIOL 241 & 241L                               | MICROBIOLOGY and MICROBIOLOGY LABORATORY       | 4         |
| BIOL 336 & 336L                               | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY | 4         |
| BIOL 449                                      | MOLECULAR BIOLOGY OF THE CELL                  | 3         |
| MATH 232                                      | APPLIED STATISTICS                             | 3         |
| Upper Division Biology Electives <sup>6</sup> |  | 9         |
| <b>Total Credits</b>                          |  | <b>57</b> |

<sup>6</sup> BIOL 390: INTERNSHIP IN BIOLOGY (3 credit max) or research through the Chemistry Capstone sequence is highly recommended.

## Human Biology Option

| Code                               | Title  | Credits   |
|------------------------------------|--|-----------|
| Core Requirements <sup>7</sup>     |  | 34        |
| BIOL 241 & 241L                    | MICROBIOLOGY and MICROBIOLOGY LABORATORY                       | 4         |
| BIOL 340 & 340L                    | HUMAN ANATOMY and GROSS HUMAN ANATOMY LABORATORY               | 4         |
| BIOL 342 & 342L                    | HUMAN PHYSIOLOGY and HUMAN PHYSIOLOGY LABORATORY               | 4         |
| BIOL 449                           | MOLECULAR BIOLOGY OF THE CELL                                  | 3         |
| Select 8 credits of the following: |  | 8         |
| BIOL 132                           | MEDICAL TERMINOLOGY  |           |
| BIOL 230                           | HISTOLOGY  |           |
| BIOL 323 & 323L                    | BASIC HEMATOLOGY and BASIC HEMATOLOGY LABORATORY               |           |
| BIOL 333                           | HUMAN DISEASES IN THE RURAL ENVIRONMENT                        |           |
| BIOL 343 & 343L                    | PARASITOLOGY and PARASITOLOGY LABORATORY                       |           |
| BIOL 430                           | IMMUNOLOGY   |           |
| BIOL 432 & 432L                    | DEVELOPMENTAL BIOLOGY and DEVELOPMENTAL BIOL LABORATORY        |           |
| BIOL 433 & 433L                    | HUMAN BIOMECHANICS and HUMAN BIOMECHANICS LAB                  |           |
| BIOL 456 & 456L                    | PATHOGENIC MICROBIOLOGY and PATHOGENIC MICROBIOLOGY LABORATORY |           |
| CHEM 333 & 333L                    | ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY I LABORATORY         |           |
| CHEM 335 & 335L                    | BIOCHEMISTRY I and BIOCHEMISTRY LABORATORY                     |           |
| <b>Total Credits</b>               |  | <b>57</b> |

<sup>7</sup> Must complete CHEM 131 COLLEGE CHEMISTRY I, CHEM 131L COLLEGE CHEMISTRY I LABORATORY and CHEM 132 COLLEGE CHEMISTRY II, CHEM 132L COLLEGE CHEMISTRY II LABORATORY option in the core.

## Molecular Biology Option

| Code                               | Title  | Credits   |
|------------------------------------|--|-----------|
| Core Requirements <sup>8</sup>     |  | 34        |
| BIOL 428                           | BIOINFORMATICS   | 3         |
| BIOL 449                           | MOLECULAR BIOLOGY OF THE CELL                            | 3         |
| CHEM 333 & 333L                    | ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY I LABORATORY   | 4         |
| CHEM 335                           | BIOCHEMISTRY I   | 3         |
| CHEM 342                           | INSTRUMENTAL ANALYSIS                                    | 3         |
| PHYS 151 & 151L                    | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY       | 4         |
| Select 3 credits of the following: |  | 3         |
| BIOL 241 & 241L                    | MICROBIOLOGY and MICROBIOLOGY LABORATORY                 |           |
| BIOL 323 & 323L                    | BASIC HEMATOLOGY and BASIC HEMATOLOGY LABORATORY         |           |
| BIOL 390 or BIOL 409               | INTERNSHIP IN BIOLOGY or SENIOR BIOLOGY RESEARCH         |           |
| BIOL 432 & 432L                    | DEVELOPMENTAL BIOLOGY and DEVELOPMENTAL BIOL LABORATORY  |           |
| BIOL 439 & 439L                    | PLANT PHYSIOLOGY and PLANT PHYSIOLOGY LABORATORY         |           |
| BIOL 447 & 447L                    | PLANT PHYLOGENY and PLANT PHYLOGENY LABORATORY           |           |
| CHEM 334 & 334L                    | ORGANIC CHEMISTRY II and ORGANIC CHEMISTRY II LABORATORY |           |
| CHEM 335L                          | BIOCHEMISTRY LABORATORY                                  |           |
| PHYS 152 & 152L                    | COLLEGE PHYSICS II and COLLEGE PHYS II LABORATORY        |           |
| <b>Total Credits</b>               |  | <b>57</b> |

<sup>8</sup> CHEM 132 COLLEGE CHEMISTRY II/CHEM 132L COLLEGE CHEMISTRY II LABORATORY required for this option: the chemistry capstone series or other research/internship experience is recommended.

## Organismal Biology Option

| Code                                | Title  | Credits |
|-------------------------------------|--|---------|
| Core Requirements <sup>9</sup>      |  | 34      |
| BIOL 431 & 431L                     | ENTOMOLOGY and ENTOMOLOGY LABORATORY   | 3       |
| BIOL 435 & 435L                     | MAMMALOGY and MAMMALOGY LABORATORY   | 3       |
| BIOL 438 & 438L                     | TAXONOMY OF PLANTS and TAXONOMY OF PLANTS LABORATORY                                 | 3       |
| Select 14 credits of the following: |  | 14      |
| BIOL 241 & 241L                     | MICROBIOLOGY and MICROBIOLOGY LABORATORY   |         |
| BIOL 336 & 336L                     | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY                                       |         |
| BIOL 337                            | ENVIRONMENTAL MANAGEMENT   |         |
| BIOL 339 & 339L                     | COMPARATIVE ANATOMY AND PHYSIOLOGY and COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY |         |

|                      |   |           |
|----------------------|---|-----------|
| BIOL 343 & 343L      | PARASITOLOGY and PARASITOLOGY LABORATORY              |           |
| BIOL 347 & 347L      | CRYPTOGAMIC BOTANY and CRYPTOGRAMIC BOTANY LABORATORY |           |
| BIOL 390 or BIOL 409 | INTERNSHIP IN BIOLOGY or SENIOR BIOLOGY RESEARCH      |           |
| BIOL 401 & 401L      | ORNITHOLOGY and ORNITHOLOGY LABORATORY                |           |
| BIOL 428             | BIOINFORMATICS  |           |
| BIOL 439 & 439L      | PLANT PHYSIOLOGY and PLANT PHYSIOLOGY LABORATORY      |           |
| BIOL 447 & 447L      | PLANT PHYLOGENY and PLANT PHYLOGENY LABORATORY        |           |
| GEOS 322             | INTRODUCTION TO GIS                                   |           |
| <b>Total Credits</b> |   | <b>57</b> |

<sup>9</sup> CHEM 335 BIOCHEMISTRY I/CHEM 335L BIOCHEMISTRY LABORATORY recommended.

To enhance employment potential it is recommended that the student complement this degree with a minor in Chemistry, Geoscience, Wildlife Management or Applied Statistics.

## 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 their advisor 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 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 Program Liaison/Department Chair and the Dean of Business, Math and Science. Chadron State College will determine the appropriate application of credits for each professional program listed by each applicant.
2. The professional program(s) attended must require a high school diploma or equivalent as an entrance requirement and have at least 25% of the training program as academic work in the classroom. The remaining 75% can be clinical training. The professional program should also be at the upper division (300 level or above) or graduate level, and not concurrently offer a baccalaureate degree. The student is responsible for proving these conditions exist.
3. To earn this degree the student must complete
  - at least 30 course credits of Chadron State College credit before or after the professional program of studies,
  - the comprehensive major as subsequently described,
  - 40 upper division course credits,
  - 120 college course credits, and
  - the Essential Studies requirements as subsequently listed.

- Should the professional program component not total 30 course credits the student must earn additional Chadron State College credits at the upper division level to meet the 120 total credit minimum.
4. A student that wishes to complete this degree should have their advisor place their contact information on record in the health professions office. This information will be used to contact the student towards the end of their first year of professional school to set up transfer credits back to Chadron State College and to provide the application for graduation from Chadron State College.

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

Each student must complete the core requirements, one option, and essential studies courses specified. Transfer students with an Associate's Degree can petition the Health Professions Advisory Board to waive the essential studies course requirements. The application can be obtained from the Health Professions Director.

| Code   | Title  | Credits |
|--|--|---------|
| Essential Studies (p. 14)  |  |         |
| Core Requirements  |  |         |
| Select one of the following: (Please see note below regarding selection) |  | 4       |
| BIOL 240 & 240L  | ANATOMY AND PHYSIOLOGY I and ANATOMY AND PHYSIOLOGY I LABORATORY <sup>1</sup>        |         |
| BIOL 339 & 339L  | COMPARATIVE ANATOMY AND PHYSIOLOGY and COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY |         |
| BIOL 340 & 340L  | HUMAN ANATOMY and GROSS HUMAN ANATOMY LABORATORY <sup>1</sup>                        |         |
| Select one of the following: (Please see note below regarding selection) |  | 4       |
| CHEM 131 & 131L  | COLLEGE CHEMISTRY I and COLLEGE CHEMISTRY I LABORATORY <sup>2,3</sup>                |         |
| CHEM 140 & 140L  | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY <sup>2,3</sup>                |         |
| PHYS 151 & 151L  | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY                                   | 4       |
| Select one of the following options:                                     |  |         |
| General Health Care (p. 46)  |  |         |
| Pre-Chiropractic Medicine (p. 47)  |  |         |
| Pre-Optometry (p. 47)  |  |         |
| Pre-Pharmacy (p. 48)   |  |         |
| Pre-Veterinary Medicine (p. 48)  |  |         |
| Radiologic Technology (p. 49)  |  |         |

- <sup>1</sup> 1. Pre-chiropractic medicine, pre-optometry, and pre-pharmacy must take BIOL 340 HUMAN ANATOMY/BIOL 340L GROSS HUMAN ANATOMY LABORATORY.  
2. Radiologic Technology must take BIOL 240 ANATOMY AND PHYSIOLOGY I/BIOL 240L ANATOMY AND PHYSIOLOGY I LABORATORY.

3. Pre-veterinary medicine students must take BIOL 339 COMPARATIVE ANATOMY AND PHYSIOLOGY/ BIOL 339L COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY.  
<sup>2</sup> 1. Pre-chiropractic medicine, pre-optometry, pre-pharmacy, and pre-veterinary medicine must take CHEM 131 COLLEGE CHEMISTRY I/ CHEM 131L COLLEGE CHEMISTRY I LABORATORY  
2. Radiography should take CHEM 140 SURVEY OF CHEMISTRY/CHEM 140L SURVEY OF CHEMISTRY LABORATORY

## General Health Care Option

The General Health Care Option of the Health Sciences Degree is available only to students pursuing a career choice for which an option is not described. The selected professional program must meet the standards as listed in the beginning information for the Health Sciences Degree. The elective courses for this option will be selected by the student and the student's advisor at Chadron State College. The student and their advisors must fill out the program of study form. The Program courses selected for this option must total 25-34 course credits. The courses selected will typically be in the science and mathematics areas but can be from other disciplines if it best serves the needs of the student. The completed degree plan must be approved by the student's advisor and the department chair. Both the advisor and the department chair should keep a copy of the plan of study on file.

| Code                                    | Title  | Credits      |
|---|--|--------------|
| Core Requirements                       |  | 12           |
| BIOL 101 & 101L                         | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY   | 4            |
| BIOL 102 & 102L                         | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY | 4            |
| BIOL 499                                | BIOLOGY CAPSTONE                                     | 3            |
| Program Electives (see above paragraph) |  | 25-34        |
| <b>Total Credits</b>                    |  | <b>48-57</b> |

- <sup>5</sup> Prerequisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

## Essential Studies Courses

| Code   | Title                    | Credits |
|--|--------------------------|---------|
| Outcome 1  |                          |         |
| FYI 169  | FIRST-YEAR INQUIRY       |         |
| Select one 6 course credit or two 3 course credits |                          | 6       |
| Outcome 2  |                          |         |
| ENG 135  | RHETORIC AND WRITING     | 3       |
| Outcome 3  |                          |         |
| Select one course                                  |                          | 3       |
| Outcome 4  |                          |         |
| MATH 135   | PRE-CALCULUS MATHEMATICS | 3       |
| Outcome 6 (Covered in the core)                    |                          |         |
| Outcome 7  |                          |         |
| Select one course                                  |                          | 3       |
| Outcome 8  |                          |         |
| Select one course                                  |                          | 3       |
| Outcome 10 or 11                                   |                          |         |

|                      |           |
|----------------------|-----------|
| Select one course    | 3         |
| <b>Total Credits</b> | <b>24</b> |

- Minimum course credits through CSC - 90 credits
- Minimum course credits from professional program – Upper Division/Graduate Course Credits - 30 credits
- Minimum total - 120 credits

## 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.

### Professional Program Prerequisites<sup>6</sup>

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| Core Requirements    |  | 12        |
| BIOL 101 & 101L      | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY     | 4         |
| BIOL 102 & 102L      | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY   | 4         |
| BIOL 332 & 332L      | GENETICS and GENETICS LABORATORY                       | 4         |
| BIOL 342 & 342L      | HUMAN PHYSIOLOGY and HUMAN PHYSIOLOGY LABORATORY       | 4         |
| BIOL 499             | BIOLOGY CAPSTONE                                       | 3         |
| CHEM 333 & 333L      | ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY I LABORATORY | 4         |
| CHEM 335 & 335L      | BIOCHEMISTRY I and BIOCHEMISTRY LABORATORY             | 4         |
| PHYS 152 & 152L      | COLLEGE PHYSICS II and COLLEGE PHYS II LABORATORY      | 4         |
| PSYC 131             | INTRODUCTION TO PSYCHOLOGICAL SCIENCES                 | 3         |
| Electives            |  | 6         |
| <b>Total Credits</b> |  | <b>52</b> |

<sup>6</sup> Prerequisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

Most schools require 6 credit hours of English, ENG 137 is recommended.

Most schools require 3 credit hours of Psychology, PSYC 131 is recommended.

Most schools require 3 credit hours of Statistics, MATH 232 is recommended.

A business minor is recommended to be taken with this degree.

### Essential Studies Courses

| Code   | Title                              | Credits |
|--|------------------------------------|---------|
| Outcome 1  |                                    |         |
| FYI 169  | FIRST-YEAR INQUIRY                 |         |
| Select one 6 course credit or two 3 course credits |                                    | 6       |
| Outcome 2  |                                    |         |
| ENG 135  | RHETORIC AND WRITING               | 3       |
| Outcome 3  |                                    |         |
| CA 125   | FUNDAMENTALS OF ORAL COMMUNICATION | 3       |
| Outcome 4  |                                    |         |

|                                 |                          |           |
|---------------------------------|--------------------------|-----------|
| MATH 135                        | PRE-CALCULUS MATHEMATICS | 3         |
| Outcome 6 (Covered in the core) |                          |           |
| Outcome 7                       |                          |           |
| Select one course               |                          | 3         |
| Outcome 8                       |                          |           |
| Select one course               |                          | 3         |
| Outcome 10 or 11                |                          |           |
| Select one course               |                          | 3         |
| <b>Total Credits</b>            |                          | <b>24</b> |

- Minimum course credits through CSC - 90 credits
- One year of a professional program in Chiropractic Medicine – Upper Division/Graduate Course Credits - 30 credits
- Minimum total - 120 credits

## Pre-Optometry Option

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

### Professional Program Prerequisites<sup>7</sup>

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| Core Requirements    |  | 12        |
| BIOL 101 & 101L      | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY       | 4         |
| BIOL 102 & 102L      | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY     | 4         |
| BIOL 241 & 241L      | MICROBIOLOGY and MICROBIOLOGY LABORATORY                 | 4         |
| BIOL 342 & 342L      | HUMAN PHYSIOLOGY and HUMAN PHYSIOLOGY LABORATORY         | 4         |
| BIOL 499             | BIOLOGY CAPSTONE   | 3         |
| CHEM 333 & 333L      | ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY I LABORATORY   | 4         |
| CHEM 334 & 334L      | ORGANIC CHEMISTRY II and ORGANIC CHEMISTRY II LABORATORY | 4         |
| CHEM 335 & 335L      | BIOCHEMISTRY I and BIOCHEMISTRY LABORATORY               | 4         |
| PHYS 152 & 152L      | COLLEGE PHYSICS II and COLLEGE PHYS II LABORATORY        | 4         |
| PSYC 131             | INTRODUCTION TO PSYCHOLOGICAL SCIENCES                   | 3         |
| PSYC 254             | DEVELOPMENTAL PSYCHOLOGY                                 | 3         |
| <b>Total Credits</b> |  | <b>53</b> |

<sup>7</sup> Prerequisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

Most schools require 6 credit hours of English, ENG 137 is recommended.

Most schools require 3 credit hours of Statistics, MATH 232 is recommended.

A business minor is recommended to be taken with this degree.

## Essential Studies Courses

| Code   | Title                    | Credits   |
|--|--------------------------|-----------|
| Outcome 1  |                          |           |
| FYI 169  | FIRST-YEAR INQUIRY       |           |
| Select one 6 course credit or two 3 course credits |                          | 6         |
| Outcome 2  |                          |           |
| ENG 135  | RHETORIC AND WRITING     | 3         |
| Outcome 3  |                          |           |
| Select one course                                  |                          | 3         |
| Outcome 4  |                          |           |
| MATH 135   | PRE-CALCULUS MATHEMATICS | 3         |
| Outcome 6 (Covered in the core)                    |                          |           |
| Outcome 7  |                          |           |
| Select one course                                  |                          | 3         |
| Outcome 8  |                          |           |
| Select one course                                  |                          | 3         |
| Outcome 10 or 11                                   |                          |           |
| Select one course                                  |                          | 3         |
| <b>Total Credits</b>                               |                          | <b>24</b> |

- Minimum course credits through CSC - 90 credits
- One year of a professional program in Optometry – Upper Division/ Graduate Course Credits - 30 credits
- Minimum total - 120 credits

## Pre-Pharmacy Option

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

### Professional Program Prerequisites<sup>8</sup>

| Code              | Title  | Credits |
|-------------------|--|---------|
| Core Requirements |  | 12      |
| BIOL 101 & 101L   | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY         | 4       |
| BIOL 102 & 102L   | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY       | 4       |
| BIOL 332 & 332L   | GENETICS and GENETICS LABORATORY                           | 4       |
| BIOL 342 & 342L   | HUMAN PHYSIOLOGY and HUMAN PHYSIOLOGY LABORATORY           | 4       |
| BIOL 449          | MOLECULAR BIOLOGY OF THE CELL                              | 3       |
| BIOL 499          | BIOLOGY CAPSTONE   | 3       |
| CHEM 333 & 333L   | ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY I LABORATORY     | 4       |
| CHEM 334 & 334L   | ORGANIC CHEMISTRY II and ORGANIC CHEMISTRY II LABORATORY   | 4       |
| CHEM 335 & 335L   | BIOCHEMISTRY I and BIOCHEMISTRY LABORATORY                 | 4       |
| CHEM 341 & 341L   | QUANTITATIVE ANALYSIS and QUANTITATIVE ANALYSIS LABORATORY | 4       |
| MATH 232          | APPLIED STATISTICS   | 3       |

|                      |   |           |
|----------------------|---|-----------|
| PHYS 152 & 152L      | COLLEGE PHYSICS II and COLLEGE PHYS II LABORATORY | 4         |
| <b>Total Credits</b> |   | <b>57</b> |

<sup>8</sup> Prerequisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school. Most schools require 6 credit hours of English, ENG 137 is recommended. A business minor is recommended to be taken with this degree.

## Essential Studies Courses

| Code   | Title                              | Credits   |
|--|------------------------------------|-----------|
| Outcome 1  |                                    |           |
| FYI 169  | FIRST-YEAR INQUIRY                 |           |
| Select one 6 course credit or two 3 course credits |                                    | 6         |
| Outcome 2  |                                    |           |
| ENG 135  | RHETORIC AND WRITING               | 3         |
| Outcome 3  |                                    |           |
| CA 125   | FUNDAMENTALS OF ORAL COMMUNICATION | 3         |
| Outcome 4  |                                    |           |
| MATH 135   | PRE-CALCULUS MATHEMATICS           | 3         |
| Outcome 6 (Covered in the core)                    |                                    |           |
| Outcome 7  |                                    |           |
| Select one course                                  |                                    | 3         |
| Outcome 8  |                                    |           |
| Select one course                                  |                                    | 3         |
| Outcome 10 or 11                                   |                                    |           |
| Select one course                                  |                                    | 3         |
| <b>Total Credits</b>                               |                                    | <b>24</b> |

- Minimum course credits through CSC - 98 credits
- One year of a professional program in Pharmacy – Upper Division/ Graduate Course Credits - 30 credits
- Minimum total - 128 credits

## Pre-Veterinary Medicine Option

Students interested in earning this degree from Chadron State College must complete the core requirements; the courses listed below and one year of an accredited professional program in veterinary medicine. Students interested in earning this degree should consult with their advisor as soon as possible as prerequisite courses vary widely between professional programs and some graduate programs require a completed bachelor's degree prior to admission (Biology Comprehensive major and an option recommended).

### Professional Program Prerequisites<sup>9</sup>

| Code              | Title  | Credits |
|-------------------|--|---------|
| Core Requirements |  | 12      |
| AGRI 132          | INTRODUCTION TO ANIMAL SCIENCE                       | 3       |
| AGRI 234          | PRINCIPLES OF ANIMAL NUTRITION                       | 3       |
| BIOL 101 & 101L   | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY   | 4       |
| BIOL 102 & 102L   | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY | 4       |



|                      |   |              |
|----------------------|---|--------------|
| BIOL 332<br>& 332L   | GENETICS<br>and GENETICS LABORATORY                         | 4            |
| BIOL 435<br>& 435L   | MAMMALOGY<br>and MAMMALOGY LABORATORY                       | 3            |
| BIOL 499             | BIOLOGY CAPSTONE  | 3            |
| CHEM 333<br>& 333L   | ORGANIC CHEMISTRY I<br>and ORGANIC CHEMISTRY I LABORATORY   | 4            |
| CHEM 334<br>& 334L   | ORGANIC CHEMISTRY II<br>and ORGANIC CHEMISTRY II LABORATORY | 4            |
| CHEM 335<br>& 335L   | BIOCHEMISTRY I<br>and BIOCHEMISTRY LABORATORY               | 4            |
| PHYS 152<br>& 152L   | COLLEGE PHYSICS II<br>and COLLEGE PHYS II LABORATORY        | 4            |
| Electives            |   | 3-4          |
| <b>Total Credits</b> |   | <b>55-56</b> |

<sup>9</sup> Prerequisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

Most schools require 6 credit hours of English, ENG 137 is recommended.

Most schools require 3 credit hours of Statistics, MATH 232 is recommended.

A business minor is recommended to be taken with this degree.

## Essential Studies Courses

| Code   | Title                    | Credits   |
|--|--------------------------|-----------|
| Outcome 1  |                          |           |
| FYI 169  | FIRST-YEAR INQUIRY       |           |
| Select one 6 course credit or two 3 course credits |                          | 6         |
| Outcome 2  |                          |           |
| ENG 135  | RHETORIC AND WRITING     | 3         |
| Outcome 3  |                          |           |
| Select one CA course                               |                          | 3         |
| Outcome 4  |                          |           |
| MATH 135   | PRE-CALCULUS MATHEMATICS | 3         |
| Outcome 6 (Covered in the core)                    |                          |           |
| Outcome 7  |                          |           |
| Select one course                                  |                          | 3         |
| Outcome 8  |                          |           |
| Select one course                                  |                          | 3         |
| Outcome 10 or 11                                   |                          |           |
| Select one course                                  |                          | 3         |
| <b>Total Credits</b>                               |                          | <b>24</b> |

- Minimum course credits through CSC - 92 credits
- One year at an accredited Veterinary School - 30 credits
- Minimum total - 120 credits
- Please check with the school you plan to attend for their admissions requirement.

## Radiologic Technology Option<sup>10</sup>

Students completing this degree option will transfer the remaining credit hours back to Chadron State College from their professional school to complete the required total credit hours for a comprehensive major.

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| Core Requirements    |   | 12        |
| BIOL 101<br>& 101L   | GENERAL BIOLOGY I<br>and GENERAL BIOLOGY I LABORATORY                 | 4         |
| BIOL 132             | MEDICAL TERMINOLOGY   | 2         |
| BIOL 242<br>& 242L   | ANATOMY AND PHYSIOLOGY II<br>and ANATOMY AND PHYSIOLOGY II LABORATORY | 4         |
| BIS 200              | INTRODUCTION TO COMPUTER APPLICATIONS                                 | 3         |
| MATH 232             | APPLIED STATISTICS  | 3         |
| PHYS 152<br>& 152L   | COLLEGE PHYSICS II<br>and COLLEGE PHYS II LABORATORY                  | 4         |
| PSYC 131             | INTRODUCTION TO PSYCHOLOGICAL SCIENCES                                | 3         |
| <b>Total Credits</b> |   | <b>35</b> |

<sup>10</sup> Prerequisite courses vary between professional schools; please consult your advisor to determine which courses must be taken to meet the requirements at your chosen professional school.

Most schools require 6 credit hours of English, ENG 137 is recommended.

BIOL 270: RADIOGRAPHIC ANATOMY is highly recommended.

## Essential Studies Courses

| Code   | Title                    | Credits   |
|--|--------------------------|-----------|
| Outcome 1  |                          |           |
| FYI 169  | FIRST-YEAR INQUIRY       |           |
| Select one 6 course credit or two 3 course credits |                          | 6         |
| Outcome 2  |                          |           |
| ENG 135  | RHETORIC AND WRITING     | 3         |
| Outcome 3  |                          |           |
| Select one CA course                               |                          | 3         |
| Outcome 4  |                          |           |
| MATH 135   | PRE-CALCULUS MATHEMATICS | 3         |
| Outcome 6 (Covered in the core)                    |                          |           |
| Outcome 7  |                          |           |
| Select one humanities course                       |                          | 3         |
| Outcome 8  |                          |           |
| Select one course                                  |                          | 3         |
| Outcome 10 or 11                                   |                          |           |
| Select one course                                  |                          | 3         |
| <b>Total Credits</b>                               |                          | <b>24</b> |

- Minimum course credits through CSC - 69 credits
- Two years at an accredited Radiological Technologist Program - 51 credits
- Minimum total - 120 credits

## Minor in Biology

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

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| BIOL 101 & 101L              | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY     | 4         |
| BIOL 102 & 102L              | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY   | 4         |
| Select one of the following: |  | 4         |
| BIOL 241 & 241L              | MICROBIOLOGY and MICROBIOLOGY LABORATORY               |           |
| BIOL 332 & 332L              | GENETICS and GENETICS LABORATORY                       |           |
| BIOL 336 & 336L              | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY         | 3         |
| CHEM 140 & 140L              | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY | 4         |
| <b>Total Credits</b>         |  | <b>19</b> |

\* CHEM 131/131L and CHEM 132/132L can be substituted for CHEM 140/140L

## Minor in Human Biology

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

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| BIOL 101 & 101L              | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY                 | 4         |
| BIOL 240 & 240L              | ANATOMY AND PHYSIOLOGY I and ANATOMY AND PHYSIOLOGY I LABORATORY   | 4         |
| Select one of the following: |  | 4         |
| BIOL 241 & 241L              | MICROBIOLOGY and MICROBIOLOGY LABORATORY                           |           |
| BIOL 332 & 332L              | GENETICS and GENETICS LABORATORY                                   |           |
| PHYS 151 & 151L              | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY                 |           |
| BIOL 242 & 242L              | ANATOMY AND PHYSIOLOGY II and ANATOMY AND PHYSIOLOGY II LABORATORY | 4         |
| CHEM 140 & 140L              | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY             | 4         |
| <b>Total Credits</b>         |  | <b>20</b> |

\* CHEM 131/131L and CHEM 132/132L can be substituted for CHEM 140/140L

## Minor in Organismal Biology

This minor is recommended for students interested in organismal biology and enrolled in a major other than biology.

| Code            | Title  | Credits |
|-----------------|--|---------|
| BIOL 101 & 101L | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY | 4       |

|                                 |  |           |
|---------------------------------|--|-----------|
| BIOL 102 & 102L                 | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY | 4         |
| BIOL 243 & 243L                 | BOTANY and BOTANY LABORATORY                         | 4         |
| BIOL 244 & 244L                 | ZOOLOGY and ZOOLOGY LABORATORY                       | 4         |
| Upper division Biology elective |  | 4         |
| <b>Total Credits</b>            |  | <b>20</b> |

## Minor in Plant Sciences

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

| Code                         | Title   | Credits   |
|------------------------------|---|-----------|
| BIOL 101 & 101L              | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY    | 4         |
| BIOL 102 & 102L              | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY  | 4         |
| BIOL 243 & 243L              | BOTANY and BOTANY LABORATORY                          | 4         |
| BIOL 336 & 336L              | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY        | 3         |
| Select two of the following: |   | 6         |
| BIOL 347 & 347L              | CRYPTOGAMIC BOTANY and CRYPTOGRAMIC BOTANY LABORATORY |           |
| BIOL 438 & 438L              | TAXONOMY OF PLANTS and TAXONOMY OF PLANTS LABORATORY  |           |
| BIOL 439 & 439L              | PLANT PHYSIOLOGY and PLANT PHYSIOLOGY LABORATORY      |           |
| <b>Total Credits</b>         |   | <b>21</b> |

## Business

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

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

## Vision

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

## Mission

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

theoretical and professional skills, and lifelong learning environment designed for creative problem solving and decision making.

## Student Learning Outcomes of Bachelor of Arts Program

Business graduates will:

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

## Measurement Instruments

The Business department will use a combination of instruments to measure the effectiveness of the learning outcomes. These instruments include but are not limited to: stakeholder surveys, internship data, course and option level evaluations and an exit exam to be completed in the program's capstone course (MGMT 434 STRATEGIC MANAGEMENT).

## Student Learning Outcomes for Bachelor of Science in Education Programs

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

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

## Majors

- The Degree of Bachelor of Arts with a Subject Major in General Business (p. 57)
- The Degree of Bachelor of Arts with a Comprehensive Major in Business Administration (p. 55)
  - Accounting
  - Agribusiness
  - Business Information Systems Option
  - Finance Option
  - Management Option
  - Marketing Option
- The Degree of Bachelor of Science in Education with a Field Endorsement in Business, Marketing, and Information Technology Education (Grades 6-12) (p. 58)
- The Degree of Bachelor of Science in Education with a Middle Level Education in Business, Marketing & Information Technology Education (Grades 5-9) (p. 57)
- Work-based Learning (Grades 9-12) Supplemental Endorsement (p. 59)

## Minors

- Agribusiness – Business (p. 58)
- Business (p. 58)
- Business Information Systems (p. 58)

- Finance (p. 59)
- Marketing (p. 59)

## Accounting

### ACTG 160 TOPICS IN ACCOUNTING1-3 Credits

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in accounting.

### ACTG 241 ACCOUNTING PRINCIPLES I3 Credits

Introduction to financial accounting principles and the communication of financial information to external users. Examines the conceptual foundations, accounting processes, transaction analysis and preparation of the four basic financial statements: income statement, balance sheet, equity statement & statement of cash flows.

### ACTG 242 ACCOUNTING PRINCIPLES II3 Credits

Introduction to managerial accounting principles and the communication of financial information to internal users. Emphasis on budgeting, planning, management decision making, cost behavior, cost control and product cost accumulation.

**Prerequisites:** ACTG 241

### ACTG 332 ACCOUNTING INFORMATION SYSTEMS3 Credits

Focuses on the collecting, processing and communication of financial information in an organization to both internal & external users. An entity's processing cycles are studied.

**Prerequisites:** Sophomore or above status

### ACTG 337 COST MANAGEMENT ACCOUNTING3 Credits

Cost accounting and managerial accounting concepts and procedures are applied to the management decision making process. Topics included are: activity-based costing, job-order costing and process costing.

**Prerequisites:** Sophomore or above status

### ACTG 341 INTERMEDIATE ACCOUNTING I3 Credits

Investigates theoretical accounting concepts relating to financial statement preparation, revenue recognition and an indepth study of accounting concepts related to assets.

**Prerequisites:** ACTG 242 and sophomore or above status

### ACTG 342 INTERMEDIATE ACCOUNTING II3 Credits

Accounting concepts relating to liabilities, stockholder's equity and additional financial reporting issues in the study of corporate accounting.

**Prerequisites:** ACTG 241, ACTG 242 and sophomore or above status

### ACTG 430 PERSONAL INCOME TAX3 Credits

Concepts and principles of federal income tax applied to individual taxpayers. Application of ethical and public policy considerations to taxation. Analytical framework to access how taxes effect economic decisions.

**Essential Studies:** SLO #9

**Prerequisites:** Junior or above status

### ACTG 431 CORPORATE/FIDUCIARY TAX3 Credits

Basic principles of federal income taxation for partnerships, corporations, and fiduciaries. Tax preparation software packages may be included.

**Prerequisites:** ACTG 430 and Junior or above status

### ACTG 433 GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING3 Credits

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.

**Prerequisites:** ACTG 242 and Junior or above status

**ACTG 437 ADVANCED COST MANAGEMENT ACCOUNTING3 Credits**

Advanced cost accounting and managerial accounting concepts and procedures are applied to the management decision making process. Topics included are: capital investment decisions, budgeting, standard costing, and transfer pricing.

**Prerequisites:** Junior or above status

**ACTG 438 AUDITING3 Credits**

Duties and responsibilities of auditors, how to conduct an audit, preparation of audit reports and special auditing problems. Standardized auditing software may be used to conduct a simulated audit for a business entity.

**Prerequisites:** ACTG 241, ACTG 242, ACTG 341 and Junior or above status

**ACTG 443 ADVANCED FINANCIAL ACCOUNTING3 Credits**

Accounting theory and problems dealing with corporate combinations and consolidations and other specialized financial accounting topics.

**Prerequisites:** Junior or above status

**ACTG 460 TOPICS IN ACCOUNTING1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in accounting.

**Prerequisites:** Junior or above status

## Business Administration

**BA 160 TOPICS IN BUSINESS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in business.

**BA 241 QUANTITATIVE METHODS3 Credits**

Business and economic concepts, techniques, models, analysis, and applications with emphasis on quantitative measurements for resource utilization, production, processing, marketing and management.

**Prerequisites:** MATH 138, MATH 142 or MATH 151

**BA 331 BUSINESS COMMUNICATIONS3 Credits**

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.

**Essential Studies:** SLO #3

**Prerequisites:** Completion of Essential Studies Outcome ES2 (Technical Writing recommended) and Sophomore or above status

**BA 336 BUSINESS/ECONOMIC STATISTICS3 Credits**

Statistical analysis of business and economic data used in business and how this analysis aids in making sound business decisions.

**Prerequisites:** Sophomore or above status

**BA 337 BUSINESS LAW3 Credits**

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.

**Prerequisites:** Sophomore or above status

**BA 390 INTERNSHIP IN BUSINESS1-12 Credits**

Provides practical work experience in business.

**Add Consent:** Department Consent

**Notes:** 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.

**BA 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Research in an area of special interest or need.

**Add Consent:** Instructor Consent

**Notes:** The topic and the amount of work required are determined by the number of credit hours.

**Requirements:** Permission of Instructor, Department Chair and Dean are required prior to registration.

**BA 431 PROFESSIONAL ETHICS3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**BA 432 LEGAL ASPECTS OF BUSINESS OWNERSHIP3 Credits**

Business law covering negotiable commercial paper, debtor-creditor relations and risk management, agency and employment, business organizations and real property and estates.

**BA 460 TOPICS IN BUSINESS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in business.

## Business Information Systems

**BIS 160 TOPICS IN BUSINESS INFORMATION SYSTEMS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

**BIS 200 INTRODUCTION TO COMPUTER APPLICATIONS3 Credits**

Development of proper techniques in word processing, organizing and maintaining data in a spreadsheet, creating and managing a database, and producing professional presentations using current software applications. A practical hands-on application of various information processing tools is utilized to develop organizational decision making skills.

**BIS 230 WEB PAGE DEVELOPMENT3 Credits**

Provides a foundation for establishing and maintaining a website; specifically, creating, designing and publishing content on the Web. Current Web programming languages will be covered. Topics include Web development, debugging, version control, and introductory website administration. In addition, dynamically generated websites and database-driven websites are discussed.

**BIS 231 PRINCIPLES OF INFORMATION SYSTEMS3 Credits**

Information systems concepts and principles applied to business uses of technology. Conceptual areas include: fundamentals of information systems, data resource management, telecommunications and networks, E-Business, E-Commerce, decision support systems, information technology management, developing business and information technology solutions, security, and ethical challenges.

**BIS 235 BUSINESS PROGRAMMING3 Credits**

Provides the concepts and skills necessary to design and develop web-based database applications, specifically building a working database application and a client application to serve the information needs of an enterprise.

**Prerequisites:** BIS 230

**BIS 331 DATABASE MANAGEMENT3 Credits**

Introduction to the design and use of databases in meeting business information needs. Topics include database planning, conceptual design, the relational data model, structured query language (SQL), and related concepts of enterprise-wide data management. The concepts are studied in part with projects involving the use of a current database management system.

**BIS 332 DECISION SUPPORT FOR MANAGERS3 Credits**

This course is designed to educate managers in the process of becoming more effective and efficient problem solvers through integrating the use of spreadsheet modeling to support business decisions.

**BIS 337 E-COMMERCE3 Credits**

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.

**Prerequisites:** Sophomore or above status

**BIS 430 PROJECT MANAGEMENT3 Credits**

Introduces the basic principles of modern project management, the project planning processes, and knowledge areas. Attention will be given to how projects contribute to the strategic goals of the organization and the process of selecting projects that best support the strategy of a particular organization.

**BIS 431 SYSTEM ANALYSIS AND DESIGN3 Credits**

An understanding of the phases of the Systems Development Life Cycle (SDLC), including techniques to investigate system problems, determine requirements, identify possible solutions, perform feasibility studies and cost analysis, and oversee the development of a new system or the reengineering of an existing system. An understanding of the human and technical factors in the analysis and design of information systems will also be addressed.

**BIS 460 TOPICS IN BIS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

**BIS 560 TOPICS IN BUSINESS INFORMATION SYSTEMS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

**BIS 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**BIS 632 INFORMATION SYSTEMS FOR MANAGERS3 Credits**

Overview of Information Systems. Stresses role of the manager and the strategic use of technology in business.

## Economics

**ECON 130 SURVEY OF ECONOMICS3 Credits**

Basic microeconomic and macroeconomic theories and concepts. Oriented towards the study of households, firms and governments within regional, domestic, and global markets for goods and services and resources. Course involves variations (absolute and comparative) among regions, states, and nations relative to resource-based economic systems, markets for goods and services, and measures of economics welfare.

**Essential Studies:** SLO #10

**ECON 160 TOPICS IN ECONOMICS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in economics.

**ECON 231 MACROECONOMICS3 Credits**

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 MICROECONOMICS3 Credits**

Components with the economy devoted to households, firms, governments, markets for products and services, and markets for resources, in the context of domestic and global consumers, producers, and governments. Analysis of supply and demand, pricing functions, and income distribution with application to United States economy.

**ECON 334 AGRICULTURAL ECONOMICS AND AGRIBUSINESS3 Credits**

Basic economic principles and theories focusing on product markets, resource markets, production costs, and market structures, conduct and performance of the agricultural sector from retail level, consumers' demands, and resource sectors, production, domestically and globally within agriculture. Governments' roles, functions, and policies which impact domestic and global markets for agriculture.

**Cross-Listed:** AGRI330/ECON334

**Prerequisites:** ECON 232 and Sophomore or above status

**ECON 423 AGRICULTURAL POLICY3 Credits**

An examination of USDA agricultural, fiber, conservational, and rural economic policies studies from domestic and international perspectives. Examination of public policy in the economic framework used to assess and improve competitive structure, operation, and performance of U.S. and international food and agriculture. Farm, international trade, rural economic development, resource/environmental, technology, food marketing and consumer policies are analyzed. Major economics courses will be beneficial.

**Cross-Listed:** AGRI423/ECON423

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**ECON 434 NATIONAL AGRICULTURAL POLICY3 Credits**

The basics of agricultural production and marketing components within the domestic and global markets with the focus on the dynamics of the agricultural sector and economic system. Analysis focuses on traditional and current agricultural and economic policies within the context of positive and normative economics and a capstone course for agribusiness majors.

**Prerequisites:** MATH 138 or MATH 142 and Sophomore or above status

**ECON 460 TOPICS IN ECONOMICS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in economics.

**ECON 467 AGRICULTURAL BUSINESS PLANNING AND MANAGEMENT3 Credits**

Analysis of the economic decisions made by farm/ranch owners, from sales to marketing to financial management to market analysis, feasibility studies and interfacing with governmental and other organizations. At the end of the course, you will have the core elements of a business plan to guide your farming/ranching operations.

**Prerequisites:** ACTG 241, BA 337, ECON 232, ECON 423 or AGRI 423, FIN 242 and Junior or above status

## Finance

**FIN 160 TOPICS IN FINANCE1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in finance.

**FIN 239 PERSONAL FINANCE3 Credits**

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.

**Essential Studies:** SLO #10

**FIN 242 REAL ESTATE PRINCIPLES3 Credits**

Examines practical applications of real estate principles. Includes a study of titles, estates, land descriptions, contracts, legal instruments and concepts, real estate mathematics, financing, agency, appraisal, fair housing, and management of real estate.

**FIN 330 PRINCIPLES OF FINANCE3 Credits**

An introductory course emphasizing the basic financial principles and practices essential to managing a business. Among the topics introduced are the time value of money, working capital management, financial analysis, financial planning, cash-flow analysis, operating and financial leverage, capital budgeting, long-term financing, cost of capital, and capital structure.

**Prerequisites:** ACTG 241 and ECON 232

**FIN 331 FINANCIAL MARKETS AND INSTITUTIONS3 Credits**

Inquiry into, and analysis of, the various financial markets and institutions (including debt, derivatives, equity, insurance, government-based and foreign financial markets) operating in the U.S. and the international economy. Emphasis is placed on providing the analytical tools needed to assess financial institution and market response to microeconomic and macroeconomic factors.

**Prerequisites:** FIN 330, department's mathematics requirement, and Sophomore or above status

**FIN 332 INTERNATIONAL FINANCE AND ECONOMICS3 Credits**

The development, understanding and application of basic economic concepts and theories related to international economics, global trade and variations between and among countries and their cultures. Will deal with different types of economic and political systems, types of markets, exchange rates, trade policies, trade agreements, and the economic and political reasons and impacts of globalization.

**Prerequisites:** Sophomore or above status

**FIN 333 INTERNATIONAL FINANCE AND ECONOMICS3 Credits**

The development, understanding, and application of basic economic concepts and theories related to international economics, global trade, and variations between and among countries and their cultures. Will deal with different types of economic and political systems, types of markets, exchange rates, trade policies, trade agreements, and the economic and political reasons and impacts of globalization.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**FIN 338 REAL ESTATE INVESTMENTS AND INSURANCE3 Credits**

This course combines the basic principles of real estate and insurance. Topics include: how to read an insurance and real estate contract, purchasing and financing a home or business and securing property, liability, automobile, life and health insurance. In addition various career paths are discussed.

**Prerequisites:** Sophomore or above status

**FIN 432 FINANCIAL MANAGEMENT3 Credits**

Examines various structures and operations of financial management of the firm including the sources and methods of financing, capital structure, dividend policy, leasing, mergers and acquisitions, working capital management, effects of taxation on financial decisions and international aspects of finance.

**Prerequisites:** BA 336, FIN 330, and Junior or above status

**FIN 439 INVESTMENT ANALYSIS3 Credits**

Provides an understanding of active portfolio evaluation and management, including the following: the investment environment, portfolio theory, capital asset pricing model and arbitrage pricing theory, fixed-income securities, equities, and derivatives.

**Prerequisites:** FIN 330 and Junior or above status

**FIN 460 TOPICS IN FINANCE1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in finance.

## Management

**MGMT 160 TOPICS IN MANAGEMENT1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in management.

**MGMT 230 PRINCIPLES OF MANAGEMENT3 Credits**

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 BEHAVIOR3 Credits**

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.

**Prerequisites:** MGMT 230 and Junior or above status

**MGMT 340 US HEALTHCARE SYSTEMS: ORGANIZATION AND DELIVERY3 Credits**

This is an introductory course presenting an overview of the U.S. healthcare delivery system. The course will summarize and explain key aspects of the U.S. healthcare delivery system, including the various provider types, funding mechanisms and public policy challenges

**Prerequisites:** Sophomore or above status

**MGMT 430 HUMAN RESOURCE MANAGEMENT3 Credits**

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.

**Prerequisites:** MGMT 230 and Junior or above status

**MGMT 432 PRODUCTION AND OPERATIONS MANAGEMENT3 Credits**

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, BA 336, MGMT 230, and Junior or above status

**MGMT 434 STRATEGIC MANAGEMENT3 Credits**

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.

**Essential Studies:** SLO #12

**Prerequisites:** ACTG 241, ACTG 242, BA 336, BA 337, BIS 231, BIS 332, ECON 231, ECON 232, FIN 330, MGMT 230, MKTG 231, and Senior status

**MGMT 460 TOPICS IN MANAGEMENT1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in management.

**Prerequisites:** Junior or above status

## Marketing

**MKTG 160 TOPICS IN MARKETING/ENTREPRENEURSHIP1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in marketing/entrepreneurship.

**MKTG 231 PRINCIPLES OF MARKETING3 Credits**

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 TECHNIQUES3 Credits**

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.

**Prerequisites:** Sophomore or above status

**MKTG 334 NEW PRODUCT DEVELOPMENT3 Credits**

Explores the creative process and help students identify their own creative problem-solving styles. Students will have to develop innovative solutions centered around new product, service and process development. Students will learn to judge the quality of their creative solutions. Explore opportunities for product/service. Analyze the new product/service development process.

**Prerequisites:** Sophomore or above status

**MKTG 336 PROMOTIONS AND ADVERTISING3 Credits**

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.

**Prerequisites:** Sophomore or above status

**MKTG 337 SOCIAL MEDIA MARKETING3 Credits**

Explores integrating different social media technologies into a marketing plan, creating social media marketing campaigns, and applying appropriate social media tools. Examines ways to use social media technologies to create and improve marketing efforts for businesses.

**Prerequisites:** Sophomore or above status

**MKTG 338 CONSUMER BEHAVIOR3 Credits**

The application of conceptual material to marketing strategies to reach both consumer and industrial buyers. Incorporates the behavioral sciences to marketing through the study of buying patterns, decision-making, motivation, and consumer behavior.

**Prerequisites:** MKTG 231 and Sophomore or above status

**MKTG 435 MARKETING STRATEGY3 Credits**

A capstone course designed to acquaint the student with current marketing problems. Current readings on related marketing materials, in-depth studies of marketing plans and strategies, and/or marketing cases marketing simulation.

**Prerequisites:** MGMT 230, MKTG 231, and Senior status

**MKTG 439 BUSINESS AND MARKETING RESEARCH3 Credits**

Examines marketing research information for management decision making. Provides an understanding of marketing research. Examines alternative research strengths and weaknesses.

**Prerequisites:** BA 336, MKTG 231, and Junior or above status

**MKTG 460 TOPICS IN MARKETING/ENTREPRENEURSHIP1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in marketing/entrepreneurship.

**Prerequisites:** Junior or above status

## The Degree of Bachelor of Arts with a Comprehensive Major in Business Administration

A student must complete the following core requirements in addition to a selected option and the Essential Studies requirements. Transfer students from a two (2) year institution must complete 50% of the required courses for the major from Chadron State College.

**Required:**

All Business Majors must complete one of the following for the Essential Studies requirement (SLO 4) prior to taking advanced (300/400) Finance, Economics and Management courses:

| Code     | Title                      | Credits |
|----------|----------------------------|---------|
| MATH 138 | APPLIED CALCULUS           | 3       |
| MATH 142 | COLLEGE ALGEBRA            | 4       |
| MATH 151 | CALCULUS I (or equivalent) | 5       |

All Business Majors must complete BA 331 BUSINESS COMMUNICATIONS for the Essential Studies requirement (SLO 3).  
 BA 331 BUSINESS COMMUNICATIONS Prerequisite: Completion of SLO 2.

| Code   | Title                   | Credits |
|--------|-------------------------|---------|
| BA 331 | BUSINESS COMMUNICATIONS | 3       |

**Recommended:**

All Business Majors should consider taking ENG 137 TECHNICAL WRITING to fulfill the Essential Studies requirement (SLO 2).

| Code                      | Title                    | Credits |
|---------------------------|--------------------------|---------|
| Essential Studies (p. 14) |                          |         |
| Core Requirements         |                          |         |
| ACTG 241                  | ACCOUNTING PRINCIPLES I  | 3       |
| ACTG 242                  | ACCOUNTING PRINCIPLES II | 3       |

|                                      |                                   |           |
|--------------------------------------|-----------------------------------|-----------|
| BA 336                               | BUSINESS/ECONOMIC STATISTICS      | 3         |
| BA 337                               | BUSINESS LAW                      | 3         |
| BIS 231                              | PRINCIPLES OF INFORMATION SYSTEMS | 3         |
| BIS 332                              | DECISION SUPPORT FOR MANAGERS     | 3         |
| ECON 231                             | MACROECONOMICS                    | 3         |
| ECON 232                             | MICROECONOMICS                    | 3         |
| FIN 330                              | PRINCIPLES OF FINANCE             | 3         |
| MGMT 230                             | PRINCIPLES OF MANAGEMENT          | 3         |
| MGMT 434                             | STRATEGIC MANAGEMENT              | 3         |
| MKTG 231                             | PRINCIPLES OF MARKETING           | 3         |
| Select one of the following options: |                                   | 21        |
| Accounting (p. 56)                   |                                   |           |
| Agribusiness (p. 56)                 |                                   |           |
| Business Information Systems (p. 56) |                                   |           |
| Finance (p. 57)                      |                                   |           |
| Management (p. 57)                   |                                   |           |
| Marketing (p. )                      |                                   |           |
| <b>Total Credits</b>                 |                                   | <b>57</b> |

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

## Accounting Option

| Code                 | Title                          | Credits   |
|----------------------|--------------------------------|-----------|
| ACTG 332             | ACCOUNTING INFORMATION SYSTEMS | 3         |
| ACTG 337             | COST MANAGEMENT ACCOUNTING     | 3         |
| ACTG 341             | INTERMEDIATE ACCOUNTING I      | 3         |
| ACTG 342             | INTERMEDIATE ACCOUNTING II     | 3         |
| ACTG 430             | PERSONAL INCOME TAX            | 3         |
| ACTG 431             | CORPORATE/FIDUCIARY TAX        | 3         |
| ACTG 438             | AUDITING                       | 3         |
| <b>Total Credits</b> |                                | <b>21</b> |

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

## Accounting Option: Certified Public Accountant Path

| Code  | Title                                      | Credits    |
|---|--|------------|
| Essential Studies (p. 14)                     |  | 39         |
| Accounting Option & Core Requirements (p. 56) |  | 57         |
| ACTG 433                                      | GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING | 3          |
| ACTG 437                                      | ADVANCED COST MANAGEMENT ACCOUNTING        | 3          |
| ACTG 443                                      | ADVANCED FINANCIAL ACCOUNTING              | 3          |
| BA 431  | PROFESSIONAL ETHICS                        | 3          |
| BA 432  | LEGAL ASPECTS OF BUSINESS OWNERSHIP        | 3          |
| Electives                                     |  | 39         |
| <b>Total Credits</b>                          |  | <b>150</b> |

## Accounting Option: Certified Public Accountant Path (with MBA)

| Code  | Title                                      | Credits    |
|---|--|------------|
| Essential Studies (p. 14)                     |  | 39         |
| Accounting Option & Core Requirements (p. 56) |  | 57         |
| Select one of the following:                  |  | 3          |
| ACTG 433                                      | GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING |            |
| ACTG 437                                      | ADVANCED COST MANAGEMENT ACCOUNTING        |            |
| ACTG 443                                      | ADVANCED FINANCIAL ACCOUNTING              |            |
| BA 431  | PROFESSIONAL ETHICS                        | 3          |
| BA 432  | LEGAL ASPECTS OF BUSINESS OWNERSHIP        | 3          |
| Undergraduate Electives                       |  | 15         |
| MBA Required Courses                          |  | 27         |
| Select two MBA Professional Courses:          |  | 6          |
| ACTG 533                                      | GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING |            |
| ACTG 537                                      | ADVANCED COST MANAGEMENT ACCOUNTING        |            |
| ACTG 543                                      | ADVANCED FINANCIAL ACCOUNTING              |            |
| MBA Professional Course (elective)            |  | 3          |
| <b>Total Credits</b>                          |  | <b>156</b> |

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

## Agribusiness Option

| Code                    | Title   | Credits   |
|-------------------------|---|-----------|
| BA 432                  | LEGAL ASPECTS OF BUSINESS OWNERSHIP                 | 3         |
| ECON 334/<br>AGRI 330   | AGRICULTURAL ECONOMICS AND AGRIBUSINESS             | 3         |
| ECON/AGRI 423           | AGRICULTURAL POLICY                                 | 3         |
| FIN 242                 | REAL ESTATE PRINCIPLES                              | 3         |
| FIN 439                 | INVESTMENT ANALYSIS                                 | 3         |
| MKTG 337<br>or AGRI 221 | SOCIAL MEDIA MARKETING<br>FARM AND RANCH MANAGEMENT | 3         |
| ECON 467                | AGRICULTURAL BUSINESS PLANNING AND MANAGEMENT       | 3         |
| <b>Total Credits</b>    |   | <b>21</b> |

Recommended Electives: In order to enhance employment opportunities, the following electives are recommended: AGRI 234 PRINCIPLES OF ANIMAL NUTRITION, AGRI 242 PRINCIPLES OF RANGELAND AND FORAGE MANAGEMENT, AGRI 245 PRINCIPLES OF SOIL SCIENCE, AGRI 333 RUMINANT PRODUCTION and FIN 432 FINANCIAL MANAGEMENT.

## Business Information Systems Option

| Code    | Title                                 | Credits |
|---------|---------------------------------------|---------|
| BIS 200 | INTRODUCTION TO COMPUTER APPLICATIONS | 3       |
| BIS 230 | WEB PAGE DEVELOPMENT                  | 3       |
| BIS 235 | BUSINESS PROGRAMMING                  | 3       |
| BIS 331 | DATABASE MANAGEMENT                   | 3       |
| BIS 337 | E-COMMERCE                            | 3       |



|                      |                            |           |
|----------------------|----------------------------|-----------|
| BIS 430              | PROJECT MANAGEMENT         | 3         |
| BIS 431              | SYSTEM ANALYSIS AND DESIGN | 3         |
| <b>Total Credits</b> |                            | <b>21</b> |

### Finance Option

| Code                 | Title                               | Credits   |
|----------------------|-------------------------------------|-----------|
| BA 241               | QUANTITATIVE METHODS                | 3         |
| or ACTG 337          | COST MANAGEMENT ACCOUNTING          |           |
| FIN 239              | PERSONAL FINANCE                    | 3         |
| FIN 242              | REAL ESTATE PRINCIPLES              | 3         |
| FIN 331              | FINANCIAL MARKETS AND INSTITUTIONS  | 3         |
| FIN 333              | INTERNATIONAL FINANCE AND ECONOMICS | 3         |
| FIN 432              | FINANCIAL MANAGEMENT                | 3         |
| FIN 439              | INVESTMENT ANALYSIS                 | 3         |
| <b>Total Credits</b> |                                     | <b>21</b> |

### Management Option

| Code                                 | Title  | Credits   |
|--------------------------------------|--|-----------|
| BA 241                               | QUANTITATIVE METHODS                             | 3         |
| BA 432                               | LEGAL ASPECTS OF BUSINESS OWNERSHIP              | 3         |
| MGMT 330                             | ORGANIZATIONAL THEORY AND BEHAVIOR               | 3         |
| MGMT 430                             | HUMAN RESOURCE MANAGEMENT                        | 3         |
| MGMT 432                             | PRODUCTION AND OPERATIONS MANAGEMENT             | 3         |
| Select two of the following courses: |  | 6         |
| ACTG 337                             | COST MANAGEMENT ACCOUNTING                       |           |
| FIN 432                              | FINANCIAL MANAGEMENT                             |           |
| MGMT 340                             | US HEALTHCARE SYSTEMS: ORGANIZATION AND DELIVERY |           |
| <b>Total Credits</b>                 |  | <b>21</b> |

### Marketing Option

| Code                 | Title                           | Credits   |
|----------------------|---------------------------------|-----------|
| MKTG 331             | SALES TECHNIQUES                | 3         |
| MKTG 334             | NEW PRODUCT DEVELOPMENT         | 3         |
| MKTG 336             | PROMOTIONS AND ADVERTISING      | 3         |
| MKTG 337             | SOCIAL MEDIA MARKETING          | 3         |
| MKTG 338             | CONSUMER BEHAVIOR               | 3         |
| MKTG 435             | MARKETING STRATEGY              | 3         |
| MKTG 439             | BUSINESS AND MARKETING RESEARCH | 3         |
| <b>Total Credits</b> |                                 | <b>21</b> |

## The Degree of Bachelor of Arts with a Subject Major in General Business

A student must complete the following program in addition to the Essential Studies Program requirements and a second 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.

**Required:**

All Business majors must complete one of the following for the Essential Studies requirement (SLO 4) prior to taking advanced (300/400 level) Finance, Economics and Management courses:

| Code                         | Title                      | Credits |
|------------------------------|----------------------------|---------|
| Select one of the following: |                            |         |
| MATH 138                     | APPLIED CALCULUS           | 3-5     |
| MATH 142                     | COLLEGE ALGEBRA            |         |
| MATH 151                     | CALCULUS I (or equivalent) |         |

All Business majors must complete BA 331 BUSINESS COMMUNICATIONS for the Essential Studies requirement (SLO 3). BA 331 BUSINESS COMMUNICATIONS Prerequisite: Completion of SLO 2.

| Code   | Title                   | Credits |
|--------|-------------------------|---------|
| BA 331 | BUSINESS COMMUNICATIONS | 3       |

**Recommended:**

All Business Major should consider taking ENG 137 TECHNICAL WRITING to fulfill the Essential Studies requirements (SLO 2).

| Code                      | Title                             | Credits   |
|---------------------------|-----------------------------------|-----------|
| Essential Studies (p. 14) |                                   |           |
| ACTG 241                  | ACCOUNTING PRINCIPLES I           | 3         |
| ACTG 242                  | ACCOUNTING PRINCIPLES II          | 3         |
| BA 336                    | BUSINESS/ECONOMIC STATISTICS      | 3         |
| BA 337                    | BUSINESS LAW                      | 3         |
| BIS 231                   | PRINCIPLES OF INFORMATION SYSTEMS | 3         |
| BIS 332                   | DECISION SUPPORT FOR MANAGERS     | 3         |
| ECON 231                  | MACROECONOMICS                    | 3         |
| ECON 232                  | MICROECONOMICS                    | 3         |
| FIN 330                   | PRINCIPLES OF FINANCE             | 3         |
| MGMT 230                  | PRINCIPLES OF MANAGEMENT          | 3         |
| MGMT 434                  | STRATEGIC MANAGEMENT              | 3         |
| MKTG 231                  | PRINCIPLES OF MARKETING           | 3         |
| <b>Total Credits</b>      |                                   | <b>36</b> |

## The Degree of Bachelor of Science in Education in Business, Marketing & Information Technology Education (Grades 5-9)

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

| Code   | Title                                 | Credits |
|--|---------------------------------------|---------|
| Essential Studies (p. 14)  |                                       |         |
| Professional Education and Middle Level Requirements ( <a href="http://catalog.csc.edu/middle-level-education/">http://catalog.csc.edu/middle-level-education/</a> ) |                                       |         |
| ACTG 241   | ACCOUNTING PRINCIPLES I               | 3       |
| BA 331   | BUSINESS COMMUNICATIONS               | 3       |
| BA 337   | BUSINESS LAW                          | 3       |
| BIS 200  | INTRODUCTION TO COMPUTER APPLICATIONS | 3       |

|                      |                          |           |
|----------------------|--------------------------|-----------|
| ECON 130             | SURVEY OF ECONOMICS      | 3         |
| FIN 239              | PERSONAL FINANCE         | 3         |
| MGMT 230             | PRINCIPLES OF MANAGEMENT | 3         |
| MKTG 231             | PRINCIPLES OF MARKETING  | 3         |
| <b>Total Credits</b> |                          | <b>24</b> |

## The Degree of Bachelor of Science in Education with a Field Endorsement in Business, Marketing, and Information Technology Education (Grades 6-12)

A student must complete the following program in addition to the Essential Studies Program and Professional Education requirements. Transfer students from a two (2) year institution must complete 50% of the required courses for the major from Chadron State College.

### Required:

All Business majors must complete one of the following for the Essential Studies requirement (SLO 4) prior to taking advanced (300/400 level) Finance, Economics and Management courses:

| Code     | Title                      | Credits |
|----------|----------------------------|---------|
| MATH 138 | APPLIED CALCULUS           | 3       |
| MATH 142 | COLLEGE ALGEBRA            | 4       |
| MATH 151 | CALCULUS I (or equivalent) | 5       |

All Business Majors must complete BA 331 BUSINESS COMMUNICATIONS for the Essential Studies requirement (SLO 3).  
BA 331 BUSINESS COMMUNICATIONS Prerequisite: Completion of SLO 2.

| Code   | Title                   | Credits |
|--------|-------------------------|---------|
| BA 331 | BUSINESS COMMUNICATIONS | 3       |

### Recommended:

All Business Majors should consider taking ENG 137 TECHNICAL WRITING to fulfill the Essential Studies requirement (SLO 2).

| Code  | Title   | Credits |
|---|---|---------|
| Essential Studies (p. 14)   |   |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |   |         |
| ACTG 241  | ACCOUNTING PRINCIPLES I                                     | 3       |
| ACTG 242  | ACCOUNTING PRINCIPLES II                                    | 3       |
| BA 336  | BUSINESS/ECONOMIC STATISTICS                                | 3       |
| BA 337  | BUSINESS LAW  | 3       |
| BIS 200   | INTRODUCTION TO COMPUTER APPLICATIONS                       | 3       |
| BIS 230   | WEB PAGE DEVELOPMENT  | 3       |
| BIS 231   | PRINCIPLES OF INFORMATION SYSTEMS                           | 3       |
| BIS 332   | DECISION SUPPORT FOR MANAGERS                               | 3       |
| CTE 434   | PRINCIPLES AND PHILOSOPHY OF CAREER AND TECHNICAL EDUCATION | 3       |
| CTE 438   | COORDINATION TECHNIQUES/WORK BASED LEARNING                 | 3       |
| ECON 231  | MACROECONOMICS  | 3       |
| ECON 232  | MICROECONOMICS  | 3       |

|                      |                            |           |
|----------------------|----------------------------|-----------|
| FIN 330              | PRINCIPLES OF FINANCE      | 3         |
| MGMT 230             | PRINCIPLES OF MANAGEMENT   | 3         |
| MGMT 434             | STRATEGIC MANAGEMENT       | 3         |
| MKTG 231             | PRINCIPLES OF MARKETING    | 3         |
| MKTG 336             | PROMOTIONS AND ADVERTISING | 3         |
| MKTG 338             | CONSUMER BEHAVIOR          | 3         |
| <b>Total Credits</b> |                            | <b>54</b> |

This Career and Technical Education Endorsement requires work experience. The endorsement is available only to those who have either

1. 1000 verified hours of paid work experience; or
2. at least 300 hours of supervised work experience under the direction of the college recommending the endorsement (BA 390 INTERNSHIP IN BUSINESS).

See Supplemental Endorsement for Work-based Learning page (p. 59).

## Agribusiness – Business Minor

| Code                  | Title   | Credits   |
|-----------------------|---|-----------|
| ECON 334/<br>AGRI 330 | AGRICULTURAL ECONOMICS AND AGRIBUSINESS       | 3         |
| or AGRI 221           | FARM AND RANCH MANAGEMENT                     |           |
| ACTG 241              | ACCOUNTING PRINCIPLES I                       | 3         |
| ECON 232              | MICROECONOMICS                                | 3         |
| FIN 242               | REAL ESTATE PRINCIPLES                        | 3         |
| BA 337                | BUSINESS LAW                                  | 3         |
| AGRI/ECON 423         | AGRICULTURAL POLICY                           | 3         |
| ECON 467              | AGRICULTURAL BUSINESS PLANNING AND MANAGEMENT | 3         |
| <b>Total Credits</b>  |   | <b>21</b> |

## Business Information Systems Minor

| Code                 | Title                             | Credits   |
|----------------------|-----------------------------------|-----------|
| BIS 230              | WEB PAGE DEVELOPMENT              | 3         |
| BIS 231              | PRINCIPLES OF INFORMATION SYSTEMS | 3         |
| BIS 235              | BUSINESS PROGRAMMING              | 3         |
| BIS 331              | DATABASE MANAGEMENT               | 3         |
| BIS 332              | DECISION SUPPORT FOR MANAGERS     | 3         |
| BIS 337              | E-COMMERCE                        | 3         |
| BIS 431              | SYSTEM ANALYSIS AND DESIGN        | 3         |
| <b>Total Credits</b> |                                   | <b>21</b> |

## Business Minor

| Code     | Title                         | Credits |
|----------|-------------------------------|---------|
| ACTG 241 | ACCOUNTING PRINCIPLES I       | 3       |
| ACTG 242 | ACCOUNTING PRINCIPLES II      | 3       |
| BA 337   | BUSINESS LAW                  | 3       |
| BIS 332  | DECISION SUPPORT FOR MANAGERS | 3       |
| ECON 232 | MICROECONOMICS                | 3       |
| MGMT 230 | PRINCIPLES OF MANAGEMENT      | 3       |

|                      |                         |           |
|----------------------|-------------------------|-----------|
| MKTG 231             | PRINCIPLES OF MARKETING | 3         |
| <b>Total Credits</b> |                         | <b>21</b> |

## Finance Minor

| Code                 | Title                              | Credits   |
|----------------------|------------------------------------|-----------|
| ACTG 241             | ACCOUNTING PRINCIPLES I            | 3         |
| BA 336               | BUSINESS/ECONOMIC STATISTICS       | 3         |
| ECON 130             | SURVEY OF ECONOMICS                | 3         |
| FIN 239              | PERSONAL FINANCE                   | 3         |
| FIN 330              | PRINCIPLES OF FINANCE              | 3         |
| FIN 331              | FINANCIAL MARKETS AND INSTITUTIONS | 3         |
| FIN 432              | FINANCIAL MANAGEMENT               | 3         |
| <b>Total Credits</b> |                                    | <b>21</b> |

Recommended Courses: In order to enhance employment and graduate school opportunities, the following electives are recommended:

| Code    | Title                  | Credits |
|---------|------------------------|---------|
| BA 241  | QUANTITATIVE METHODS   | 3       |
| FIN 242 | REAL ESTATE PRINCIPLES | 3       |
| FIN 439 | INVESTMENT ANALYSIS    | 3       |

## Marketing Minor

| Code                 | Title                           | Credits   |
|----------------------|---------------------------------|-----------|
| BA 336               | BUSINESS/ECONOMIC STATISTICS    | 3         |
| MKTG 231             | PRINCIPLES OF MARKETING         | 3         |
| MKTG 331             | SALES TECHNIQUES                | 3         |
| or MKTG 334          | NEW PRODUCT DEVELOPMENT         |           |
| MKTG 336             | PROMOTIONS AND ADVERTISING      | 3         |
| MKTG 337             | SOCIAL MEDIA MARKETING          | 3         |
| MKTG 338             | CONSUMER BEHAVIOR               | 3         |
| MKTG 439             | BUSINESS AND MARKETING RESEARCH | 3         |
| <b>Total Credits</b> |                                 | <b>21</b> |

## Supplemental Endorsement to Teach Work-based Learning (Grades 9-12)

Students must complete the following program in addition to either having, or earning concurrently, a secondary endorsement in another field or subject.

| Code                         | Title  | Credits  |
|------------------------------|--|----------|
| CTE 438/538                  | COORDINATION TECHNIQUES/WORK BASED LEARNING  | 3        |
| Select one of the following: |  | 3        |
| CTE 390                      | INTERNSHIP IN CTE (300 hours of supervised work experience or 1000 verified hours of volunteer, internship, or paid work experience) |          |
| CTE 690                      | INTERNSHIP (300 hours of supervised work experience or 1000 verified hours of volunteer, internship, or paid work experience)        |          |
| <b>Total Credits</b>         |  | <b>6</b> |

## Career and Technical Education

### Mission

The mission of the Career and Technical Education at Chadron State College is to provide learning experiences related to the history, theory, and significance of work-based learning, so that future professionals can prepare students to be college and career ready.

### Learning Outcomes

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

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

#### CTE 390 INTERNSHIP IN CTE1-12 Credits

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.

**Add Consent:** Department Consent

#### CTE 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits

The problem selected and the amount of work in its solution determine the number of hours credit.

**Add Consent:** Department Consent

**Notes:** May be repeated for up to six hours credit.

#### CTE 431 INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CTE3 Credits

Designed to help high school career and technical education teachers, special education teachers, and others determine the work based and school based needs of learners identified as special populations. The course includes transition to work curriculum and program plans.

**Prerequisites:** Junior or above status

#### CTE 434 PRINCIPLES AND PHILOSOPHY OF CAREER AND TECHNICAL EDUCATION3 Credits

The principles, philosophy, and history of career and technical education are presented in this course.

**Prerequisites:** Junior or above status

#### CTE 435 ADULT EDUCATION3 Credits

Study of the adult learner, adult learning theory, and the adult programming.

**Prerequisites:** Junior or above status

#### CTE 437 OCCUPATIONAL ANALYSIS3 Credits

Study of the standard occupational analysis systems and practice in applying these systems to occupations and activities for determining content in curriculum development.

**Prerequisites:** Junior or above status

**CTE 438 COORDINATION TECHNIQUES/WORK BASED LEARNING3 Credits**

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.

**Prerequisites:** Junior or above status

**CTE 440 TOPICS IN CAREER AND TECHNOLOGY EDUCATION1-6 Credits**

Contemporary topics within career and technical education.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**CTE 441 IMPROVEMENT OF INSTRUCTION3 Credits**

Study of curriculum development, instructional models, integration of academic and occupational programs, and utilization of technologies in instruction.

**Prerequisites:** Junior or above status

**CTE 452 PROGRAM DEVELOPMENT, IMPLEMENTATION AND ASSESSMENT3 Credits**

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.

**Prerequisites:** Junior or above status

## Communication Arts

### Mission

The Communication Arts comprehensive curriculum prepares students for professional careers or graduate school in one of the four major areas of student interest:

- Interpersonal Communication
- Journalism
- Media Production
- Public Relations

### Student Learning Outcomes

1. Employ Communication theories, perspectives, principles and concepts
  2. Create and critically analyze message content appropriate to audience, purpose and context
  3. Engage in Communication inquiry research
  4. Apply ethical Communication principles and practices
  5. Recognize and apply Communication practices to diversity and globalization
- The Degree of Bachelor of Arts with a Comprehensive Major in Communication Arts (p. 62)
    - Interpersonal Communication Option
    - Journalism Option
    - Media Production Option
    - Public Relations Option
  - Interpersonal Communication (p. 63)
  - Journalism (p. 63)

- Media Production (p. 64)
- Public Relations (p. 64)

**CA 125 FUNDAMENTALS OF ORAL COMMUNICATION3 Credits**

Develops understanding and skills necessary for effective oral communication. Activities will include public speaking, group discussion, interviewing, and interpersonal communication.

**Essential Studies:** SLO #3

**CA 130 INTERPERSONAL COMMUNICATION3 Credits**

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.

**Essential Studies:** SLO #3

**CA 133 MEDIA WRITING3 Credits**

A study of various techniques of media writings intended to familiarize students on why and how media utilize those techniques. Writing techniques for Journalism, radio, television, and online, will be addressed.

**CA 144 ORAL INTERPRETATION & PERFORMANCE STUDIES3 Credits**

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.

**Essential Studies:** SLO #5

**CA 155 PUBLIC SPEAKING3 Credits**

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.

**Essential Studies:** SLO #3

**CA 160 TOPICS IN COMMUNICATION1-3 Credits**

Special Topics in Communications.

**Notes:** May be repeated with a change in emphasis.

**CA 215 AUDIO PRODUCTION3 Credits**

Theory and practice of audio production. To include artistic concepts as well as practical knowledge of scripting, recording, and editing various kinds of audio projects. Students will complete and present audio projects to the class and/or campus community via broadcast on KJZC Radio.

**Essential Studies:** SLO #5

**CA 225 COMMUNICATING IN GROUPS AND TEAMS3 Credits**

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

**Essential Studies:** SLO #3

**CA 231 INTRO TO DIGITAL PUBLISHING3 Credits**

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.

**CA 234 PHOTOJOURNALISM3 Credits**

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.

**CA 238 INTRO TO MASS MEDIA3 Credits**

A study of print and non-print media and their application to public communications. Field trips may be required.

**CA 240 NONVERBAL COMMUNICATION3 Credits**

This course will explore the human communication process without words. Students will focus on the research of various dimensions of nonverbal communication including nonintimate interactions, intimate, professional settings and mediated settings. Attention will be paid to individual and culture differences in nonverbal communication.

**CA 245 VIDEO PRODUCTION3 Credits**

Theory and practice of video production. To include artistic concepts as well as practical knowledge of scripting, recording, and editing various kinds of videos. Students will complete and present video projects to the class.

**Essential Studies:** SLO #5

**CA 250 INTRODUCTION TO PUBLIC RELATIONS:PRINCIPLES, PROCESSES & PRACTICES3 Credits**

An overview of the history, theory, ethics and practices in the American public relations profession. It provides a critical thinking framework for understanding organizational practice with diverse settings, media relations, image and identity management, target audiences and public opinion.

**CA 260 INTRO TO COMMUNICATION THEORY3 Credits**

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

**CA 330 CONFLICT RESOLUTION AND MEDIATION3 Credits**

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.

**Essential Studies:** SLO #3

**Prerequisites:** Junior or above status

**CA 333 NEWS REPORTING3 Credits**

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

**Prerequisites:** Sophomore or above status

**CA 334 THEORIES/PRACTICE OF PERSUASION3 Credits**

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.

**CA 335 MEDIA ADVERTISING3 Credits**

An overview of the fundamentals of copywriting for advertising in mass communication covering print and electronic media. The practice of advertising audience direction, appeals, strategy and structure will be included.

**Prerequisites:** Sophomore or above status

**CA 336 DIGITAL CITIZENSHIP3 Credits**

Students in this course will explore various effects of networked communication technologies on democratic practices, learn to define digital citizenship, and assess the success and/or failure of various developments in advancing the role of the citizen.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**CA 339 EVENT PLANNING AND LEADERSHIP3 Credits**

This course will provide an overture to event planning and leadership. Moreover, this course will explore event-planning aspects such as: marketing, leadership, financial administration, and effective research evaluation.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**CA 345 BROADCAST PRODUCTION3 Credits**

Practice of camera operation, on-air commentary, and production of event coverage. In addition to small group projects, all students in the course will collaborate to prepare and execute audio and/or video broadcasts of multiple campus events, via KJZC Radio and/or online video streaming platforms.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status, or instructor permission

**CA 346 INTERCULTURAL COMMUNICATION3 Credits**

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.

**Essential Studies:** SLO #10

**CA 350 APPLIED PUBLIC RELATIONS: CONCEPTS AND PRACTICES-INTERMEDIATE STUDIES IN PR3 Credits**

Theory and practice of producing public relations and publicity tools for the traditional and digital media. It emphasizes problem solving and critical thinking for professional practice in the development and use of campaigns for personal, institutional, and organizational objectives and activities. It includes writing, design and production techniques.

**Prerequisites:** Sophomore or above status

**CA 351 ORGANIZATIONAL COMMUNICATION3 Credits**

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.

**Prerequisites:** Sophomore or above status

**CA 353 HEALTH COMMUNICATION3 Credits**

Communication theory, research, and applications in health care, health promotion, and wellness industries. Variables influencing communication between and within health care providers and consumers are examined.

**CA 390 INTERNSHIP IN COMMUNICATION1-12 Credits**

Provides practical experience in a field related to Communication Arts.

**Add Consent:** Department Consent

**Notes:** 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.

**Requirements:** Dean of the School of Liberal Arts, Department Chairperson, and the student's major advisor must approve program prior to semester of internship.

**CA 391 INTERNSHIP IN JOURNALISM1-12 Credits**

Provides practical work experience program on the staff of a mass media outlet.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** Open to upper division students with previous course credit in journalism; selection of interns based upon availability of work positions and the qualifications of the applicants.

**Requirements:** Dean of the School of Liberal Arts, Department Chairperson, and the student's major advisor must approve program prior to semester of internship; application must be submitted to the Director of Internships at least 30 days prior to the semester of internship.

**CA 400 INDEPENDENT STUDY/RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of Instructor, Dean and Academic Vice President is required.

**CA 420 RELATIONAL AND FAMILY COMMUNICATION3 Credits**

Advanced interpersonal course to explore current interpersonal research in modern family relationship situations. In-depth exploration of intimate communication, parent-child communication, child-child communication, and extended family communication in the western tradition and interculturality.

**Prerequisites:** Junior or above status

**CA 425 RISK AND CRISIS COMMUNICATION3 Credits**

This course will discuss risk and crisis communication from a public relations and journalism lens. Moreover, this course will discuss what defines a crisis, how to avoid a crisis, what to do when a crisis occurs and how to take preventive future steps.

**Prerequisites:** Junior or above status

**CA 430 COMMUNICATION RESEARCH METHODS3 Credits**

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.

**Prerequisites:** Junior or above status

**CA 431A MEDIA PRACTICUM-NEWSPAPER1-3 Credits**

Production work on the student newspaper, THE EAGLE. The student arranges for weekly lab work. May be repeated with a change of emphasis up to a maximum of nine (9) credit hours.

**Prerequisites:** CA 333 or instructor permission and Junior or above status

**CA 431B MEDIA PRACTICUM-AUDIO VIDEO1-3 Credits**

Production work on the radio at Chadron State College. The student arranges for weekly lab work. May be repeated with a change of emphasis up to a maximum of nine (9) credit hours.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**CA 431C MEDIA PRACTICUM-THE BIG EVENT3 Credits**

Production work on the student-led service learning project The Big Event. The student arranges for weekly lab work. May be repeated with a change of emphasis up to a maximum of nine (9) credit hours.

**Prerequisites:** Junior or above status

**CA 434 EDITING AND DESIGN3 Credits**

Principles of editing and designing publications with emphasis on newspapers, especially THE EAGLE.

**Prerequisites:** CA 333 or instructor permission and Junior or above status

**Notes:** May be repeated with a change of emphasis up to a maximum of 9 credit hours.

**CA 435 ADVANCED TOPICS IN COMMUNICATION1-3 Credits**

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

**CA 436 SEMINAR IN COMMUNICATION3 Credits**

Designed to meet the specific needs of a group of students. May be repeated with a different topic. Admission by permission of Communication Arts faculty.

**CA 440 GENDER AND COMMUNICATION3 Credits**

Explores gender as a communication variable in settings ranging from interpersonal relationships, organizational settings, intercultural settings, to public or mass communication.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**CA 442 GLOBALIZATION, CULTURE AND MEDIA3 Credits**

Explores how globalization of culture and communication was shaped and reshaped as results of economic, technological, political and cultural concerns of various global players. Although all the major theoretical approaches of globalization of communication will be explored, focus on global communication as an emerging, hybrid and contested global field and global media will be emphasized.

**Essential Studies:** SLO #10

**CA 443 MEDIA LAW3 Credits**

An overview of legal issues related to journalism and other media outlets. Special emphasis on broadcast and print media, current interpretations of law, copyright and first amendment issues.

**Prerequisites:** Junior or above status

**CA 445 ADVANCED VIDEO PRODUCTION3 Credits**

Course designed towards completion of advanced video projects and presentation to the class and/or campus community. Students will be expected to demonstrate advanced ability in camera use, lighting, video editing, graphics, and effects.

**Prerequisites:** CA 245 and Junior or above status, or instructor permission

**CA 450 COMMUNICATION CAMPAIGNS3 Credits**

This course will discuss communication campaigns that influence us every day. Public relations, advertising, health and political campaigns will be examined throughout the semester. In addition, current campaign goals and objectives will be analyzed and critiqued. Lastly student will plan, organize, and implement an actual communication campaign.

**Prerequisites:** Junior or above status

## The Degree of Bachelor of Arts with a Comprehensive Major in Communication Arts

A student must complete the Core requirements and one of the Options listed in addition to the Essential Studies requirements.

## Core Requirements

| Code                                 | Title                           | Credits      |
|--------------------------------------|---------------------------------|--------------|
| Essential Studies (p. 14)            |                                 |              |
| Core Requirements                    |                                 |              |
| CA 133                               | MEDIA WRITING                   | 3            |
| CA 155                               | PUBLIC SPEAKING                 | 3            |
| CA 234                               | PHOTOJOURNALISM                 | 3            |
| CA 238                               | INTRO TO MASS MEDIA             | 3            |
| CA 260                               | INTRO TO COMMUNICATION THEORY   | 3            |
| CA 334                               | THEORIES/PRACTICE OF PERSUASION | 3            |
| CA 346                               | INTERCULTURAL COMMUNICATION     | 3            |
| or CA 440                            | GENDER AND COMMUNICATION        |              |
| CA 351                               | ORGANIZATIONAL COMMUNICATION    | 3            |
| CA 390                               | INTERNSHIP IN COMMUNICATION     | 3            |
| or CA 391                            | INTERNSHIP IN JOURNALISM        |              |
| CA 430                               | COMMUNICATION RESEARCH METHODS  | 3            |
| Select one of the following options: |                                 | 24-27        |
| Interpersonal Communication (p. 63)  |                                 |              |
| Journalism (p. 63)                   |                                 |              |
| Media Production (p. 63)             |                                 |              |
| Public Relations (p. 63)             |                                 |              |
| <b>Total Credits</b>                 |                                 | <b>54-57</b> |

## Interpersonal Communication Option

| Code                 | Title                               | Credits   |
|----------------------|-------------------------------------|-----------|
| Core Requirements    |                                     |           |
| CA 130               | INTERPERSONAL COMMUNICATION         | 3         |
| CA 225               | COMMUNICATING IN GROUPS AND TEAMS   | 3         |
| CA 240               | NONVERBAL COMMUNICATION             | 3         |
| CA 330               | CONFLICT RESOLUTION AND MEDIATION   | 3         |
| CA 353               | HEALTH COMMUNICATION                | 3         |
| CA 420               | RELATIONAL AND FAMILY COMMUNICATION | 3         |
| CA 440               | GENDER AND COMMUNICATION            | 3         |
| CA 450               | COMMUNICATION CAMPAIGNS             | 3         |
| <b>Total Credits</b> |                                     | <b>54</b> |

## Journalism Option

| Code                 | Title                         | Credits   |
|----------------------|-------------------------------|-----------|
| Core Requirements    |                               |           |
| CA 231               | INTRO TO DIGITAL PUBLISHING   | 3         |
| CA 333               | NEWS REPORTING                | 3         |
| CA 335               | MEDIA ADVERTISING             | 3         |
| CA 336               | DIGITAL CITIZENSHIP           | 3         |
| CA 425               | RISK AND CRISIS COMMUNICATION | 3         |
| CA 431A              | MEDIA PRACTICUM-NEWSPAPER     | 6         |
| CA 434               | EDITING AND DESIGN            | 3         |
| CA 443               | MEDIA LAW                     | 3         |
| <b>Total Credits</b> |                               | <b>57</b> |

## Media Production Option

| Code                 | Title                       | Credits   |
|----------------------|-----------------------------|-----------|
| Core Requirements    |                             |           |
| CA 215               | AUDIO PRODUCTION            | 3         |
| CA 231               | INTRO TO DIGITAL PUBLISHING | 3         |
| CA 245               | VIDEO PRODUCTION            | 3         |
| CA 335               | MEDIA ADVERTISING           | 3         |
| CA 336               | DIGITAL CITIZENSHIP         | 3         |
| CA 345               | BROADCAST PRODUCTION        | 3         |
| CA 431B              | MEDIA PRACTICUM-AUDIO VIDEO | 3         |
| CA 443               | MEDIA LAW                   | 3         |
| CA 445               | ADVANCED VIDEO PRODUCTION   | 3         |
| <b>Total Credits</b> |                             | <b>57</b> |

## Public Relations Option

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| Core Requirements    |   |           |
| CA 231               | INTRO TO DIGITAL PUBLISHING   | 3         |
| CA 250               | INTRODUCTION TO PUBLIC RELATIONS: PRINCIPLES, PROCESSES & PRACTICES         | 3         |
| CA 333               | NEWS REPORTING  | 3         |
| CA 335               | MEDIA ADVERTISING   | 3         |
| CA 350               | APPLIED PUBLIC RELATIONS: CONCEPTS AND PRACTICES-INTERMEDIATE STUDIES IN PR | 3         |
| CA 425               | RISK AND CRISIS COMMUNICATION   | 3         |
| CA 434               | EDITING AND DESIGN  | 3         |
| CA 443               | MEDIA LAW   | 3         |
| CA 450               | COMMUNICATION CAMPAIGNS   | 3         |
| <b>Total Credits</b> |   | <b>57</b> |

## Interpersonal Communication Minor

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

| Code                 | Title                               | Credits   |
|----------------------|-------------------------------------|-----------|
| CA 130               | INTERPERSONAL COMMUNICATION         | 3         |
| CA 225               | COMMUNICATING IN GROUPS AND TEAMS   | 3         |
| or CA 240            | NONVERBAL COMMUNICATION             |           |
| CA 260               | INTRO TO COMMUNICATION THEORY       | 3         |
| CA 330               | CONFLICT RESOLUTION AND MEDIATION   | 3         |
| CA 353               | HEALTH COMMUNICATION                | 3         |
| CA 420               | RELATIONAL AND FAMILY COMMUNICATION | 3         |
| CA 440               | GENDER AND COMMUNICATION            | 3         |
| <b>Total Credits</b> |                                     | <b>21</b> |

## Journalism Minor

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

| Code                 | Title                       | Credits   |
|----------------------|-----------------------------|-----------|
| CA 231               | INTRO TO DIGITAL PUBLISHING | 3         |
| CA 234               | PHOTOJOURNALISM             | 3         |
| CA 238               | INTRO TO MASS MEDIA         | 3         |
| CA 333               | NEWS REPORTING              | 3         |
| CA 431A              | MEDIA PRACTICUM-NEWSPAPER   | 3         |
| CA 434               | EDITING AND DESIGN          | 3         |
| CA 443               | MEDIA LAW                   | 3         |
| <b>Total Credits</b> |                             | <b>21</b> |

## Media Production Minor

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

| Code                 | Title                       | Credits   |
|----------------------|-----------------------------|-----------|
| CA 133               | MEDIA WRITING               | 3         |
| CA 215               | AUDIO PRODUCTION            | 3         |
| CA 238               | INTRO TO MASS MEDIA         | 3         |
| CA 245               | VIDEO PRODUCTION            | 3         |
| CA 345               | BROADCAST PRODUCTION        | 3         |
| CA 431B              | MEDIA PRACTICUM-AUDIO VIDEO | 3         |
| CA 445               | ADVANCED VIDEO PRODUCTION   | 3         |
| <b>Total Credits</b> |                             | <b>21</b> |

## Public Relations Minor

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

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| CA 133               | MEDIA WRITING   | 3         |
| CA 250               | INTRODUCTION TO PUBLIC RELATIONS: PRINCIPLES, PROCESSES & PRACTICES         | 3         |
| CA 350               | APPLIED PUBLIC RELATIONS: CONCEPTS AND PRACTICES-INTERMEDIATE STUDIES IN PR | 3         |
| CA 425               | RISK AND CRISIS COMMUNICATION   | 3         |
| CA 430               | COMMUNICATION RESEARCH METHODS  | 3         |
| CA 434               | EDITING AND DESIGN  | 3         |
| CA 450               | COMMUNICATION CAMPAIGNS   | 3         |
| <b>Total Credits</b> |   | <b>21</b> |

## Education

### Mission

The mission of the Chadron State College Education Preparation program, founded on educating Visionary Leaders, is to prepare teacher candidates to use current pedagogical methods that effectively impact student learning in the candidate's respective content area/s of study. Candidates will gain applicable knowledge and skills in the area of assessment, curriculum, guidance, diversity education, classroom management, professional issues, special education, English language learners, psychology, literacy 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. The Education Preparation Program at Chadron State College is dedicated to the development of visionary leaders. The program recognizes the institutional responsibility of developing leadership that promotes collaborative engagement and advocacy to influence policy development to serve all constituents in our profession. The faculty within the Education Program 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.

Students within the Education Program 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/engage in the learning environment and process knowledge through methods appropriate to their individual learning needs. Our model is based, to a great extent, on the constructivist theory of learning.

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 individual learning preferences are encouraged and responded to through appropriate pedagogical practices and open, respectful communication among all participants. Learning is believed to be inherently joyful and efforts toward developing and maintaining this end are supported. The demands of the content of the subject are not diminished in the teaching effort which will produce the greatest positive change.

## The Visionary Leader Model

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

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

- Communication
- Thinking Skills
- Methodology
- Leadership
- Assessment
- Inclusive Learning Environment
- Professionalism



These seven theme areas constitute the instructional themes for the professional preparation programs at Chadron State College. All seven learning themes are interwoven throughout the professional preparation program curricula.

## Student Learning Outcomes

### CSC Education Program Intended Outcomes

The intended program outcomes are as follows:

1. CSC/InTASC Standard #1: Learner Development. The teacher candidate understands how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and designs and implements developmentally appropriate and challenging learning experiences. (Methodology)
2. CSC/InTASC Standard #2: Learning Differences. The teacher candidate uses understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards. (Inclusive Learning Environments)
3. CSC/InTASC Standard #3: Learning Environments. The teacher candidate works with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation. (Communication)
4. CSC/InTASC Standard #4: Content Knowledge. The teacher candidate understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and creates learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content. (Specialty Studies)
5. CSC/InTASC Standard #5: Application of Content. The teacher candidate understands how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues. (Thinking Skills)
6. CSC/InTASC Standard #6: Assessment. The teacher candidate understands and uses multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making. (Assessment)
7. CSC/InTASC Standard #7: Planning for Instruction. The teacher candidate plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, technology, and pedagogy, as well as knowledge of learners and the community context. (Methodology)
8. CSC/InTASC Standard #8: Instructional Strategies. The teacher candidate understands and uses a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways. (Methodology)
9. CSC/InTASC Standard #9: Professional Learning and Ethical Practice. The teacher candidate engages in ongoing professional learning and uses evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (learners, families, other professionals, and the community), and adapts practice to meet the needs of each learner. (Professionalism)
10. CSC/InTASC Standard #10: Leadership and Collaboration. The teacher candidate seeks appropriate leadership roles and opportunities to take responsibility for student learning, to

collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth, and to advance the profession. (Leadership)

11. CSC Standard #11: Impact on Student Learning and Development. The teacher candidate works to positively impact the learning and development for all students. (Professionalism)
12. CSC Standard #12: Professional Dispositions. The teacher candidate demonstrates passion, self-awareness, initiative and enthusiasm; and demonstrates skills in interpersonal relationship, reflective response to feedback, and displays evidence of appropriate social awareness; and practices good judgment, flexibility, problem-solving skill, professional communication and organization; and maintains a professional demeanor and appearance, and displays dependability, punctuality and perseverance. (Communication, Professionalism)

CCSSO's Interstate Teacher Assessment and Support Consortium (InTASC). (2013). *InTASC model core teaching standards and learning progressions for teachers 1.0*. Washington, DC: Council of Chief State School Officers.

## 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, secondary, or graduate level education programs are subject to any program rule changes that may occur while a student is enrolled.

For information about the Chadron State College Education Preparation Program, please follow the link to the CSC Teacher Education Handbook at <http://www.csc.edu/documents/education/handbook.pdf>.

## 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 contact the CSC Teacher Certification Officer for assistance in completing an Evaluation Worksheet for an Added Endorsement program. 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 CSC transcript record. The student may then submit a Nebraska Application for Teacher Certification to the Nebraska Department of Education, in order for the State Department of Education to add this new endorsement to the student's teaching/administrative certificate. The CSC Certification Office is unable to process requests to added endorsements/programs to a teaching certificate until this procedure has been completed.

- Bachelor of Science – Education – Secondary (Grades PK-12/6-12/7-12) (p. 71)
- Bachelor of Science – Education – Subject Endorsement in Middle Level Education (Grades 5-9) (p. 72)
- Bachelor of Science – Education – Field Endorsement in Elementary Education (Grades K-8) (p. 69)
- Supplemental Endorsement in Early Childhood Education (Age 3 through Grade 3) (p. 71)

## Education

### EDUC 100 INFORMATION LITERACY1 Credit

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 biographical manner.

**Cross-Listed:** EDUC100/LMS100

### EDUC 121 THE ACADEMIC LIFE3 Credits

The Academic Life is designed to assist students in acclimating to the expectations of college academics and culture. The overall objective of the course is to provide a classroom environment that promotes student success in academics and life. A broad variety of topics relating to student engagement and achievement are covered.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

### EDUC 131 INTRODUCTION TO TEACHING3 Credits

This introductory course surveys the work of a teacher, the public school system, and the qualities necessary for success as a teacher in the education profession. Fundamental to all future course work in the Education Program. A ten (10) clock hour school-based classroom observation experience is a required part of this course.

**Requirements:** Field experience requires a background check.

### EDUC 224 TECHNOLOGY RESOURCES FOR LEARNING3 Credits

This course focuses on the integration of computers and other new technologies into the academic curricula. This course will focus on making decisions about content, instructional strategies, and the use of technology in innovative ways to supplement, enhance, and extend the curriculum. Participants will examine software tools, curriculum software, Internet resources, and computer-based projects as examples of technology that can be effectively integrated into the curriculum.

**Prerequisites:** EDUC 131

### EDUC 231 PLAY/ART/MUSIC FOR EARLY CHILDHOOD3 Credits

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.

**Prerequisites:** FCS 139

### EDUC 232 SCIENCE, MATH, AND SOCIAL SCIENCE FOR EARLY CHILDHOOD3 Credits

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.

**Prerequisites:** FCS 139

### EDUC 233 LITERATURE AND LANGUAGE ARTS PROGRAM FOR EARLY CHILDHOOD3 Credits

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.

**Prerequisites:** FCS 139

### EDUC 270 SPECIAL TOPICS1-3 Credits

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 271 HUMAN RELATIONS TRAINING1 Credit

Develop awareness and understanding of the values, lifestyles, contributions and history of a pluralistic society; develop the ability to recognize and deal with dehumanizing biases and how they may be reflected in instructional material; develop ability to translate knowledge of human relations into attitudes, skills and techniques which result in favorable experiences for students; develop respect for human dignity and individual rights and develop the ability to relate effectively to other individuals and groups other than one's own.

### EDUC 300 OBSERVATION AND PARTICIPATION1-3 Credits

A field-based experience which includes school site classroom observation and participation in the candidate's major subject area(s), with emphasis on active involvement in authentic school settings.

**Prerequisites:** Successfully pass the Praxis I: Core Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230 with no grade below a "C", and Sophomore or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Requirements:** Minimum of one credit hour required for all Elementary, ECE Inclusive, P-6, Secondary, Middle Level, and PK-12 majors (but students may register for up to three credits, which would include additional observation hours). Maintain the specified GPA of 2.75 as required by the Nebraska Department of Education for program entry. Pass a required background check.

### EDUC 301 ELEMENTARY/MIDDLE LEVEL EDUCATION QUALIFYING SEMINAR0 Credits

A required class session seminar designed to disseminate and explain paperwork required for admission into the professional year to all Elementary Education and majors in the Middle Level and PK-12 Secondary Levels. Teacher Education candidates will be required to attend one (1) class session in the fall semester of their junior year.

**Prerequisites:** Sophomore or above status

### EDUC 321 TEACHING ELEMENTARY/MIDDLE SCHOOL MATHEMATICS3 Credits

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.

**Prerequisites:** EDUC 131 and PSYC 231 or PSYC 334 and Sophomore or above status

### EDUC 322 TEACHING ELEMENTARY/MIDDLE SCHOOL LANGUAGE ARTS3 Credits

Survey of the teaching methods in the language arts for the elementary and middle school students. All major aspects of communication will be considered.

**Prerequisites:** EDUC 131, PSYC 231, and Sophomore or above status

### EDUC 323 TEACHING ELEMENTARY/MIDDLE SCHOOL SOCIAL STUDIES3 Credits

An in-depth study of Social Studies curriculum standards, including an analysis of what is to be taught at each grade level within a given topic of study, planning and building units of study that meet or exceed the standards, in addition to planning for daily instruction.

**Prerequisites:** EDUC 131, PSYC 231, and Sophomore or above status

**EDUC 325 LANGUAGE, CULTURE AND LITERACY3 Credits**

An introduction to the foundations of psycholinguistic and sociolinguistic theories, particularly as related to oral and written language acquisition and development. Focus on issues relating to language and literacy educational practices in linguistically diverse classrooms. Topics will include the relationship among communication and culture, bilingual and bi-literacy development, the role of language in the transmission of socio-cultural knowledge, home-school literacy partnerships, and classroom strategies that lead to successful language and literacy development. Emphasis will be placed on developing the skills and dispositions to become effective teachers in culturally and linguistically diverse classrooms.

**Prerequisites:** EDUC 131, PSYC 231 and sophomore or above status

**EDUC 329 ASSESSMENT FOUNDATIONS2 Credits**

Assessment foundations addresses the theoretical and practical aspects of assessing student learning. Teachers must be able to select/create and effectively use assessments for a variety of purposes.

**Prerequisites:** EDUC 131, EDUC 224, PSYC 231, and Sophomore or above status

**EDUC 360 CROSS CULTURAL STUDIES IN EDUCATION3-6 Credits**

This course is designed to provide individuals interested in educational systems in other societies the opportunity to study and observe these systems through training experiences in the form of workshops, fellowships, and/or seminars.

**Notes:** Course may be repeated with a different focus.

**Requirements:** The course requires travel expenses as associated with the specific activity.

**EDUC 390 APPLIED INTERNSHIP IN EDUCATION1-3 Credits**

Provides practical experience in an agency related to education.

**Add Consent:** Department Consent

**Notes:** 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 stude

**EDUC 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Dean's permission required.

**EDUC 411 S READING/WRITING IN CONTENT AREA1 Credit**

Invites 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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the professional year, Semester #1.

**EDUC 417E TEACHING READING DIAGNOSIS1 Credit**

Diagnostic awareness and corrective skill. Formal and informal tools used in assessing reading progress, identifying reading 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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the Professional Year.

**EDUC 422 TEACHING ELEMENTARY/MS SCIENCE/HEALTH3 Credits**

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:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken in conjunction with the professional year, Semester #1.

**EDUC 423 TEACHING PRIMARY READING AND WRITING3 Credits**

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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the Professional Year, Semester #1.

**EDUC 424 TEACHING INTERMEDIATE READING AND WRITING3 Credits**

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 and study skills, laboratory projects and demonstrations of instructional techniques, reading and writing principles, program development, and instructional and organizational procedures.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the Professional Year, Semester #1.

**EDUC 431A SPECIAL METHODS/ART3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431C SPECIAL METHODS/HPER3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Notes:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431F SPECIAL METHODS/MATH3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431G SPECIAL METHODS/SCIENCE3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431I SPECIAL METHODS/BUSINESS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431J SPECIAL METHODS/FCS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431L SPECIAL METHODS/SOCIAL SCIENCES3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431M INTERDISCIPLINARY SPECIAL METHODS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431Q SPECIAL METHODS/SECONDARY MUSIC3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**EDUC 433 THE MIDDLE SCHOOL3 Credits**

Philosophy, implementation, and improvement of the middle school (grade 5-9) 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. Includes a field experience which requires a background check.

**Prerequisites:** Junior or above status

**EDUC 440 TOPICS IN EDUCATION1-3 Credits**

Designed to allow students to study some aspect of Education not offered in the regular class. May be repeated with a change in emphasis for a maximum of 6 credit hours.

**EDUC 441 CURRICULUM AND STANDARDS1 Credit**

The course topics include curriculum development (scope and sequencing of instruction; implementation of standards into the curriculum; the relationship between scope/sequence-unit-lesson planning and assessment; strategies for connecting units of instruction throughout the curriculum; co-curricular and extracurricular planning.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the professional year.

**EDUC 442 CLASSROOM MANAGEMENT2 Credits**

Classroom management as it relates to efficiently operated classrooms. Theory and practice precede practical implications and teaching strategies in the following areas: managing student behavior, engaging and motivating students, time management, classroom routines, stress, safety, and working with parents and para-professionals.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the professional year.

**EDUC 443 HUMAN REL/MULTI-CULTURAL1 Credit**

Considers the 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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course is taken as part of the professional year.

**EDUC 460 COMPARATIVE EDUCATION1-3 Credits**

This course explores the study of education from a comparative perspective, focusing on major educational systems of the world with a special emphasis on Western Europe. An international field trip is required.

**Essential Studies:** SLO #10

**Add Consent:** Instructor Consent

**EDUC 475 REGIONAL ELEMENTARY/MIDDLE SCHOOL PROFESSIONAL STUDIES SEQUENCE12 Credits**

This integrated course prepares students for the clinical internship and includes the following topics: a) classroom management; b) curriculum and counseling; c) human relations/multicultural education; d) assessment; e) reading and writing diagnosis; f) science and health; g) primary and intermediate reading and writing; and h) special education practices and strategies.

**EDUC 480A FIELD EXPERIENCE1-8 Credits**

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 field experience is designed to give the candidate the opportunity to gain insight into teaching skills in the prospective endorsement, and to develop professional integrity at the appropriate grade level to meet state certification requirements.

**Prerequisites:** Junior or above status and department consent

**Add Consent:** Department Consent

**Notes:** The total number of field experience credit hours will be determined by transcript review.

**Requirements:** Requires a criminal background check and the 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; one-half of the supervision fee will be assessed.

**EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING5-9 Credits**

Education 490 Teacher Internship - Student Teaching is designed to give the teacher candidate the opportunity to gain insight into teaching skills and to develop professional integrity using current pedagogical methods that impact student learning in the candidate's respective grade level and content area(s) of study. Each teacher internship experience will encompass the appropriate grade level and/or endorsement to meet certification requirements and must be completed concurrently with EDUC 495. Students will accomplish course outcomes/Education SLO by participating in a minimum of a 14 week teaching internship field experience. During this experience, teacher interns will be placed in different classroom settings within a PK-12 school setting, working in collaboration with the Cooperating Classroom Teachers, PK-12 students and a CSC Supervisor.

Co-requisite: Students must be enrolled in EDUC 495 Education Capstone at the same time. Prerequisites: A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook for current GPA) and must have successfully completed the Professional Semester Block with no grade below a C.

**Prerequisites:** EDUC 411A, EDUC 412S, EDUC 414S, EDUC 415S, EDUC 418S, EDUC 431, and Junior or above status

**Co-requisites:** EDUC 495

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**EDUC 495 EDUCATION CAPSTONE3 Credits**

Education Capstone is designed to give the teacher candidate the opportunity to gain insight into teaching skills and to develop professional integrity using current pedagogical methods that impact student learning in the candidate's respective content area of study. Each Education Capstone experience will encompass the appropriate grade level and endorsement(s) to meet certification requirements.

Students will experience course work to meet Education Learning Outcomes and ESO by participating in a minimum of a 16-week teaching internship field experience. During this experience, teacher interns will be placed in different classroom settings within a P-12 school setting working in collaboration with the Cooperating Classroom teachers, P-12 students and a CSC Supervisor. During this course Teacher Interns will complete the following course activities: Teacher Work Sample Project, Lesson Planning Activities, Teacher Intern Guidebook assignments, and will maintain a Teacher Internship Reflective Journal. Imbedded into these assignments are specific activity assignments that are meant to meet the following Essential Studies Program Student Learning Outcomes: ESO 12.

**Essential Studies:** SLO #12

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Requirements:** A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook for current GPA) and have successfully completed the Professional Semester Block with no grade below a C.

## Bachelor of Science – Education – Field Endorsement in Elementary Education (Grades K-8)

### Elementary Level Professional Education Program

This program covers special instructional methods in science, health, reading, mathematics, social studies, language arts, student and program assessment (tests and measurements), curriculum, guidance, English language learners, multicultural and human relations, classroom management, special education, and other pertinent professional topics and issues.

Elementary majors will intern, via our School-based Partnership Program for an entire academic year, at a primary level (1-3) and an intermediate level (4-6). Candidates who are seeking another endorsement in addition to Elementary Education (i.e., Early Childhood Educ.), will intern in both endorsement programs/levels.

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

### Professional Education Courses

The following courses are prerequisites to the Professional Year (Senior Year). A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Education course grade may be below a "C":

| Code                           | Title  | Credits      |
|--------------------------------|--|--------------|
| Essential Studies (p. 14)      |  |              |
| Professional Education Courses |  |              |
| EDUC 131                       | INTRODUCTION TO TEACHING                             | 3            |
| EDUC 224                       | TECHNOLOGY RESOURCES FOR LEARNING                    | 3            |
| EDUC 300                       | OBSERVATION AND PARTICIPATION <sup>1</sup>           | 1-3          |
| EDUC 301                       | ELEMENTARY/MIDDLE LEVEL EDUCATION QUALIFYING SEMINAR | 0            |
| EDUC 325                       | LANGUAGE, CULTURE AND LITERACY                       | 3            |
| EDUC 329                       | ASSESSMENT FOUNDATIONS                               | 2            |
| PSYC 231                       | EDUCATIONAL PSYCHOLOGY                               | 3            |
| PSYC 254                       | DEVELOPMENTAL PSYCHOLOGY                             | 3            |
| or FCS 139                     | HUMAN DEVELOPMENT                                    |              |
| SPED 230                       | INTRODUCTION TO THE EXCEPTIONAL LEARNER              | 3            |
| SPED 334                       | DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS    | 3            |
| <b>Total Credits</b>           |  | <b>24-26</b> |

<sup>1</sup> A minimum of one credit is required but candidate may enroll in three credits.

<sup>2</sup> Must be taken concurrently with EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING.

## Elementary Education Endorsement Courses

| Code  | Title  | Credits   |
|---|--|-----------|
| ART 250   | ART FOR THE ELEMENTARY/MIDDLE SCHOOL TEACHER                         | 3         |
| EDUC 321  | TEACHING ELEMENTARY/MIDDLE SCHOOL MATHEMATICS                        | 3         |
| EDUC 322  | TEACHING ELEMENTARY/MIDDLE SCHOOL LANGUAGE ARTS                      | 3         |
| EDUC 323  | TEACHING ELEMENTARY/MIDDLE SCHOOL SOCIAL STUDIES                     | 3         |
| ENG 235   | CHILDREN'S LITERATURE  | 3         |
| ENG 320   | GRAMMAR AND LINGUISTICS  | 3         |
| HPER 339  | THEORY OF PHYSICAL EDUCATION K-8                                     | 3         |
| MATH 235  | MATHEMATICS FOR PROSPECTIVE ELEMENTARY AND MIDDLE SCHOOL TEACHERS II | 3         |
| MATH 238  | MATHEMATICS FOR THE ELEMENTARY TEACHER II <sup>1</sup>               | 3         |
| MUS 233   | MUSIC FOR THE CLASSROOM TEACHER                                      | 3         |
| 6 credits of Social Science Coursework (GEOG, HIST, or PS). 3 credits of US History and 3 credits of Geography are Recommended <sup>2</sup>   |  | 6         |
| 6 credits of Natural Science Coursework (BIOL, CHEM, GEOS, PHYS). BIOL 136 & BIOL 136L Biological Sciences and GEOS 129 Physical Science for the Elem/Middle Grades are Recommended. <sup>2</sup> |  | 6         |
| <b>Total Credits</b>  |  | <b>42</b> |

<sup>1</sup> May be taken before or during the Professional Year.

<sup>2</sup> May be taken after the professional year.

**Admission to the Education Preparation Program must be completed before the end of the students academic Junior year of study.**

Because of program requirements for Nebraska teacher certification, there are several courses that can/may also be used to fulfill a student's Essential Studies program requirements. Students are allowed to use up to thirteen (13) credit hours of the same course work to fulfill requirements for both their Education and Essential Studies program requirements.

NOTE: EDUC 495: Education Capstone is required to be taken concurrently with EDUC 490 Teacher Internship – Student Teaching, and will account for three (3) of the thirteen (13) credit hours described above.

## Professional Year (Senior Year)

Comprised of two internship semesters; one academic year. The following courses can be taken only as part of the Professional Year. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year course grade may be below a "C". Refer to the Professional Year Application Requirements.

NOTE: Individual circumstances may prevent a student from participating in the following Year-long Teacher Internship experience. To discuss potential alternative internship options, please see the CSC Director of Field Experiences located in the Education Program Offices.

## School-based Partnership Teacher Internship- Fall Semester courses

| Code                 | Title  | Credits      |
|----------------------|--|--------------|
| EDUC 423             | TEACHING PRIMARY READING AND WRITING (Taken summer prior to internship year) | 3            |
| EDUC 417E            | TEACHING READING DIAGNOSIS   | 1            |
| EDUC 422             | TEACHING ELEMENTARY/MS SCIENCE/HEALTH  | 3            |
| EDUC 441             | CURRICULUM AND STANDARDS   | 1            |
| EDUC 442             | CLASSROOM MANAGEMENT   | 2            |
| EDUC 443             | HUMAN REL/MULTI-CULTURAL   | 1            |
| SPED 444             | SPECIAL EDUCATION PRACTICES AND STRATEGIES                                   | 1            |
| EDUC 480A            | FIELD EXPERIENCE   | 1-8          |
| <b>Total Credits</b> |  | <b>13-20</b> |

## School-based Partnership Teacher Internship- Spring Semester courses

| Code                 | Title                                     | Credits      |
|----------------------|---|--------------|
| EDUC 424             | TEACHING INTERMEDIATE READING AND WRITING | 3            |
| EDUC 490             | TEACHER INTERNSHIP - STUDENT TEACHING     | 5-9          |
| EDUC 495             | EDUCATION CAPSTONE                        | 3            |
| <b>Total Credits</b> |   | <b>11-15</b> |

EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA requirements) and no Professional Year Course grade may be below a "C".

**NOTE:** The Praxis II Content Exam (as required by the Nebraska Department of Education), must be taken as a requisite for graduation for all Elementary Education majors.

## 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 contact the CSC Teacher Certification Officer and work with him/her to complete an Evaluation Worksheet for an Added Endorsement program. The student must then notify the Teacher Certification Officer when the program coursework has been completed and request that the subsequent endorsement be posted (or added) to the student's official transcript record. The student must then submit a new Nebraska Application for Teacher Certification to the Nebraska Department of Education, in order for the State Department of Education to add this new endorsement to the student's existing teaching certificate. The CSC Certification Office is unable to process requests to add endorsements/programs to a teaching certificate until this procedure has been completed.

## Supplemental Endorsement in Early Childhood Education (Age 3 through Grade 3)

(Requires the Field Endorsement in Elementary Education)

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

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| EDUC 231             | PLAY/ART/MUSIC FOR EARLY CHILDHOOD  | 3         |
| FCS 139              | HUMAN DEVELOPMENT   | 3         |
| FCS 239              | PARTNERS IN EDUCATION   | 3         |
| FCS 321A             | CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION                             | 2         |
| FCS 337              | GUIDANCE TECHNIQUES IN HUMAN RELATIONS  | 3         |
| FCS 338              | PRENATAL AND INFANT PRACTICUM <sup>1</sup>                                      | 3         |
| FCS 423              | PROGRAM DEVELOPMENT AND MANAGEMENT  | 3         |
| FCS 448 & 448L       | EARLY CHILDHOOD PRACTICUM and EARLY CHILDHOOD PRACTICUM LABORATORY <sup>2</sup> | 4         |
| <b>Total Credits</b> |   | <b>24</b> |

<sup>1</sup> Candidate must complete 45 clock-hours working with infant and toddler children. <sup>2</sup> Candidate must complete 125 clock-hours working with children age 3 through grade 3. May be completed concurrently with student teaching internship.

## Bachelor of Science – Education – Secondary (Grades PK-12/6-12/7-12)

Students must complete the following program in addition to both their Essential Studies program course work, and with either one field endorsement or one subject endorsement program.

### Professional Education Courses

The following courses are prerequisites to the Professional Year. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Education Course grade may be below a "C":

| Code   | Title   | Credits      |
|--|---|--------------|
| Essential Studies (p. 14)                        |   |              |
| Professional Education Courses                   |   |              |
| EDUC 131   | INTRODUCTION TO TEACHING                          | 3            |
| EDUC 224   | TECHNOLOGY RESOURCES FOR LEARNING                 | 3            |
| EDUC 300   | OBSERVATION AND PARTICIPATION                     | 1-3          |
| EDUC 329   | ASSESSMENT FOUNDATIONS                            | 2            |
| PSYC 231   | EDUCATIONAL PSYCHOLOGY                            | 3            |
| SPED 230   | INTRODUCTION TO THE EXCEPTIONAL LEARNER           | 3            |
| SPED 334   | DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS | 3            |
| Select at least one subject or field endorsement |   |              |
| Professional Year (Two Semesters)                |   |              |
| "Block"  |   | 8-9          |
| EDUC 490   | TEACHER INTERNSHIP - STUDENT TEACHING             | 5-9          |
| EDUC 495   | EDUCATION CAPSTONE <sup>1</sup>                   | 3            |
| <b>Total Credits</b>                             |   | <b>34-41</b> |

<sup>1</sup> Must be taken concurrently with EDUC 490.

NOTE: Admission to the Education Preparation Program must be completed before the end of the students Junior academic year of study.

## Secondary Level Professional Year (Two Semesters)

Comprised of the "Block" Professional Semester and the Teacher Internship semester. The following courses can be taken only as part of the Professional Year. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Education Course grade may be below a "C"; refer to Application for Professional Year requirements.

### Semester #1 – "Block"

| Code      | Title                           | Credits |
|-----------|---------------------------------|---------|
| EDUC 411S | READING/WRITING IN CONTENT AREA | 1       |
| EDUC 441  | CURRICULUM AND STANDARDS        | 1       |
| EDUC 442  | CLASSROOM MANAGEMENT            | 2       |
| EDUC 443  | HUMAN REL/MULTI-CULTURAL        | 1       |

|   |  |            |
|---|--|------------|
| SPED 444  | SPECIAL EDUCATION PRACTICES AND STRATEGIES   | 1          |
| Select the appropriate methods course(s) for your content area: |  | 2-3        |
| EDUC 431A   | SPECIAL METHODS/ART                          |            |
| EDUC 431C   | SPECIAL METHODS/HPER                         |            |
| EDUC 431F   | SPECIAL METHODS/MATH                         |            |
| EDUC 431G   | SPECIAL METHODS/SCIENCE                      |            |
| EDUC 431I   | SPECIAL METHODS/BUSINESS                     |            |
| EDUC 431J   | SPECIAL METHODS/FCS                          |            |
| EDUC 431L   | SPECIAL METHODS/SOCIAL SCIENCES              |            |
| EDUC 431M   | INTERDISCIPLINARY SPECIAL METHODS            |            |
| ENG 461   | SPECIALIZED METHODS IN ENGLISH LANGUAGE ARTS |            |
| MUS 431A  | ELEMENTARY MUSIC METHODS                     |            |
| MUS 431C  | SECONDARY CHORALE METHODS                    |            |
| MUS 431D  | SECONDARY INSTRUMENTAL METHODS               |            |
| <b>Total Credits</b>  |  | <b>8-9</b> |

Students pursuing two endorsement areas must complete instructional methods (i.e., EDUC 431 Specialized Instruction) in both subject areas. One course should be taken prior to the Professional Year. The second specialized instruction course must be taken the first semester of the Professional Year (Block), if offered. A student seeking an added endorsement or in the CSC Post Baccalaureate teacher preparation program can take EDUC 431M INTERDISCIPLINARY SPECIAL METHODS.

All students must maintain at least the required minimum GPA as determined by the Nebraska Department of Education in their Professional Semester course work. (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA)

Course requirements for secondary level endorsement programs in the following subjects or fields are listed in each departmental section of this catalog. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA).

### Field Endorsement Programs

- Art (p. 35)
- Business, Marketing and Information Technology (p. 58)
- English Language Arts (p. 80)
- Family and Consumer Sciences (p. 89)
- Health and Physical Education (p. 97)
- Mathematics (p. 114)
- Music (p. 136)
- Science (p. 145)
- Social Science (p. 152)
- Special Education Generalist (p. 163)

### Subject Endorsement Programs

- Biology (p. 42)
- Chemistry (p. 143)
- Earth and Space Science (p. 144)
- Health Education (p. 98)
- History (p. 103)

- Physical Education - Grades PK-6 (p. 98), Physical Education - Grades 7-12 (p. 98)
- Vocal Music (p. 136)

### Supplemental Endorsement Programs

(Requires that the student hold either a field or subject endorsement, in addition to the supplemental endorsement)

- Coaching (p. 99)
- Health Sciences (p. 91)
- Theatre (p. 168)
- Work-based Learning (p. 59)

NOTE: A candidate seeking a Secondary Field or Subject Endorsement must take the Praxis II Content Knowledge test designated by Nebraska Department of Education for all Secondary Endorsements in which he/she is obtaining, as a requisite for CSC graduation.

### Semester #2 – Teacher Internship

| Code                 | Title                                 | Credits     |
|----------------------|---------------------------------------|-------------|
| EDUC 490             | TEACHER INTERNSHIP - STUDENT TEACHING | 5-9         |
| EDUC 495             | EDUCATION CAPSTONE                    | 3           |
| <b>Total Credits</b> |                                       | <b>8-12</b> |

EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently and may be taken only upon successful completion of the Professional Semester #1 "Block". A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year course grade may be below a "C".

## Bachelor of Science – Education – Subject Endorsement in Middle Level Education (Grades 5-9)

Students must complete the following program in addition to their Essential Studies and Middle Level Education Core Academic Area requirements.

### Professional Education Courses

The following courses are prerequisites for entering into the Professional Year (Senior/Capstone Year). A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Education Course grade may be below a "C":

| Code                           | Title  | Credits |
|--------------------------------|--|---------|
| Essential Studies (p. 14)      |  |         |
| Professional Education Courses |  |         |
| EDUC 131                       | INTRODUCTION TO TEACHING                             | 3       |
| EDUC 224                       | TECHNOLOGY RESOURCES FOR LEARNING                    | 3       |
| EDUC 300                       | OBSERVATION AND PARTICIPATION                        | 1-3     |
| EDUC 301                       | ELEMENTARY/MIDDLE LEVEL EDUCATION QUALIFYING SEMINAR | 0       |
| EDUC 325                       | LANGUAGE, CULTURE AND LITERACY                       | 3       |



|  |   |              |
|--|---|--------------|
| EDUC 329   | ASSESSMENT FOUNDATIONS                            | 2            |
| EDUC 431   | SPECIAL METHODS <sup>3</sup>                      | 3            |
| EDUC 433   | THE MIDDLE SCHOOL <sup>1</sup>                    | 3            |
| FCS 225  | ADOLESCENT DEVELOPMENT                            | 3            |
| PSYC 231   | EDUCATIONAL PSYCHOLOGY                            | 3            |
| PSYC 254<br>or FCS 139   | DEVELOPMENTAL PSYCHOLOGY<br>HUMAN DEVELOPMENT     | 3            |
| SPED 230   | INTRODUCTION TO THE EXCEPTIONAL LEARNER           | 3            |
| SPED 334   | DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS | 3            |
| Select the methods course below that corresponds with your content area: |   | 3            |
| EDUC 321   | TEACHING ELEMENTARY/MIDDLE SCHOOL MATHEMATICS     |              |
| EDUC 322   | TEACHING ELEMENTARY/MIDDLE SCHOOL LANGUAGE ARTS   |              |
| EDUC 323   | TEACHING ELEMENTARY/MIDDLE SCHOOL SOCIAL STUDIES  |              |
| EDUC 422   | TEACHING ELEMENTARY/MS SCIENCE/HEALTH             |              |
| HPER 339   | THEORY OF PHYSICAL EDUCATION K-8                  |              |
| Middle Level Education Core Academic Area Requirements                   |   | 24           |
| Professional Year (Two Semesters) (p. 73)                                |   |              |
| EDUC 490   | TEACHER INTERNSHIP - STUDENT TEACHING             | 5-9          |
| EDUC 495   | EDUCATION CAPSTONE <sup>2</sup>                   | 3            |
| <b>Total Credits</b>   |   | <b>68-74</b> |

<sup>1</sup> May be taken concurrently with the Block Professional Semester.

<sup>2</sup> EDUC 495 Education Capstone must be taken concurrently with EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING

<sup>3</sup> Students must take an EDUC 431 course for each of these content areas of specialization.

Admission to the Teacher Education Program must be completed before the end of the students academic Junior Year of study.

Students seeking the Middle Level Education endorsement must take EDUC 431 Specialized Instruction for each "core academic subject area" he/she is pursuing. Individuals seeking an Added Endorsement program, or those enrolled in the CSC Post-Baccalaureate teaching program may instead take EDUC 431M INTERDISCIPLINARY SPECIAL METHODS. The appropriate EDUC 431 specialized instruction courses are outlined in the Secondary section of this catalog.

NOTE: Due to Nebraska certification requirements there are some courses that will work to satisfy the requirements for a students Education program and for their Essential Studies program. Students are allowed to use up to nine (9) credit hours of this duplicate course work for both their Essential Studies and Middle Level Endorsement program requirements.

NOTE: The EDUC 495: Education Capstone is required to be taken concurrently with EDUC 490: Teacher Internship-Student Teaching, and will account for three (3) of the nine (9) credit hours described above.

## Core Academic Subject Area Requirements

The Middle Level Education student must complete a minimum of 24 course credits in at least one Core Academic Subject Area from the list below: (You will find specific subject area courses under each department's course listings for Middle Level Education.)

- English Language Arts (p. 74)
- Mathematics (p. 111)
- Sciences (p. 138)
- Social Sciences (p. 150)

Additional content subject areas may be added (with a minimum of 24 course credits) in any of the Core Academic Subject Areas listed above, and/or in any of the following content subject areas: You will find specific subject area courses for Middle Level Education under each department's course listings.

- Business, Marketing & Information Technology Education (p. 50)
- Family & Consumer Sciences (p. 83)
- Health & Physical Education (p. 91)

## Professional Year Options

The Professional Year (Senior/Capstone Year) is comprised of two semesters. Students pursuing the Middle Level Education program may select to complete their Professional Year course work requirements by enrolling in either of the Professional Year options identified below.

A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year course grade may be below a "C": refer to Application for Professional Year requirements.

**OPTION 1 – Year-long School-based Partnership Program (SBPP). This program requires a year-long internship experience within a school setting. Course work is delivered concurrently either online or "at-a-distance" via Zoom technology after completion of the school work day.**

**Summer Session (or sometime prior to academic year internship placement)**

| Code                 | Title                                | Credits  |
|----------------------|--------------------------------------|----------|
| EDUC 423             | TEACHING PRIMARY READING AND WRITING | 3        |
| <b>Total Credits</b> |                                      | <b>3</b> |

## Semester #1 - Middle Level School-based Internship-Fall Semester

| Code      | Title                                      | Credits |
|-----------|--|---------|
| EDUC 441  | CURRICULUM AND STANDARDS                   | 1       |
| EDUC 442  | CLASSROOM MANAGEMENT                       | 2       |
| SPED 444  | SPECIAL EDUCATION PRACTICES AND STRATEGIES | 1       |
| EDUC 443  | HUMAN REL/MULTI-CULTURAL                   | 1       |
| EDUC 417E | TEACHING READING DIAGNOSIS                 | 1       |
| EDUC 422  | TEACHING ELEMENTARY/MS SCIENCE/HEALTH      | 3       |

|                      |                  |              |
|----------------------|------------------|--------------|
| EDUC 480A            | FIELD EXPERIENCE | 1-8          |
| <b>Total Credits</b> |                  | <b>10-17</b> |

### Semester #2 - Middle Level School-based Internship-Spring Semester

| Code                 | Title                                     | Credits      |
|----------------------|---|--------------|
| EDUC 424             | TEACHING INTERMEDIATE READING AND WRITING | 3            |
| EDUC 490             | TEACHER INTERNSHIP - STUDENT TEACHING     | 5-9          |
| EDUC 495             | EDUCATION CAPSTONE                        | 3            |
| <b>Total Credits</b> |   | <b>11-15</b> |

EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently, and may be taken only upon successful completion of the Professional Semester #1. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year Course grade may be below a "C".

NOTE: A candidate seeking a Middle Level Education Endorsement must take the Praxis II: Content Knowledge test designated by Nebraska Department of Education for all Middle level academic areas in which he/she is obtaining, as a requisite for CSC graduation.

### OPTION 2 – Professional Year: Secondary Block Route Semester #1 "Secondary Block" (Offered fall semesters only)

| Code                 | Title   | Credits  |
|----------------------|---|----------|
| EDUC 411S            | READING/WRITING IN CONTENT AREA                         | 1        |
| READ 430             | READING AND WRITING IN THE MIDDLE AND SECONDARY SCHOOLS | 3        |
| or READ 431          | IMPROVEMENT OF INSTRUCTION IN READING                   |          |
| EDUC 441             | CURRICULUM AND STANDARDS                                | 1        |
| EDUC 442             | CLASSROOM MANAGEMENT                                    | 2        |
| EDUC 443             | HUMAN REL/MULTI-CULTURAL                                | 1        |
| SPED 444             | SPECIAL EDUCATION PRACTICES AND STRATEGIES              | 1        |
| <b>Total Credits</b> |   | <b>9</b> |

### Semester #2 – Student Teacher Internship

| Code                 | Title                                 | Credits     |
|----------------------|---------------------------------------|-------------|
| EDUC 490             | TEACHER INTERNSHIP - STUDENT TEACHING | 5-9         |
| EDUC 495             | EDUCATION CAPSTONE                    | 3           |
| <b>Total Credits</b> |                                       | <b>8-12</b> |

EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently, and may be taken only upon successful completion of the Professional Semester #1 (Block). A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year Course grade may be below a "C".

NOTE: A candidate seeking a Middle Level Education Endorsement must take the Praxis II: Content Knowledge test designated by Nebraska

Department of Education for all Middle level Academic Areas in which he/she is obtaining, as a requisite for CSC graduation.

## English Mission

We encourage students to investigate how writing, reading, literary study, and philosophical inquiry shape identity and our understanding of the human condition

## Student Learning Outcomes

The English Program challenges students to:

- Demonstrate proficiency in critical and creative thinking, reading, and writing.
- Analyze and evaluate how language and philosophical concepts shape our perception and understanding of the human condition.
- Identify and Illustrate how the humanities contribute to the cultivation of global citizenship.
- Bachelor of Arts - Subject Major in English Studies (p. 80)
- Bachelor of Arts - Comprehensive Major in Advanced English Studies (p. 78)
- Bachelor of Science - Education - Field Endorsement in English Language Arts (Grades 7-12) (p. 80)
- Bachelor of Science - Education - English Language Arts for Middle Level Education Academic Area in English Language Arts (Grades 5-9) (p. 81)

## Minors in English

- Creative Writing (p. 82)
- Interdisciplinary Humanities (p. 82)
- Literature (p. 82)
- Philosophy (p. 83)

### ENG 111 INTRODUCTION TO COLLEGE WRITING<sup>1-3</sup> Credits

This course is designed to help students utilize a variety of strategies for composing written discourse in Standard Edited English in an academic setting.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

### ENG 135 RHETORIC AND WRITING<sup>3</sup> Credits

Guided practice in reading, writing, and revising texts, with attention to issues of purpose, audience, organization, style, and conventions for diverse writing situations.

**Essential Studies:** SLO #2

**Prerequisites:** ACT of 19 or higher in English or Reading, SAT Critical Reading 460 or higher, or meeting additional requirements outlined in the Catalog or determined by the Transitional Studies Director

### ENG 136 TOPICS IN WRITING<sup>3</sup> Credits

Each section of this course will focus upon a specific issue or theme that students will explore through diverse writing situations, composing texts that make appropriate use of evidence and conventions. Topics will vary.

**Essential Studies:** SLO #2

**Prerequisites:** ACT of 19 or higher in English or Reading, SAT Critical Reading 460 or higher, or meeting additional requirements outlined in the Catalog or determined by the Transitional Studies Director

**Notes:** See the placement matrix in Essential Studies for further details.

**ENG 137 TECHNICAL WRITING3 Credits**

Interdisciplinary writing course emphasizing workplace and technical communication and editing appropriate to diverse populations.

**Essential Studies:** SLO #2

**Notes:** See the placement matrix in Essential Studies for further details.

**ENG 232A HISTORY OF AMERICAN LITERATURE TO 18653 Credits**

A study of American literature from its beginning to 1865.

**Essential Studies:** SLO #7

**ENG 232B HISTORY OF AMERICAN LITERATURE FROM 18653 Credits**

A study of American literature from 1865 to the present.

**Essential Studies:** SLO #7

**ENG 233 ELEMENTS OF LITERATURE3 Credits**

A study of the elements of poetry, drama, and fiction as well as an introduction to a variety of lenses of critical analysis.

**Essential Studies:** SLO #7

**ENG 235 CHILDREN'S LITERATURE3 Credits**

A study of literature written for children and adolescents that provides a critical background for interpreting, evaluating and teaching the literature.

**ENG 236A HISTORY OF BRITISH LITERATURE TO 17953 Credits**

A study of British literature and its influence on the development of the English language and national identities across Great Britain from its beginnings to 1795.

**Essential Studies:** SLO #7

**ENG 236B HISTORY OF BRITISH LITERATURE FROM 17953 Credits**

A study of literature, popular authors, and literary movements throughout the United Kingdom and the Republic of Ireland from 1795 to the present.

**Essential Studies:** SLO #7

**ENG 260 LITERARY EXPLORATIONS3 Credits**

Special Topics Seminar in English.

**Notes:** May be repeated with a change of emphasis.

**ENG 299 INTRODUCTION TO CREATIVE WRITING3 Credits**

Beginning course in creative writing that introduces students to writing in various genres.

**Essential Studies:** SLO #5

**ENG 300 GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE3 Credits**

An examination of contemporary issues in global diversity through the lens of the graphic novel, a literary genre that creates meaning through the sequencing and juxtaposition of visual images and words. The goal is to understand the graphic novel as a cultural product and a cultural practice, paying careful attention to the ways that graphic storytellers manipulate historical and contemporary economic, political, and social issues in their art.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**ENG 311 THE THEORY AND PRACTICE OF TEACHING READING3 Credits**

This course in the theory and practice of teaching reading to adolescents introduces students to research in the cognitive and linguistic processes of reading; research in the motivational and sociocultural foundations of literacy; evidence-based instructional practices and strategies that support literacy; and a range of assessment practices that inform reading instruction. Particular attention will be paid to diversity issues in reading instruction, including social justice, equity, and student identities.

**Prerequisites:** Sophomore or above status

**ENG 320 GRAMMAR AND LINGUISTICS3 Credits**

An introduction to the study of grammar and linguistics, with a focus on sociolinguistics and differing approaches to grammar as each applies to teaching.

**Prerequisites:** Sophomore or above status

**ENG 321 THE ART OF RHETORIC3 Credits**

An historical and theoretical investigation of rhetoric in its spoken and written forms. Emphasis will be placed (a) on the practice of rhetoric and writing in civic spaces, and (b) on creative writing as a rhetorical art.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**ENG 331 THEORY AND PRACTICE OF TEACHING WRITING3 Credits**

An examination of various methods and programs in teaching writing, including practical experience in responding to writing.

**Prerequisites:** Sophomore or above status

**ENG 340 CONTEMPORARY LITERATURE3 Credits**

A study of various issues, authors and topics in contemporary literature from diverse genres.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 341 LITERATURE OF THE AMERICAN WEST3 Credits**

An exploration of writers and works of literature related to the American West.

**Essential Studies:** SLO #7

**ENG 342 MULTI-ETHNIC LITERATURE IN ENGLISH3 Credits**

An exploration of works from diverse genres by writers from around the world and literary criticism that confront race, class and ethnicity, gender, and the intersectionality of these issues.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**ENG 343 LITERATURE AND PHILOSOPHY3 Credits**

An examination of literary works at the intersection of philosophy and literature that raise such philosophical issues as the nature of reality, truth, knowledge, identity or vividly illustrates the meaning of abstract thought about those issues.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 344 LITERATURE OF THE ENVIRONMENT3 Credits**

An examination of literary theory, criticism, and works from a variety of genres that treat the relationship between people and their natural environments.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 345 GENDER, SEXUALITY, AND LITERATURE3 Credits**

A study of masculinity and femininity, the fluidity of these categories, and how these categories intersect with questions pertaining to sexual orientation in literature and literary criticism.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 346 LITERATURE OF THE BIBLE3 Credits**

The purpose of this course is to introduce students to the literature of the Protestant and Catholic Bibles. Students will use diverse reading practices employed in both biblical and literary scholarship in order to read these texts in their literary, historical, and cultural contexts (ancient Near East, Greece, and Rome).

**Essential Studies:** SLO #10

**ENG 361 DIGITAL COMPOSITION3 Credits**

An examination of the theory and practice of literacy in the digital age, with an emphasis on using digital tools and technologies to read, write, and learn.

**Prerequisites:** Sophomore or above status

**ENG 390 INTERNSHIP IN ENGLISH1-12 Credits**

Provides practical experience in a field related to Literature and/or English.

**Add Consent:** Department Consent

**Notes:** 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.

**Requirements:** Dean of the School of Liberal Arts, Department Chairperson, and the student's major advisor must approve program prior to semester of internship.

**ENG 399A INTERMEDIATE CREATIVE WRITING: NONFICTION3 Credits**

Intermediate course in creative writing focused on the genre of Creative Nonfiction.

**Essential Studies:** SLO #5

**Prerequisites:** ENG 299 and Sophomore or above status, or permission of instructor

**Notes:** May be repeated for a maximum of six (6) credit hours.

**ENG 399B INTERMEDIATE CREATIVE WRITING: FICTION3 Credits**

Intermediate course in creative writing focused on the genre of Fiction.

**Essential Studies:** SLO #5

**Prerequisites:** ENG 299 and Sophomore or above status, or permission of instructor

**Notes:** May be repeated for a maximum of six (6) credit hours.

**ENG 399C INTERMEDIATE CREATIVE WRITING: POETRY3 Credits**

Intermediate course in creative writing focused on the genre of Poetry.

**Essential Studies:** SLO #5

**Prerequisites:** ENG 299 and Sophomore or above status, or permission of instructor

**Notes:** May be repeated for a maximum of six (6) credit hours.

**ENG 400 INDEPENDENT STUDY OR RESEARCH3 Credits**

Study or research in an area of special interest. Students of senior standing, under the guidance of a professor in their major, may complete a Thesis and Capstone Project in their area of study and present it publicly.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean and Academic Vice President is required.

**ENG 431 TOPICS IN ENGLISH3 Credits**

Special topics in English.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with a change of emphasis.

**ENG 432 SHAKESPEARE3 Credits**

A study of Shakespeare's works (both plays and sonnets), with consideration given to the history of performance.

**Prerequisites:** Junior or above status

**ENG 435 NATIVE AMERICAN LITERATURE3 Credits**

A study of the history, themes, and/or genres of literature produced by and about Native Americans.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**ENG 436 WORLD LITERATURE3 Credits**

A study of representative poetry, drama, fiction, and non-fiction prose selected from global literature. Texts not originally published in the English language will be read in English translation.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**ENG 438 ADOLESCENT LITERATURE3 Credits**

A study of literature written and published for adolescents, with opportunities for critical conversations about the teaching of such literature.

**Prerequisites:** Junior or above status

**ENG 440 THEORY AND PRACTICE OF LITERARY CRITICISM3 Credits**

A study of selected theories that provide the foundations for literary criticism and the application of those theories to specific texts.

**Prerequisites:** Junior or above status

**ENG 441 NOVELS3 Credits**

A study of the novel as a genre and literary criticism focused on reading it as such.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**ENG 442 MAJOR WRITERS3 Credits**

An examination of the works of one or more major writers in literature with consideration of the historical and cultural contexts in which they wrote.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**Notes:** Course may be repeated for up to 9 credit hours.

**ENG 446 CROSS-CULTURAL STUDIES/LITERATURE1-3 Credits**

A study of the cross-cultural differences in literature composed in specific places in historical times. This course examines the impact of cultural factors (historical, religious, social, and political) on the production and interpretation of a work of literature.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**Drop Consent:** Instructor Consent

**Requirements:** This course requires participation in a study abroad program.

**ENG 461 SPECIALIZED METHODS IN ENGLISH LANGUAGE ARTS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** EDUC 131, EDUC 300, PSYC 231, SPED 230, SPED 334, and Junior or above status

**ENG 490 RESEARCHING PROFESSIONAL FUTURES3 Credits**

A study of professional options for majors and minors. The course will focus on student-driven research into career and graduate school options, drafting of job or application materials, and interview practice. Will result in the creation of either a thesis or professional portfolio.

**Prerequisites:** Senior status or permission of instructor

**ENG 496 SEMINAR IN POETIC FORMS AND POETICS3 Credits**

Study of the elements of poetic form and theory.

**Prerequisites:** ENG 299 or permission of instructor and junior status or above

**ENG 497 SEMINAR IN NARRATIVE STRATEGIES3 Credits**

Study in the elements of narrative strategies and theory.

**Prerequisites:** ENG 299 or permission of instructor and junior status or above

**ENG 498 ADVANCED TOPICS IN CREATIVE WRITING3 Credits**

Special topics in Advanced Creative Writing.

**Prerequisites:** ENG 299 or permission of instructor and junior status or above

**ENG 499 CREATIVE WRITING CAPSTONE3 Credits**

Capstone course for creative writing students.

**Prerequisites:** Junior or above status

**HUM 160 INTRODUCTION TO THE HUMANITIES1-3 Credits**

An introduction to the interdisciplinary study of humanistic knowledge, inquiry, and values focusing on connections among humanities disciplines.

**Notes:** May be repeated with a change in emphasis.

**HUM 231 HUMANISTIC PERSPECTIVES3 Credits**

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

**Essential Studies:** SLO #7

**HUM 232 HUMANISTIC TRADITION I:CLASSICAL WORLD3 Credits**

Introduction to the thought, values, and arts of Western culture from the Archaic Greek age through the end of the Roman Empire. Readings and discussions focus on literature, philosophy, the arts, and religion.

**Essential Studies:** SLO #7

**HUM 233 HUMANISTIC TRADITION II: THE MEDIEVAL WORLD AND RENAISSANCE3 Credits**

Introduction to the thought, values, and arts of Western culture from the rise of Christianity in the Middle Ages through the waning of the European renaissance in the sixteenth century, including the Protestant Reformation and Counter-Reformation. Readings and discussions focus on literature, philosophy, religion, and the arts.

**Essential Studies:** SLO #7

**HUM 234 HUMANISTIC TRADITION III:THE AGE OF ENLIGHTENMENT AND ROMANTICISM3 Credits**

Introduction to the thought, values, and arts of Western culture from the mid-sixteenth century Scientific Revolution through the early nineteenth century British, Continental, and American Romantic movements. Readings and discussions focus on literature, philosophy, religion, and the arts.

**Essential Studies:** SLO #7

**HUM 235 THE HUMANISTIC TRADITION IV:MODERNISM AND POST-MODERNISM3 Credits**

Introduction to the thought, values, and arts of Western culture from the beginning of modernism in the mid-nineteenth century through our own contemporary era. Readings and discussions focus on literature, philosophy, cinema, religion, and the arts.

**Essential Studies:** SLO #7

**HUM 301 BEAT CULTURE: FILM, PHILOSOPHY, LITERATURE3 Credits**

Interdisciplinary exploration of lives, work, and legacy of the Beat Generation, with a special focus on its "founders". Discussions will include music, the art of the Abstract Expressionists and the huge culture industry that has grown up around the Beats.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HUM 302 FILM AND PHILOSOPHY3 Credits**

Recent work in the philosophy of film, focusing on the relationship between film and philosophy and exploring in depth the idea of 'film as philosophy'.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HUM 303 MODERNISM AND MANIFESTOS3 Credits**

Interdisciplinary exploration of the history of the manifesto as a lens through which to examine the intersection of art, philosophy, literature, and film in the late-nineteenth and twentieth century.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HUM 333 EXPLORATIONS IN HUMANITIES3 Credits**

An in-depth analysis of a key concept in humanistic thought and expression of a major contemporary issue from an interdisciplinary humanities perspective.

**Prerequisites:** Sophomore or above status

**HUM 334 INTRODUCTION TO FILM3 Credits**

An examination of the art of film. Field trips may be required.

**Prerequisites:** Sophomore or above status

**HUM 335 COMPARATIVE RELIGIONS3 Credits**

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.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**HUM 336 HIGH PLAINS HUMANITIES3 Credits**

An integrative study of the diverse cultural expressions by and about peoples living in the High Plains region of America past and present, including Native Americans. Artifacts and areas of study will include literature, visual and performing art, religion, architecture, design, and film.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**HUM 369 PHILOSOPHY AND DOCUMENTARY FILM3 Credits**

The study of documentary film as philosophy, considering fundamental concepts of form, style, and subject matter, as well as issues of objectivity and deception, cinematic representation, the social utility of film, artistic progress, and the relation between truth and socio-political progress.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**HUM 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Permission of Instructor and Dean is required.

**HUM 401 CUBA LIBRE'1-3 Credits**

Study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**Requirements:** Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding self-reflective essay (required of all participants).

**PHIL 100 READING AND WRITING PHILOSOPHY3 Credits**

Core issues in philosophy with a focus on the development of reading and writing skills.

**Co-requisites:** ENG 111

**PHIL 231 INTRODUCTION TO PHILOSOPHY3 Credits**

A study of traditional and contemporary approaches to major philosophical issues.

**Essential Studies:** SLO #7

**PHIL 233 SYMBOLIC LOGIC3 Credits**

A study of methods for systematic, critical evaluations of assertions and arguments.

**Essential Studies:** SLO #4

**PHIL 269 ETHICS, SOCIETY AND CURRENT ISSUES3 Credits**

A study of the relationship between the development of a personal ethic and its application to social issues and the exercise of citizenship.

**Essential Studies:** SLO #9

**PHIL 336 BIOMEDICAL ETHICS3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**PHIL 337 ENVIRONMENTAL ETHICS3 Credits**

A philosophical study of ethical issues that involve the relationship between humans and their natural environment. Topics to be covered might include theories of nature, animal rights, pollution, consumption patterns and multicultural perspectives.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**PHIL 340 PHILOSOPHY ON THE RANGE3 Credits**

A philosophical approach to exploring values, culture, and problems of the High Plains region. Topics vary and can include issues relevant to environmental ethics, natural beauty, socioeconomics, rural politics, rangeland science, and the cultural identities of the region.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**PHIL 360 PHILOSOPHY OF GENDER3 Credits**

An introduction to philosophical questioning through the study of gender. Topics that may be explored are: the nature and reality of gender; the reality and effects of gender norms and gender roles in the family, work, and society; privilege and oppression; and the intersection of gender and other identities such as race or religion.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**PHIL 370 CIVIL DISCOURSE AND CIVIC VIRTUE3 Credits**

A theoretical and practical examination of what sort of personal character and interpersonal discourse to be present for our democracy to flourish.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**PHIL 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Advanced study or research in a special field of philosophy.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Permission of Instructor, Dean and Academic Vice President required.

**PHIL 432 ETHICS3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

## Bachelor of Arts - Comprehensive Major in Advanced English Studies

A student must complete the following CORE and ONE OPTION, in addition to the Essential Studies (p. 14) requirements.

| Code   | Title   | Credits   |
|--|---|-----------|
| Essential Studies (p. 14)  |   |           |
| <b>CORE REQUIREMENTS</b>   |   |           |
| ENG 233  | ELEMENTS OF LITERATURE  | 3         |
| American Literature (select one):  |   | 3         |
| ENG 232A   | HISTORY OF AMERICAN LITERATURE TO 1865<br>or ENG 232BHISTORY OF AMERICAN LITERATURE FROM 1865 | 3         |
| British Literature (select one):   |   | 3         |
| ENG 236A   | HISTORY OF BRITISH LITERATURE TO 1795<br>or ENG 236BHISTORY OF BRITISH LITERATURE FROM 1795   | 3         |
| Writing & Rhetoric (select one):   |   | 3         |
| ENG 299  | INTRODUCTION TO CREATIVE WRITING  |           |
| ENG 321  | THE ART OF RHETORIC   |           |
| ENG 361  | DIGITAL COMPOSITION   |           |
| Diversity Literature (select one):   |   | 3         |
| ENG 300  | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE  |           |
| ENG 342  | MULTI-ETHNIC LITERATURE IN ENGLISH  |           |
| ENG 345  | GENDER, SEXUALITY, AND LITERATURE   |           |
| ENG 435  | NATIVE AMERICAN LITERATURE  |           |
| Regional Literature (select one that does not duplicate your diversity literature selection) |   | 3         |
| ENG 341  | LITERATURE OF THE AMERICAN WEST   |           |
| ENG 344  | LITERATURE OF THE ENVIRONMENT   |           |
| ENG 435  | NATIVE AMERICAN LITERATURE  |           |
| ENG 436  | WORLD LITERATURE  | 3         |
| ENG 440  | THEORY AND PRACTICE OF LITERARY CRITICISM   | 3         |
| ENG 442  | MAJOR WRITERS   | 3         |
| Select one of the following options:   |   | 30        |
| Humanities and Diversity (p. 78)   |   |           |
| Creative Writing (p. 79)   |   |           |
| Literary Studies (p. 79)   |   |           |
| <b>Total Credits</b>   |   | <b>57</b> |

**Humanities and Diversity Option**

| Code  | Title  | Credits |
|---|--|---------|
| Core Requirements   |  | 27      |
| Diversity Literature -- Select two not taken in the core: |  | 6       |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE |         |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                 |         |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                  |         |

|   |  |           |
|---|--|-----------|
| ENG 435   | NATIVE AMERICAN LITERATURE                       |           |
| Studies in Interdisciplinary Humanities:  |  | 9         |
| HUM 333   | EXPLORATIONS IN HUMANITIES                       |           |
| HUM 335   | COMPARATIVE RELIGIONS                            |           |
| HUM 369   | PHILOSOPHY AND DOCUMENTARY FILM                  |           |
| Studies in Philosophy (Select two):   |  | 6         |
| PHIL 231  | INTRODUCTION TO PHILOSOPHY                       |           |
| PHIL 269  | ETHICS, SOCIETY AND CURRENT ISSUES               |           |
| PHIL 337  | ENVIRONMENTAL ETHICS                             |           |
| PHIL 360  | PHILOSOPHY OF GENDER                             |           |
| PHIL 370  | CIVIL DISCOURSE AND CIVIC VIRTUE                 |           |
| PHIL 432  | ETHICS   |           |
| Select six credits of the following courses not taken in the core, three of which must be upper-division: |  | 6         |
| ENG 260   | LITERARY EXPLORATIONS                            |           |
| ENG 235   | CHILDREN'S LITERATURE                            |           |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY & DIFFERENCE |           |
| ENG 340   | CONTEMPORARY LITERATURE                          |           |
| ENG 341   | LITERATURE OF THE AMERICAN WEST                  |           |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH               |           |
| ENG 343   | LITERATURE AND PHILOSOPHY                        |           |
| ENG 344   | LITERATURE OF THE ENVIRONMENT                    |           |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                |           |
| ENG 346   | LITERATURE OF THE BIBLE                          |           |
| ENG 431   | TOPICS IN ENGLISH                                |           |
| ENG 432   | SHAKESPEARE                                      |           |
| ENG 446   | CROSS-CULTURAL STUDIES/LITERATURE                |           |
| ENG 490   | RESEARCHING PROFESSIONAL FUTURES                 | 3         |
| <b>Total Credits</b>  |  | <b>57</b> |

### Creative Writing Option

| Code   | Title  | Credits |
|--|--|---------|
| Core Requirements  |  | 27      |
| Select three of the following (one may be repeated):   |  | 9       |
| ENG 399A   | INTERMEDIATE CREATIVE WRITING: NONFICTION          |         |
| ENG 399B   | INTERMEDIATE CREATIVE WRITING: FICTION             |         |
| ENG 399C   | INTERMEDIATE CREATIVE WRITING: POETRY              |         |
| Select nine credits of the following courses not taken in the core, six of which must be upper-division: |  | 9       |
| ENG 235  | CHILDREN'S LITERATURE                              |         |
| ENG 260  | LITERARY EXPLORATIONS                              |         |
| ENG 300  | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE |         |
| ENG 340  | CONTEMPORARY LITERATURE                            |         |
| ENG 341  | LITERATURE OF THE AMERICAN WEST                    |         |
| ENG 342  | MULTI-ETHNIC LITERATURE IN ENGLISH                 |         |
| ENG 343  | LITERATURE AND PHILOSOPHY                          |         |
| ENG 344  | LITERATURE OF THE ENVIRONMENT                      |         |
| ENG 345  | GENDER, SEXUALITY, AND LITERATURE                  |         |
| ENG 346  | LITERATURE OF THE BIBLE                            |         |
| ENG 361  | DIGITAL COMPOSITION                                |         |
| ENG 431  | TOPICS IN ENGLISH                                  |         |

|                      |                                     |           |
|----------------------|-------------------------------------|-----------|
| ENG 432              | SHAKESPEARE                         |           |
| ENG 446              | CROSS-CULTURAL STUDIES/LITERATURE   |           |
| ENG 496              | SEMINAR IN POETIC FORMS AND POETICS | 3         |
| ENG 497              | SEMINAR IN NARRATIVE STRATEGIES     | 3         |
| ENG 498              | ADVANCED TOPICS IN CREATIVE WRITING | 3         |
| ENG 499              | CREATIVE WRITING CAPSTONE           | 3         |
| <b>Total Credits</b> |                                     | <b>57</b> |

### Literary Studies Option

| Code  | Title   | Credits |
|---|---|---------|
| Core Requirements   |   | 27      |
| Select two of the following surveys not taken in the core:                      |   | 6       |
| ENG 232A  | HISTORY OF AMERICAN LITERATURE TO 1865                            |         |
| ENG 232B  | HISTORY OF AMERICAN LITERATURE FROM 1865                          |         |
| ENG 236A  | HISTORY OF BRITISH LITERATURE TO 1795                             |         |
| ENG 236B  | HISTORY OF BRITISH LITERATURE FROM 1795                           |         |
| Select two of the following creative writing courses:                           |   | 6       |
| ENG 361   | DIGITAL COMPOSITION   |         |
| ENG 399A  | INTERMEDIATE CREATIVE WRITING: NONFICTION                         |         |
| ENG 399B  | INTERMEDIATE CREATIVE WRITING: FICTION                            |         |
| ENG 399C  | INTERMEDIATE CREATIVE WRITING: POETRY                             |         |
| ENG 496   | SEMINAR IN POETIC FORMS AND POETICS                               |         |
| ENG 497   | SEMINAR IN NARRATIVE STRATEGIES                                   |         |
| Select nine credits not taken in the core, six of which must be upper-division: |   | 9       |
| ENG 260   | LITERARY EXPLORATIONS   |         |
| ENG 235   | CHILDREN'S LITERATURE   |         |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE                |         |
| ENG 340   | CONTEMPORARY LITERATURE   |         |
| ENG 341   | LITERATURE OF THE AMERICAN WEST                                   |         |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                                |         |
| ENG 343   | LITERATURE AND PHILOSOPHY   |         |
| ENG 344   | LITERATURE OF THE ENVIRONMENT                                     |         |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                                 |         |
| ENG 346   | LITERATURE OF THE BIBLE   |         |
| ENG 431   | TOPICS IN ENGLISH   |         |
| ENG 432   | SHAKESPEARE   |         |
| ENG 435   | NATIVE AMERICAN LITERATURE  |         |
| ENG 438   | ADOLESCENT LITERATURE   |         |
| ENG 441   | NOVELS  |         |
| ENG 442   | MAJOR WRITERS   |         |
| ENG 446   | CROSS-CULTURAL STUDIES/LITERATURE                                 |         |
| Select one of the following Interdisciplinary Humanities courses:               |   | 3       |
| HUM 232   | HUMANISTIC TRADITION I:CLASSICAL WORLD                            |         |
| HUM 233   | HUMANISTIC TRADITION II: THE MEDIEVAL WORLD AND RENAISSANCE       |         |
| HUM 234   | HUMANISTIC TRADITION III:THE AGE OF ENLIGHTENMENT AND ROMANTICISM |         |
| HUM 235   | THE HUMANISTIC TRADITION IV:MODERNISM AND POST-MODERNISM          |         |
| HUM 301   | BEAT CULTURE: FILM, PHILOSOPHY, LITERATURE                        |         |
| HUM 302   | FILM AND PHILOSOPHY   |         |

|                      |                                  |           |
|----------------------|----------------------------------|-----------|
| HUM 334              | INTRODUCTION TO FILM             |           |
| PHIL 231             | INTRODUCTION TO PHILOSOPHY       | 3         |
| ENG 490              | RESEARCHING PROFESSIONAL FUTURES | 3         |
| <b>Total Credits</b> |                                  | <b>57</b> |

## Bachelor of Arts – Subject Major in English Studies

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

| Code   | Title  | Credits   |
|--|--|-----------|
| Essential Studies (p. 14)  |  |           |
| <b>CORE REQUIREMENTS</b>   |  |           |
| ENG 233  | ELEMENTS OF LITERATURE                               | 3         |
| American Literature (select one):  |  | 3         |
| ENG 232A   | HISTORY OF AMERICAN LITERATURE TO 1865               |           |
|  | or ENG 232B HISTORY OF AMERICAN LITERATURE FROM 1865 |           |
| British Literature (select one):   |  | 3         |
| ENG 236A   | HISTORY OF BRITISH LITERATURE TO 1795                |           |
|  | or ENG 236B HISTORY OF BRITISH LITERATURE FROM 1795  |           |
| Writing & Rhetoric (select one):   |  | 3         |
| ENG 299  | INTRODUCTION TO CREATIVE WRITING                     |           |
| ENG 321  | THE ART OF RHETORIC                                  |           |
| ENG 361  | DIGITAL COMPOSITION                                  |           |
| Diversity Literature (select one):   |  | 3         |
| ENG 300  | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE   |           |
| ENG 342  | MULTI-ETHNIC LITERATURE IN ENGLISH                   |           |
| ENG 345  | GENDER, SEXUALITY, AND LITERATURE                    |           |
| ENG 435  | NATIVE AMERICAN LITERATURE                           |           |
| Regional Literature (select one that does not duplicate your diversity literature selection)   |  | 3         |
| ENG 341  | LITERATURE OF THE AMERICAN WEST                      |           |
| ENG 344  | LITERATURE OF THE ENVIRONMENT                        |           |
| ENG 435  | NATIVE AMERICAN LITERATURE                           |           |
| ENG 436  | WORLD LITERATURE                                     | 3         |
| Select one of the following Emphases:  |  | 15        |
| Creative Writing ( <a href="http://catalog.csc.edu/undergraduate/programs/english/ba-subject-major-literature/#creative-writing-emphasis">http://catalog.csc.edu/undergraduate/programs/english/ba-subject-major-literature/#creative-writing-emphasis</a> ) |  |           |
| Literature ( <a href="http://catalog.csc.edu/undergraduate/programs/english/ba-subject-major-literature/#literature-emphasis">http://catalog.csc.edu/undergraduate/programs/english/ba-subject-major-literature/#literature-emphasis</a> )                   |  |           |
| <b>Total Credits</b>   |  | <b>36</b> |

### Creative Writing Emphasis

| Code                         | Title  | Credits |
|------------------------------|--|---------|
| Core Requirements            |  | 21      |
| Select TWO of the Following: |  | 6       |
| ENG 399A                     | INTERMEDIATE CREATIVE WRITING: NONFICTION          |         |
|                              | or ENG 399B INTERMEDIATE CREATIVE WRITING: FICTION |         |
|                              | or ENG 399C INTERMEDIATE CREATIVE WRITING: POETRY  |         |
| Select ONE of the Following: |  | 3       |
| ENG 496                      | SEMINAR IN POETIC FORMS AND POETICS                |         |

|                      |  |           |
|----------------------|--|-----------|
|                      | or ENG 497 SEMINAR IN NARRATIVE STRATEGIES |           |
| ENG 498              | ADVANCED TOPICS IN CREATIVE WRITING        | 3         |
| ENG 499              | CREATIVE WRITING CAPSTONE                  | 3         |
| <b>Total Credits</b> |  | <b>36</b> |

### Literature Emphasis

| Code   | Title  | Credits   |
|--|--|-----------|
| Core Requirements  |  | 21        |
| ENG 440  | THEORY AND PRACTICE OF LITERARY CRITICISM          | 3         |
| Select ONE of the following surveys not taken in the core:   |  | 3         |
| ENG 232A   | HISTORY OF AMERICAN LITERATURE TO 1865             |           |
| ENG 232B   | HISTORY OF AMERICAN LITERATURE FROM 1865           |           |
| ENG 236A   | HISTORY OF BRITISH LITERATURE TO 1795              |           |
| ENG 236B   | HISTORY OF BRITISH LITERATURE FROM 1795            |           |
| Select nine credits of the following courses not taken in the core, two of which must be upper-division: |  | 9         |
| ENG 235  | CHILDREN'S LITERATURE                              |           |
| ENG 260  | LITERARY EXPLORATIONS                              |           |
| ENG 300  | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE |           |
| ENG 321  | THE ART OF RHETORIC                                |           |
| ENG 340  | CONTEMPORARY LITERATURE                            |           |
| ENG 341  | LITERATURE OF THE AMERICAN WEST                    |           |
| ENG 342  | MULTI-ETHNIC LITERATURE IN ENGLISH                 |           |
| ENG 343  | LITERATURE AND PHILOSOPHY                          |           |
| ENG 344  | LITERATURE OF THE ENVIRONMENT                      |           |
| ENG 345  | GENDER, SEXUALITY, AND LITERATURE                  |           |
| ENG 346  | LITERATURE OF THE BIBLE                            |           |
| ENG 431  | TOPICS IN ENGLISH                                  |           |
| ENG 432  | SHAKESPEARE  |           |
| ENG 435  | NATIVE AMERICAN LITERATURE                         |           |
| ENG 438  | ADOLESCENT LITERATURE                              |           |
| ENG 441  | NOVELS   |           |
| ENG 442  | MAJOR WRITERS                                      |           |
| ENG 446  | CROSS-CULTURAL STUDIES/LITERATURE                  |           |
| ENG 496  | SEMINAR IN POETIC FORMS AND POETICS                |           |
| ENG 497  | SEMINAR IN NARRATIVE STRATEGIES                    |           |
| HUM 302  | FILM AND PHILOSOPHY                                |           |
| HUM 334  | INTRODUCTION TO FILM                               |           |
| PHIL 231   | INTRODUCTION TO PHILOSOPHY                         |           |
| <b>Total Credits</b>   |  | <b>36</b> |

NOTE: English majors considering a graduate program are encouraged to complete ENG 490 RESEARCHING PROFESSIONAL FUTURES or a COMPREHENSIVE MAJOR in Advanced English Studies.

## Bachelor of Science - Education - Field Endorsement in English Language Arts (Grades 7-12)

A student must complete the following program in addition to the Essential Studies and Professional Education requirements. Students



seeking the degree of Bachelor of Science in Education in English must hold a 3.0 GPA in their English courses and receive a grade of "C" or above in all English classes.

| Code  | Title  | Credits |
|---|--|---------|
| Essential Studies (p. 14)   |  |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |  |         |
| Core Requirements   |  |         |
| ENG 232A  | HISTORY OF AMERICAN LITERATURE TO 1865             | 3       |
| ENG 232B  | HISTORY OF AMERICAN LITERATURE FROM 1865           | 3       |
| ENG 233   | ELEMENTS OF LITERATURE                             | 3       |
| ENG 236A  | HISTORY OF BRITISH LITERATURE TO 1795              | 3       |
| ENG 236B  | HISTORY OF BRITISH LITERATURE FROM 1795            | 3       |
| ENG 299   | INTRODUCTION TO CREATIVE WRITING                   | 3       |
| ENG 311   | THE THEORY AND PRACTICE OF TEACHING READING        | 3       |
| ENG 320   | GRAMMAR AND LINGUISTICS                            | 3       |
| ENG 321   | THE ART OF RHETORIC                                | 3       |
| ENG 331   | THEORY AND PRACTICE OF TEACHING WRITING            | 3       |
| Diversity Literature (select one):  |  |         |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE | 3       |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                 |         |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                  |         |
| ENG 435   | NATIVE AMERICAN LITERATURE                         |         |
| Regional Literature (select one that does not duplicate your diversity literature selection):   |  |         |
| ENG 341   | LITERATURE OF THE AMERICAN WEST                    |         |
| ENG 344   | LITERATURE OF THE ENVIRONMENT                      |         |
| ENG 435   | NATIVE AMERICAN LITERATURE                         |         |
| ENG 436   | WORLD LITERATURE                                   | 3       |
| ENG 438   | ADOLESCENT LITERATURE                              | 3       |
| ENG 440   | THEORY AND PRACTICE OF LITERARY CRITICISM          | 3       |
| Select two of the following upper-division ENG Electives not taken in the core: 6   |  |         |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE |         |
| ENG 340   | CONTEMPORARY LITERATURE                            |         |
| ENG 341   | LITERATURE OF THE AMERICAN WEST                    |         |
| ENG 343   | LITERATURE AND PHILOSOPHY                          |         |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                 |         |
| ENG 344   | LITERATURE OF THE ENVIRONMENT                      |         |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                  |         |
| ENG 346   | LITERATURE OF THE BIBLE                            |         |
| ENG 361   | DIGITAL COMPOSITION                                |         |
| ENG 399A  | INTERMEDIATE CREATIVE WRITING: NONFICTION          |         |
| ENG 399B  | INTERMEDIATE CREATIVE WRITING: FICTION             |         |
| ENG 399C  | INTERMEDIATE CREATIVE WRITING: POETRY              |         |
| ENG 432   | SHAKESPEARE  |         |
| ENG 435   | NATIVE AMERICAN LITERATURE                         |         |
| ENG 441   | NOVELS   |         |

| ENG 442              | MAJOR WRITERS |           |
|----------------------|---------------|-----------|
| <b>Total Credits</b> |               | <b>51</b> |

NOTE: English Education Majors are required to take ENG 461 SPECIALIZED METHODS IN ENGLISH LANGUAGE ARTS as part of their Certificate Requirements within the Bachelor of Science in Education. See the "Secondary Level Professional Year" section of the Education Program (p. 71) for details.

Candidates who anticipate teaching speech/debate, journalism or theatre should consider taking one or more of the following elective courses (these do not count towards your English Language Arts degree):

| Code   | Title                | Credits |
|--------|----------------------|---------|
| CA 155 | PUBLIC SPEAKING      | 3       |
| CA 333 | NEWS REPORTING       | 3       |
| TH 134 | PRINCIPLES OF ACTING | 3       |
| TH 237 | BEGINNING DIRECTING  | 3       |

## Bachelor of Science – Education – English Language Arts for Middle Level Education Academic Area in English Language Arts (Grades 5-9)

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

| Code  | Title  | Credits |
|---|--|---------|
| Essential Studies (p. 14)   |  |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/middle-level-education/">http://catalog.csc.edu/middle-level-education/</a> ) |  |         |
| Core Requirements   |  |         |
| ENG 233   | ELEMENTS OF LITERATURE                             | 3       |
| ENG 235   | CHILDREN'S LITERATURE                              | 3       |
| ENG 299   | INTRODUCTION TO CREATIVE WRITING                   | 3       |
| ENG 311   | THE THEORY AND PRACTICE OF TEACHING READING        | 3       |
| ENG 320   | GRAMMAR AND LINGUISTICS                            | 3       |
| ENG 331   | THEORY AND PRACTICE OF TEACHING WRITING            | 3       |
| ENG 438   | ADOLESCENT LITERATURE                              | 3       |
| Upper Division ENG Elective   |  |         |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE |         |
| ENG 321   | THE ART OF RHETORIC                                |         |
| ENG 340   | CONTEMPORARY LITERATURE                            |         |
| ENG 341   | LITERATURE OF THE AMERICAN WEST                    |         |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                 |         |
| ENG 343   | LITERATURE AND PHILOSOPHY                          |         |
| ENG 344   | LITERATURE OF THE ENVIRONMENT                      |         |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                  |         |
| ENG 346   | LITERATURE OF THE BIBLE                            |         |

|                      |   |
|----------------------|---|
| ENG 361              | DIGITAL COMPOSITION                       |
| ENG 399A             | INTERMEDIATE CREATIVE WRITING: NONFICTION |
| ENG 399B             | INTERMEDIATE CREATIVE WRITING: FICTION    |
| ENG 399C             | INTERMEDIATE CREATIVE WRITING: POETRY     |
| ENG 432              | SHAKESPEARE                               |
| ENG 435              | NATIVE AMERICAN LITERATURE                |
| ENG 436              | WORLD LITERATURE                          |
| ENG 440              | THEORY AND PRACTICE OF LITERARY CRITICISM |
| ENG 441              | NOVELS                                    |
| ENG 442              | MAJOR WRITERS                             |
| <b>Total Credits</b> | <b>24</b>                                 |

NOTE: English Education Majors are required to take ENG 461 SPECIALIZED METHODS IN ENGLISH LANGUAGE ARTS as part of their Certificate Requirements within the Bachelor of Science in Education. Use the "Specialized Instruction" section of the Education Program (p. 64) for details.

## Creative Writing Minor

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

| Code                         | Title                                     | Credits   |
|------------------------------|---|-----------|
| ENG 233                      | ELEMENTS OF LITERATURE                    | 3         |
| ENG 299                      | INTRODUCTION TO CREATIVE WRITING          | 3         |
| ENG 399A                     | INTERMEDIATE CREATIVE WRITING: NONFICTION | 3         |
| ENG 399B                     | INTERMEDIATE CREATIVE WRITING: FICTION    | 3         |
| ENG 399C                     | INTERMEDIATE CREATIVE WRITING: POETRY     | 3         |
| Select one of the following: |   | 3         |
| ENG 496                      | SEMINAR IN POETIC FORMS AND POETICS       |           |
| or ENG 497                   | SEMINAR IN NARRATIVE STRATEGIES           |           |
| or ENG 498                   | ADVANCED TOPICS IN CREATIVE WRITING       |           |
| ENG 499                      | CREATIVE WRITING CAPSTONE                 | 3         |
| <b>Total Credits</b>         |   | <b>21</b> |

## Interdisciplinary Humanities Minor

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

| Code  | Title  | Credits |
|---|--|---------|
| Select three of the following:  |  | 9       |
| HUM 231   | HUMANISTIC PERSPECTIVES  |         |
| HUM 232   | HUMANISTIC TRADITION I: CLASSICAL WORLD                            |         |
| HUM 233   | HUMANISTIC TRADITION II: THE MEDIEVAL WORLD AND RENAISSANCE        |         |
| HUM 234   | HUMANISTIC TRADITION III: THE AGE OF ENLIGHTENMENT AND ROMANTICISM |         |
| HUM 235   | THE HUMANISTIC TRADITION IV: MODERNISM AND POST-MODERNISM          |         |
| Upper-division courses in one of the participating humanistic disciplines. <sup>1</sup> |  | 9       |
| Upper-division HUM course   |  | 3       |
| HUM 301   | BEAT CULTURE: FILM, PHILOSOPHY, LITERATURE                         |         |
| HUM 302   | FILM AND PHILOSOPHY  |         |

|                      |                                 |
|----------------------|---------------------------------|
| HUM 303              | MODERNISM AND MANIFESTOS        |
| HUM 333              | EXPLORATIONS IN HUMANITIES      |
| HUM 334              | INTRODUCTION TO FILM            |
| HUM 335              | COMPARATIVE RELIGIONS           |
| HUM 336              | HIGH PLAINS HUMANITIES          |
| HUM 369              | PHILOSOPHY AND DOCUMENTARY FILM |
| HUM 401              | CUBA LIBRE'                     |
| <b>Total Credits</b> | <b>21</b>                       |

<sup>1</sup> Participating disciplines: Humanities, Philosophy, English, History, Music, Art, and Theatre.

## Literature Minor

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

| Code  | Title  | Credits |
|---|--|---------|
| ENG 233   | ELEMENTS OF LITERATURE                             | 3       |
| American Literature (select one):   |  | 3       |
| ENG 232A  | HISTORY OF AMERICAN LITERATURE TO 1865             |         |
| or ENG 232B   | HISTORY OF AMERICAN LITERATURE FROM 1865           |         |
| British Literature (select one):  |  | 3       |
| ENG 236A  | HISTORY OF BRITISH LITERATURE TO 1795              |         |
| or ENG 236B   | HISTORY OF BRITISH LITERATURE FROM 1795            |         |
| Diversity Literature (select one):  |  | 3       |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE |         |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                 |         |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                  |         |
| ENG 435   | NATIVE AMERICAN LITERATURE                         |         |
| Regional Literature (select one that does not duplicate your diversity literature selection): |  | 3       |
| ENG 341   | LITERATURE OF THE AMERICAN WEST                    |         |
| ENG 344   | LITERATURE OF THE ENVIRONMENT                      |         |
| ENG 435   | NATIVE AMERICAN LITERATURE                         |         |
| ENG 436   | WORLD LITERATURE                                   | 3       |
| Select three credits of the following courses not already taken:                              |  | 3       |
| ENG 235   | CHILDREN'S LITERATURE                              |         |
| ENG 260   | LITERARY EXPLORATIONS                              |         |
| ENG 300   | GRAPHIC NOVEL: STUDIES IN DIVERSITY & DIFFERENCE   |         |
| ENG 321   | THE ART OF RHETORIC                                |         |
| ENG 340   | CONTEMPORARY LITERATURE                            |         |
| ENG 341   | LITERATURE OF THE AMERICAN WEST                    |         |
| ENG 342   | MULTI-ETHNIC LITERATURE IN ENGLISH                 |         |
| ENG 343   | LITERATURE AND PHILOSOPHY                          |         |
| ENG 344   | LITERATURE OF THE ENVIRONMENT                      |         |
| ENG 345   | GENDER, SEXUALITY, AND LITERATURE                  |         |
| ENG 346   | LITERATURE OF THE BIBLE                            |         |
| ENG 431   | TOPICS IN ENGLISH                                  |         |
| ENG 432   | SHAKESPEARE  |         |
| ENG 435   | NATIVE AMERICAN LITERATURE                         |         |
| ENG 438   | ADOLESCENT LITERATURE                              |         |

|         |                                     |
|---------|-------------------------------------|
| ENG 441 | NOVELS                              |
| ENG 442 | MAJOR WRITERS                       |
| ENG 446 | CROSS-CULTURAL STUDIES/LITERATURE   |
| ENG 496 | SEMINAR IN POETIC FORMS AND POETICS |
| ENG 497 | SEMINAR IN NARRATIVE STRATEGIES     |

**Total Credits** 21

## Philosophy Minor

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

| Code     | Title                      | Credits |
|----------|----------------------------|---------|
| PHIL 231 | INTRODUCTION TO PHILOSOPHY | 3       |
| PHIL 233 | SYMBOLIC LOGIC             | 3       |

Select fifteen credits from the following, nine of which must be upper- 15 division:

|          |  |
|----------|--|
| PHIL 269 | ETHICS, SOCIETY AND CURRENT ISSUES     |
| PHIL 336 | BIOMEDICAL ETHICS                      |
| PHIL 337 | ENVIRONMENTAL ETHICS                   |
| PHIL 340 | PHILOSOPHY ON THE RANGE                |
| PHIL 360 | PHILOSOPHY OF GENDER                   |
| PHIL 370 | CIVIL DISCOURSE AND CIVIC VIRTUE       |
| PHIL 400 | INDEPENDENT STUDY OR RESEARCH          |
| PHIL 432 | ETHICS                                 |
| HUM 302  | FILM AND PHILOSOPHY                    |
| HUM 335  | COMPARATIVE RELIGIONS                  |
| HUM 369  | PHILOSOPHY AND DOCUMENTARY FILM        |
| PS 431   | HISTORY OF POLITICAL THOUGHT           |
| MATH 237 | HISTORY AND FOUNDATIONS OF MATHEMATICS |

**Total Credits** 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.

- Bachelor of Arts in Family Consumer Science with options in: (p. 87)
  - Child and Family Studies
  - Design and Merchandising
  - Health and Human Services
  - Nutrition and Wellness
- Bachelor of Science in Nutrition and Dietetics (p. 90)
- Bachelor of Science – Education – Early Childhood Inclusive Field Endorsement (Birth through Grade 3) (p. 90)
- Bachelor of Science - Education - Field Endorsement in Family and Consumer Sciences (Grades 6-12) (p. 89)
- Bachelor of Science - Education - Middle Level Education Academic Area in Family and Consumer Sciences (Grades 5-9) (p. 89)
- Supplemental Endorsement in Health Sciences (Grades 6-12) (p. 91)
  - Child and Family Studies (p. 90)
  - Nutrition and Wellness (p. 91)
  - Textiles and Design (p. 91)
  - Gerontology (p. 90)
  - Hospitality (p. 90)
  - Public Health Promotion and Education (p. 91)

### FCS 122 PERSPECTIVES IN FAMILY AND CONSUMER SCIENCES3 Credits

The history, philosophy, and professional perspectives of the field of family and consumer sciences. Career exploration and academic planning will be explored. Lecture and discussion, onsite observations with guest lecturers. Current trends or topics and their impact on family consumer sciences fields will be discussed. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future.

### FCS 135 ALTERATION AND CONSTRUCTION TECHNIQUES2 Credits

Adaptation of commercial patterns as well as custom-fitting techniques for ready-made items are incorporated in this course. The processes of sewing technologies, including selection and use of equipment, patterns, fabrics, notions, and fundamental techniques are utilized. Construction techniques will be applied to apparel and home interior fashions. Elements and principles of design will be analyzed and applied. Design and construction trends will also be explored. Discussion will occur on current trends or topics and their impact, especially focusing on the future. Natural and man-made fibers, yarns, and methods of fabrication, fabric finishes, and their performances. Legislation, merchandizing, and consumer issues are also investigated.

**Co-requisites:** FCS 135L

**Requirements:** Additional laboratory fees are associated.

**FCS 135L ALTERATIONS AND CONSTRUCTION LABORATORY1 Credit**

Construction techniques will be applied to apparel and home interior fashions. Elements and principles of design will be analyzed and applied. Design and construction trends will be explored. Discussion will occur on current trends or topics and their impact, especially focusing on the future. Laboratory investigation, identification, and analysis of fibers, yarns, fabrics and finishes will be conducted. Experiments, testing, and design of textiles, fibers, yarns, weaving, knitting, and/or finishes are methodologies employed.

**Co-requisites:** FCS 135

**Requirements:** Additional laboratory fees are associated.

**FCS 136 FOOD SCIENCE2 Credits**

This course will explore the science of food by examining the basic chemistry of carbohydrates, proteins and lipids. This course will provide students the opportunity to examine food in scientific terms and test theoretical principles using the scientific method of observation, measurement, recording, reasoning and reporting. In a laboratory setting students will apply their knowledge and skills to observe, measure, record, control and modify the chemical and physical properties of food. Students will examine chemical reactions and key chemical compounds that relate to oxidative and structural changes in food, as well as food quality.

**Essential Studies:** SLO #6

**Co-requisites:** FCS 136L

**FCS 136L FOOD SCIENCE LABORATORY1 Credit**

This course must be taken in conjunction with FCS 136 Food Science. Student will gain lab experience in applying principles of food science.

**Essential Studies:** SLO #6

**Co-requisites:** FCS 136

**Requirements:** Lab fee required for this course.

**FCS 139 HUMAN DEVELOPMENT3 Credits**

Human development from conception through adulthood is analyzed from physiological, cognitive, and socio-emotional perspectives. Emphasis is on wellness throughout the lifespan. A combination of lecture, practical application and observation of the stages of development are incorporated.

**FCS 149 BASIC HEALTH CARE2 Credits**

This course provides essential knowledge and skills related to basic health care and skills for families and residents/clients of public and private healthcare facilities. Topics will include resident rights, communication, safety, observation, reporting and assisting resident/clients in maintaining basic comfort and safety. Upon completion of the course, students will demonstrate skill competency and take the written/oral examination to meet training requirements of the federal and State of Nebraska law for nursing assistants working in licensed facilities. Lecture and lab.

**Co-requisites:** FCS 149L

**Requirements:** Additional laboratory fees.

**FCS 149L BASIC HEALTH CARE LABORATORY1 Credit**

This course provides essential knowledge and skills related to basic health care and skills for families and residents/clients of public and private healthcare facilities. Topics will include resident rights, communication, safety, observation, reporting and assisting resident/clients in maintaining basic comfort and safety. Upon completion of the course, students will demonstrate skill competency and take the written/oral examination to meet training requirements of the federal and State of Nebraska law for nursing assistants working in licensed facilities. Lecture and lab.

**Co-requisites:** FCS 149

**Requirements:** Additional laboratory fees.

**FCS 160 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**FCS 224 HOUSING AND INTERIOR DESIGN3 Credits**

Architectural and interior design elements and principles as related to residential and commercial applications including furnishing and finishing materials and treatments. Blueprint reading, floor plan modification and design are explored. Elements and principles of design are incorporated as well as the business of design. Design and construction trends will also be explored. Discussion will occur on current trends or topics and their impact on individuals and families, especially focusing on the future. Natural and man-made fibers, yarns, and methods of fabrication, fabric finishes, and their performances. Legislation, merchandizing, and consumer issues are also investigated.

**FCS 225 ADOLESCENT DEVELOPMENT3 Credits**

Adolescence covers the span of life between the ages of 11 and 19. Throughout the course, students will gain knowledge and skill in the identification of characteristics, developmental and theoretical principles associated with early, middle and late adolescence. Practical application experiences will provide opportunities for the exploration of content knowledge and understanding associated with the developmental process.

**FCS 233 FAMILIES IN SOCIETY3 Credits**

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.

**Essential Studies:** SLO #10

**FCS 234 INTRODUCTION TO HEALTH AND HUMAN SERVICES3 Credits**

Exploration of careers within various health and human services areas. This course provides awareness, information, and competencies necessary to facilitate entry into the health and human services. Topics of study include organizational management, planning service to clients, need analysis, and principles of health and human services.

**FCS 236 FOOD AND MEALS ACROSS THE LIFESPAN2 Credits**

The primary focus of this course is to combine the science of nutrition and the art of cooking to create healthy foods and meals that satisfy hunger, the palate and the eye. Chemical composition of food, preparation, principles and techniques for the retention of nutrition, appearance, and flavor will also be covered. In our lab sessions, we will apply principles of safety, nutrition, and wellness to enhance individual and family health.

**Co-requisites:** FCS 236L

**Requirements:** Additional laboratory fees associated.

**FCS 236L FOODS & MEALS ACROSS THE LIFESPAN LAB1 Credit**

The primary focus of this course is to combine the science of nutrition and the art of cooking to create healthy foods and meals that satisfy hunger, the palate and the eye. Chemical composition of food, preparation, principles and techniques for the retention of nutrition, appearance, and flavor will also be covered. In our lab sessions, we will apply principles of safety, nutrition, and wellness to enhance individual and family health. Lecture and lab.

**Co-requisites:** FCS 236

**Requirements:** Additional laboratory fees associated.

**FCS 239 PARTNERS IN EDUCATION3 Credits**

The content of the course examines theory, principles, methodology and practical techniques for creating optimal working relationships which empower and strengthen partnerships among individuals, families, and communities. Students will gain an understanding of the process involved with establishing natural, inclusive environments effective relationships with schools and community based programs through service-learning and family stories.

**FCS 247 NUTRITION3 Credits**

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.

**Essential Studies:** SLO #11

**FCS 270 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.

**FCS 314 FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. This course will cover different trends and topics each year, and will change letters in a four year rotation (314A, 314B . . .).

**Notes:** The course may be repeated for up to a total of four credit hours.

**FCS 314A FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Sophomore or above status

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D.

**FCS 314B FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students in 314B, juniors 314C, and seniors 314D.

**FCS 314C FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Junior or above status

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D.

**FCS 314D FUTURE FOCUS1 Credit**

Using the critical science perspective, discussion of current topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Senior status

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D.

**FCS 320 AGING AND DEATH3 Credits**

The life cycle as related to aging, the dying process, aging theories, and the psychological, social, and economic dimensions of bereavement are examined in this course of study. Emphasis will be placed on the economic and social needs of individuals involved with an aging and dying person. A service learning project is incorporated in the design of this course.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**FCS 321A CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION2 Credits**

Students will examine a variety of curriculum models and lesson plan formats and that support best practices for meeting the developmental needs of children birth to age 8, in natural, inclusive environments. Throughout the course, students will have the opportunity to apply skills in planning, organizing and developing activities, integrated into daily and weekly lesson plans and philosophical foundations will guide students as they weave knowledge base content into practical application exercises associated with early childhood environments.

**Prerequisites:** Sophomore or above status

**FCS 331 RESOURCE MANAGEMENT3 Credits**

This course involves the application of decision-making processes for planning, implementing, and evaluating the use of resources to meet individual and family goals throughout the lifespan. Time, energy, money and human capital will all be analyzed throughout the course. Resources to be addressed include selection, use, care and maintenance of equipment, clothing and housing. Wellness and quality of life issues will be considered.

**Prerequisites:** Sophomore or above status

**FCS 337 GUIDANCE TECHNIQUES IN HUMAN RELATIONS3 Credits**

Throughout this course, student will examine the strategies, principles and techniques for understanding the outcomes with effective conflict resolution and positive guidance. The content of the course will focus on identifying common behaviors, teaching social-emotional skills, examining positive guidance approaches, and developing the skills to support self-control and self-discipline in building human relations. Students will be actively engaged in field experiences developing observation skills and demonstrating best practices for the process of effectively assessing and managing behavior.

**FCS 338 PRENATAL AND INFANT PRACTICUM3 Credits**

Students will learn to utilize research methods for understanding the social, emotional, intellectual/cognitive, language, and physical development of infants and toddlers between the ages of 0 and 3, including pregnancy. Theoretical concepts, developmental ages and stages, appropriate practices and competencies for developing the necessary skills to actively engage in the growth and development process of infants and toddlers. Students will be actively engaged in practicum experiences that integrate content knowledge, skills and competencies through observation and practical laboratory experiences. Students must complete a minimum of 30 contact hours working with infants and toddlers for successful completion in the course.

**FCS 340L CURRENT TRENDS IN DESIGN1-3 Credits**

Design and construction trends will be explored in this laboratory course. The trend will be determined by the interest expressed by students as well as the commercial emphasis in the design field.

**Prerequisites:** Sophomore or above status

**Notes:** Students may enroll for 1 to 3 credits repeatable for up to 6 credit hours.

**Requirements:** This lab course will have an additional laboratory fee.

**FCS 390 INTERNSHIP IN FCS1-12 Credits**

Provides practical experience in an agency related to Family and Consumer Sciences.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Selected problems of interest to advanced students.

**Add Consent:** Instructor Consent

**Requirements:** Consent of the instructor, Academic Dean of the school, and Academic Vice President.

**FCS 417 LIFESPAN WELLNESS3 Credits**

Students will discuss current health issues and incorporate wellness practices that lead to positive personal changes in health and wellness lifestyle as well as understand the importance of a healthy lifestyle throughout the lifespan. Examination of health, history, medications, culture, ages, lifestyles, predisposed health conditions, injury/physical challenges, and the individual's goals/objectives. Students will use wellness models and developmental models as a basis for learning skills and strategies which promote a lifetime of wellness. Emphasis is on empowering students to work with individuals across the lifespan (birth through old age) in promoting optimal wellness choices.

**Essential Studies:** SLO #11

**Prerequisites:** Junior or above status

**FCS 420 LOSS ACROSS THE LIFESPAN3 Credits**

A study of the "losses" experienced by individuals and families throughout the course of life. This includes the loss of things, relationships, physical function, as well as intrapsychic loss, social loss and systemic loss. Losses and the interpretation of the effects of loss change as we progress through the life cycle. We will focus on loss and grief as it happens through life.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**Dual-listed:** FCS 520

**Notes:** The course is dual-listed with FCS 520. Essential Studies Outcome #10.

**FCS 421 ORGANIZATION, ADMINISTRATION, AND CURRICULUM OF FCS2 Credits**

An investigation into Family and Consumer Sciences departmental management and funding, community activities and relations, youth organizations, and facility/equipment maintenance. Curriculum materials will be developed.

**FCS 422 PROFESSIONAL CAREER DEVELOPMENT3 Credits**

The course will provide students an opportunity to prepare for a Professional Career using research, application and demonstration of intellectual and practical skills. Students will demonstrate an understanding of knowledge, theory, methods and historical perspectives associated with a Career and employment through application exercises. A requirement for successful completion of the capstone course is to develop and present a professional portfolio inclusive of evidence that demonstrates an ability for self-reflective, critical and creative thinking.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**FCS 423 PROGRAM DEVELOPMENT AND MANAGEMENT3 Credits**

A study of the process involved with developing and managing program operations including development of policies and procedures, funding, grant writing, organization of personnel, menu planning, assessment, marketing, technology, community relations, and family partnerships. Integrates basic principles, strategies, knowledge, and skills necessary for developing, managing and administering successful programs/organizations from pre-planning to final operation.

**Prerequisites:** Junior or above status

**FCS 427 WORKSITE WELLNESS3 Credits**

This course covers the assessment, development/design, implementation and evaluation of worksite health promotion programs and the benefits these programs have for employees, their families, employers and society. Students will review various health risk appraisals and plan theory-based incentive programs designed to promote positive lifestyles. Students will learn how to facilitate implementation and evaluation of wellness programs for individuals and worksite locations. An examination of the physical and psychological factors that affect health throughout the life cycle will be made by applying fundamental knowledge and skills of designing, planning and evaluating a basic workplace wellness programs. Students will also conduct and report on a workplace needs assessment and prepare a proposal to implement a sustainable, comprehensive and integrated workplace health and wellness program.

**Essential Studies:** SLO #9

**FCS 434 ISSUES IN HEALTH AND HUMAN SERVICES3 Credits**

Provides an opportunity to concentrate on current issues in the health and human services field including policies, programs, funding, consumer rights, and administrative issues. Significant emphasis is placed on effective grantsmanship, including writing and administering grant proposals.

**FCS 435 CONSUMER SCIENCE3 Credits**

Goods and services available to the individual and/or family including information analysis, consumer communication skills, commodity exchanges and merchandise standardization are analyzed to maximize financial wellness across the lifespan.

**Prerequisites:** Junior or above status

**FCS 436 GLOBAL FOOD SYSTEMS<sup>3</sup> Credits**

Analysis of various world-wide food patterns and associated health status as well as food production and distribution patterns around the world. Understanding and appreciation of the international perspective will be approached with critical thinking strategies. Comprehensive presentations and discussions about policies and current practices for a sustainable global food system, with a focus on developing countries included. Topics include economic policy related to nutrition, health, consumption, production, natural resource management, trade, markets, gender roles, armed conflict, and ethics. Social entrepreneurship approach, case studies as well as active participation by students will be used.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**FCS 437 FAMILY STRENGTHS<sup>3</sup> Credits**

This is an advanced study in the dynamics of successful family relationships. Investigation into the attributes of vital families which contribute toward the resolution of stressors in meaningful and positive ways. Lecture, discussion, and case study.

**Prerequisites:** Junior or above status

**FCS 440 SPECIAL TOPICS IN FAMILY AND CONSUMER SCIENCES<sup>1-6</sup> Credits**

Contemporary concepts and issues in Family and Consumer Sciences as well as attendance and participation in conferences and leadership development opportunities.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with different emphases for up to six course credits.

**FCS 447 NUTRITION FOR SPORT & WELLNESS<sup>3</sup> Credits**

A study of the nutrients and their relationship to sport and wellness. Special nutritional and training needs of athletes and all individuals who are physically active will be addressed. Major topics include the function and sources of each of the nutrients; fueling for pre-exercise, during exercise and after exercise; specific meal planning, nutrient needs for specific athletes and wellness lifestyles; and more.

**Prerequisites:** Junior or above status

**FCS 448 EARLY CHILDHOOD PRACTICUM<sup>3</sup> Credits**

An association and application of principles, theory, philosophy, methodology, structure, function, and operation of programs for young children. The course includes practical application of knowledge base principles and best practice in the development and implementation of daily and weekly unit plans, menus, environmental design and emergent curriculum for coordination of a total program. The course requires practicum time with children in laboratory a qualified early childhood setting.

**FCS 448L EARLY CHILDHOOD PRACTICUM LABORATORY<sup>1</sup> Credit**

Practicum field experience in a qualified early childhood environment under the supervision of a highly qualified educator. Additional fees will be assessed.

**Prerequisites:** Junior or above status

**Co-requisites:** FCS 448

**FCS 457 NUTRITION FOR COMMUNITY WELLNESS<sup>3</sup> Credits**

An evidence-based study of the science of nutrition and its relationship to improving public health. Focus will be on the campus-community based approach to improving health. Special emphasis will be on the relationship between nutritional epidemiology and research, policies, and programs regarding prevention and treatment as well as lifestyle and hereditary diseases.

**FCS 467 EPIDEMIOLOGY AND GLOBAL HEALTH<sup>3</sup> Credits**

This course will provide a comprehensive understanding of sources of population data in terms of morbidity, mortality, and other vital statistics. Scientific methods for approaching population data and identifying public health problems and empirical analysis of data will be emphasized. This course will provide a purposeful and applicable sense of citizenship and civic mindedness by developing a comprehensive understanding of one's personal and social responsibility in the ethical application and advocacy of public health; locally, nationally, and globally. Critical evaluation of medical and public health literature is included.

**Essential Studies:** SLO #9

**Prerequisites:** Junior or above status

## Bachelor of Arts – Comprehensive Major in Family and Consumer Sciences

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

**Note:** Students interested in entering graduate programs or seeking certification in a specialized area should consult an advisor to determine additional courses necessary to meet the pre-requisites required for entry into graduate programs. (i.e. Registered Dietician).

### FCS Core Requirements

| Code                                 | Title  | Credits      |
|--------------------------------------|--|--------------|
| Essential Studies (p. 14)            |  |              |
| FCS Core Requirements                |  |              |
| FCS 122                              | PERSPECTIVES IN FAMILY AND CONSUMER SCIENCES | 3            |
| FCS 139                              | HUMAN DEVELOPMENT                            | 3            |
| FCS 247                              | NUTRITION                                    | 3            |
| FCS 320                              | AGING AND DEATH                              | 3            |
| or FCS 420                           | LOSS ACROSS THE LIFESPAN                     |              |
| FCS 331                              | RESOURCE MANAGEMENT                          | 3            |
| FCS 422                              | PROFESSIONAL CAREER DEVELOPMENT <sup>1</sup> | 3            |
| FCS 435                              | CONSUMER SCIENCE                             | 3            |
| Select one of the following options: |  | 29-36        |
| Child and Family Studies (p. 87)     |  |              |
| Design & Merchandising (p. 88)       |  |              |
| Health and Human Services (p. 88)    |  |              |
| Nutrition and Wellness (p. 89)       |  |              |
| <b>Total Credits</b>                 |  | <b>50-57</b> |

<sup>1</sup> FCS 422 PROFESSIONAL CAREER DEVELOPMENT also serves as a Capstone course for Essential Studies

### Child and Family Studies Option

| Code                  | Title  | Credits |
|-----------------------|--|---------|
| FCS Core Requirements |  |         |
| FCS 236 & 236L        | FOOD AND MEALS ACROSS THE LIFESPAN and FOODS & MEALS ACROSS THE LIFESPAN LAB | 3       |
| FCS 337               | GUIDANCE TECHNIQUES IN HUMAN RELATIONS                                       | 3       |

|  |                               |           |
|--|-------------------------------|-----------|
| FCS 338                                  | PRENATAL AND INFANT PRACTICUM | 3         |
| FCS 239                                  | PARTNERS IN EDUCATION         | 3         |
| Select one of the following focus areas: |                               | 24        |
| Child Studies (p. 88)                    |                               |           |
| Family Studies (p. 88)                   |                               |           |
| <b>Total Credits</b>                     |                               | <b>57</b> |

### Focus Areas for Child and Family Studies Option

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

#### Child Studies Focus

| Code   | Title  | Credits   |
|--|--|-----------|
| Essential Studies (p. 14)                    |  |           |
| FCS Core Requirements                        |  | 21        |
| Major Requirements for Child & Family Option |  | 12        |
| CA 420                                       | RELATIONAL AND FAMILY COMMUNICATION                                | 3         |
| EDUC 231                                     | PLAY/ART/MUSIC FOR EARLY CHILDHOOD                                 | 3         |
| EDUC 232                                     | SCIENCE, MATH, AND SOCIAL SCIENCE FOR EARLY CHILDHOOD              | 3         |
| EDUC 233                                     | LITERATURE AND LANGUAGE ARTS PROGRAM FOR EARLY CHILDHOOD           | 3         |
| FCS 321A                                     | CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION                | 2         |
| FCS 423                                      | PROGRAM DEVELOPMENT AND MANAGEMENT                                 | 3         |
| FCS 448 & 448L                               | EARLY CHILDHOOD PRACTICUM and EARLY CHILDHOOD PRACTICUM LABORATORY | 4         |
| SPED 230                                     | INTRODUCTION TO THE EXCEPTIONAL LEARNER                            | 3         |
| <b>Total Credits</b>                         |  | <b>57</b> |

#### Family Studies Focus

| Code   | Title   | Credits   |
|--|---|-----------|
| Essential Studies (p. 14)                    |   |           |
| FCS Core Requirements                        |   | 21        |
| Major Requirements for Child & Family Option |   | 12        |
| CA 420                                       | RELATIONAL AND FAMILY COMMUNICATION           | 3         |
| FCS 390                                      | INTERNSHIP IN FCS                             | 3         |
| FCS 437                                      | FAMILY STRENGTHS                              | 3         |
| FCS 457                                      | NUTRITION FOR COMMUNITY WELLNESS              | 3         |
| CA 440                                       | GENDER AND COMMUNICATION                      | 3         |
| CTE 431                                      | INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CTE | 3         |
| FCS 233                                      | FAMILIES IN SOCIETY                           | 3         |
| LS 236                                       | FAMILY LAW                                    | 3         |
| <b>Total Credits</b>                         |   | <b>57</b> |

<sup>2</sup> Recommended elective options: HPER 332 SAFETY AND FIRST AID, HPER 429 MOTOR MOVEMENT, SPED 331 BEHAVIOR MODIFICATION AND MANAGEMENT, SPED 334 DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS, PSYC 231 EDUCATIONAL PSYCHOLOGY.

### Design & Merchandising Option

| Code                      | Title | Credits |
|---------------------------|-------|---------|
| Essential Studies (p. 14) |       |         |
| Core Requirements         |       | 21      |

|                |  |   |
|----------------|--|---|
| ART 229        | INTRO TO GRAPHIC DESIGN  | 3 |
| FCS 135 & 135L | ALTERATION AND CONSTRUCTION TECHNIQUES and ALTERATIONS AND CONSTRUCTION LABORATORY | 3 |
| FCS 224        | HOUSING AND INTERIOR DESIGN  | 3 |
| MKTG 231       | PRINCIPLES OF MARKETING  | 3 |
| BA 337         | BUSINESS LAW   | 3 |
| BIS 337        | E-COMMERCE   | 3 |
| FCS 390        | INTERNSHIP IN FCS  | 3 |

#### Electives

|                               |                                     |    |
|-------------------------------|-------------------------------------|----|
| Select four of the following: |                                     | 12 |
| ART 298                       | ART HISTORY I SURVEY                |    |
| or ART 299                    | ART HISTORY II SURVEY               |    |
| or ART 340                    | TWENTIETH CENTURY ART               |    |
| ART 323                       | CREATIVE PHOTOGRAPHY                |    |
| ART 331                       | MIXED MEDIA                         |    |
| BA 432                        | LEGAL ASPECTS OF BUSINESS OWNERSHIP |    |
| MGMT 230                      | PRINCIPLES OF MANAGEMENT            |    |
| MKTG 331                      | SALES TECHNIQUES                    |    |
| MKTG 338                      | CONSUMER BEHAVIOR                   |    |
| MKTG 334                      | NEW PRODUCT DEVELOPMENT             |    |
| MKTG 336                      | PROMOTIONS AND ADVERTISING          |    |
| MS 330                        | MANAGEMENT AND CARE OF COLLECTIONS  |    |
| Elective Total                |                                     |    |

**Total Credits** **54**

### Health and Human Services Option

| Code                                     | Title   | Credits |
|--|---|---------|
| Essential Studies (p. 14)                |   |         |
| FCS Core Requirements                    |   | 21      |
| FCS 234                                  | INTRODUCTION TO HEALTH AND HUMAN SERVICES     | 3       |
| FCS 390                                  | INTERNSHIP IN FCS                             | 3       |
| FCS 434                                  | ISSUES IN HEALTH AND HUMAN SERVICES           | 3       |
| CTE 431                                  | INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CTE | 3       |
| LS 235                                   | ADMINISTRATIVE LAW                            | 3       |
| or LS 236                                | FAMILY LAW                                    |         |
| MATH 232                                 | APPLIED STATISTICS                            | 3       |
| or PSYC 242                              | MEASUREMENT AND RESEARCH DESIGN               |         |
| Select one of the following focus areas: |   | 11-12   |
| Health Services (p. )                    |   |         |
| Gerontology (p. )                        |   |         |

**Total Credits** **50-51**

### Focus Areas for Health and Human Services Option

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

#### Health Services Focus

| Code    | Title                          | Credits |
|---------|--------------------------------|---------|
| FCS 427 | WORKSITE WELLNESS              | 3       |
| FCS 436 | GLOBAL FOOD SYSTEMS            | 3       |
| FCS 467 | EPIDEMIOLOGY AND GLOBAL HEALTH | 3       |



|                      |                      |           |
|----------------------|----------------------|-----------|
| CA 353               | HEALTH COMMUNICATION | 3         |
| <b>Total Credits</b> |                      | <b>12</b> |

**Gerontology Focus**

| Code                 | Title                                     | Credits   |
|----------------------|---|-----------|
| FCS 437              | FAMILY STRENGTHS                          | 3         |
| SW 332               | SERVICES TO ELDERLY AND DIFFERENTLY ABLED | 2         |
| LS 431               | ESTATE PLANNING                           | 3         |
| CA 420               | RELATIONAL AND FAMILY COMMUNICATION       | 3         |
| <b>Total Credits</b> |   | <b>11</b> |

Note: Students pursuing this option MUST take FCS 233 FAMILIES IN SOCIETY as their Essential Studies SLO #10 requirement and CA 330 CONFLICT RESOLUTION AND MEDIATION as their Essential Studies SLO #3 requirement.

**Nutrition and Wellness Option**

| Code                      | Title  | Credits   |
|---------------------------|--|-----------|
| Essential Studies (p. 14) |  |           |
| FCS Core Requirements     |  | 21        |
| CA 353                    | HEALTH COMMUNICATION   | 3         |
| FCS 236 & 236L            | FOOD AND MEALS ACROSS THE LIFESPAN and FOODS & MEALS ACROSS THE LIFESPAN LAB | 3         |
| FCS 390                   | INTERNSHIP IN FCS  | 3         |
| FCS 417                   | LIFESPAN WELLNESS  | 3         |
| FCS 427                   | WORKSITE WELLNESS  | 3         |
| FCS 447                   | NUTRITION FOR SPORT & WELLNESS   | 3         |
| FCS 457                   | NUTRITION FOR COMMUNITY WELLNESS   | 3         |
| FCS 467                   | EPIDEMIOLOGY AND GLOBAL HEALTH   | 3         |
| HPER 336                  | FITNESS EVALUATION AND EXERCISE PRESCRIPTION                                 | 3         |
| MATH 232 or PSYC 242      | APPLIED STATISTICS MEASUREMENT AND RESEARCH DESIGN                           | 3         |
| <b>Total Credits</b>      |  | <b>51</b> |

Note: Students interested in entering graduate programs in Dietetics, Public Health, Exercise Science or other medical careers should consult an advisor to determine additional courses necessary to meet the pre-requisites required for entry into graduate programs. (i.e. Registered Dietician).

**Bachelor of Science - Education - Field Endorsement in Family and Consumer Sciences (Grades 6-12)**

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

| Code  | Title   | Credits |
|---|---|---------|
| Essential Studies (p. 14)   |   |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |   |         |
| CTE 434   | PRINCIPLES AND PHILOSOPHY OF CAREER AND TECHNICAL EDUCATION | 3       |

|                      |  |           |
|----------------------|--|-----------|
| CTE 438              | COORDINATION TECHNIQUES/WORK BASED LEARNING  | 3         |
| FCS 122              | PERSPECTIVES IN FAMILY AND CONSUMER SCIENCES                                       | 3         |
| FCS 135 & 135L       | ALTERATION AND CONSTRUCTION TECHNIQUES and ALTERATIONS AND CONSTRUCTION LABORATORY | 3         |
| FCS 139              | HUMAN DEVELOPMENT  | 3         |
| FCS 224              | HOUSING AND INTERIOR DESIGN  | 3         |
| FCS 225              | ADOLESCENT DEVELOPMENT   | 3         |
| FCS 233              | FAMILIES IN SOCIETY  | 3         |
| FCS 236 & 236L       | FOOD AND MEALS ACROSS THE LIFESPAN and FOODS & MEALS ACROSS THE LIFESPAN LAB       | 3         |
| FCS 247              | NUTRITION  | 3         |
| FCS 320 or FCS 420   | AGING AND DEATH LOSS ACROSS THE LIFESPAN   | 3         |
| FCS 331              | RESOURCE MANAGEMENT  | 3         |
| FCS 417              | LIFESPAN WELLNESS  | 3         |
| FCS 421              | ORGANIZATION, ADMINISTRATION, AND CURRICULUM OF FCS                                | 2         |
| FCS 422              | PROFESSIONAL CAREER DEVELOPMENT  | 3         |
| FCS 435              | CONSUMER SCIENCE   | 3         |
| FCS 437              | FAMILY STRENGTHS   | 3         |
| <b>Total Credits</b> |  | <b>50</b> |

<sup>1</sup> EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently.

**Bachelor of Science - Education - Middle Level Education Academic Area in Family and Consumer Sciences (Grades 5-9)**

A student must complete the following program in addition to the Essential Studies, Professional Education, Middle Grades requirements.

| Code  | Title  | Credits |
|---|--|---------|
| Essential Studies (p. 14)   |  |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/middle-level-education/">http://catalog.csc.edu/middle-level-education/</a> ) |  |         |
| FCS 139   | HUMAN DEVELOPMENT  | 3       |
| FCS 135 & 135L or FCS 224   | ALTERATION AND CONSTRUCTION TECHNIQUES and ALTERATIONS AND CONSTRUCTION LABORATORY HOUSING AND INTERIOR DESIGN | 3       |
| FCS 236 & 236L  | FOOD AND MEALS ACROSS THE LIFESPAN and FOODS & MEALS ACROSS THE LIFESPAN LAB                                   | 3       |
| FCS 225   | ADOLESCENT DEVELOPMENT   | 3       |
| FCS 247   | NUTRITION  | 3       |
| FCS 331 or FCS 435  | RESOURCE MANAGEMENT CONSUMER SCIENCE   | 3       |
| FCS 417   | LIFESPAN WELLNESS  | 3       |

|                      |                  |           |
|----------------------|------------------|-----------|
| FCS 437              | FAMILY STRENGTHS | 3         |
| <b>Total Credits</b> |                  | <b>24</b> |

## Bachelor of Science with a Comprehensive Major in Nutrition and Dietetics

Students must complete the courses listed below in addition to the Essential Studies Program.

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| NTR 110              | INTRODUCTION TO NUTRITION AND ALLIED HEALTH PROFESSIONS                  | 2         |
| NTR 210              | COMPLEMENTARY AND ALTERNATIVE MEDICINE                                   | 3         |
| NTR 250 & 250L       | FOOD SERVICE AND HOSPITALITY and FOOD SERVICE AND HOSPITALITY LABORATORY | 4         |
| NTR 260              | LIFECYCLE NUTRITION  | 3         |
| NTR 300              | NUTRITION AND METABOLISM   | 3         |
| NTR 310              | MICRONUTRIENT METABOLISM   | 3         |
| NTR 320              | NUTRITION EDUCATION AND COUNSELING                                       | 3         |
| NTR 450              | MEDICAL NUTRITION THERAPY I  | 3         |
| NTR 460              | MEDICAL NUTRITION THERAPY II   | 3         |
| FCS 136              | FOOD SCIENCE   | 2         |
| FCS 136L             | FOOD SCIENCE LABORATORY  | 1         |
| FCS 247              | NUTRITION  | 3         |
| FCS 436              | GLOBAL FOOD SYSTEMS  | 3         |
| FCS 447              | NUTRITION FOR SPORT & WELLNESS   | 3         |
| FCS 457              | NUTRITION FOR COMMUNITY WELLNESS   | 3         |
| BIOL 101             | GENERAL BIOLOGY I  | 3         |
| BIOL 101L            | GENERAL BIOLOGY I LABORATORY   | 1         |
| BIOL 132             | MEDICAL TERMINOLOGY  | 2         |
| BIOL 240             | ANATOMY AND PHYSIOLOGY I   | 3         |
| BIOL 240L            | ANATOMY AND PHYSIOLOGY I LABORATORY                                      | 1         |
| BIOL 241             | MICROBIOLOGY   | 3         |
| BIOL 241L            | MICROBIOLOGY LABORATORY  | 1         |
| BIOL 242             | ANATOMY AND PHYSIOLOGY II  | 3         |
| BIOL 242L            | ANATOMY AND PHYSIOLOGY II LABORATORY                                     | 1         |
| CHEM 131             | COLLEGE CHEMISTRY I  | 3         |
| CHEM 131L            | COLLEGE CHEMISTRY I LABORATORY   | 1         |
| CHEM 132             | COLLEGE CHEMISTRY II   | 3         |
| CHEM 132L            | COLLEGE CHEMISTRY II LABORATORY  | 1         |
| CHEM 231             | SURVEY OF ORGANIC CHEMISTRY  | 3         |
| CHEM 231L            | SURVEY OF ORGANIC CHEMISTRY LABORATORY                                   | 1         |
| CHEM 335             | BIOCHEMISTRY I   | 3         |
| CHEM 335L            | BIOCHEMISTRY LABORATORY  | 1         |
| MATH 232             | APPLIED STATISTICS   | 3         |
| MGMT 340             | US HEALTHCARE SYSTEMS: ORGANIZATION AND DELIVERY                         | 3         |
| PSYC 131             | INTRODUCTION TO PSYCHOLOGICAL SCIENCES                                   | 3         |
| <b>Total Credits</b> |  | <b>85</b> |

## Bachelor of Science – Education – Early Childhood Inclusive Field Endorsement (Birth through Grade 3)

### Bachelor of Science - Education - Early Childhood Inclusive Field Endorsement (Birth through Grade 3)

For information regarding the Early Childhood Inclusive Field Endorsement (Birth through Grade 3) please see the appropriate page in Special Education (p. 161).

### Supplemental Endorsement in Early Childhood Education (Age 3 through Grade 3)

For information regarding the Supplemental Endorsement in Early Childhood Education (Age 3 through Grade 3) please see the appropriate page in Education (p. 71).

## Child and Family Minor

| Code                 | Title                                  | Credits   |
|----------------------|--|-----------|
| FCS 139              | HUMAN DEVELOPMENT                      | 3         |
| FCS 337              | GUIDANCE TECHNIQUES IN HUMAN RELATIONS | 3         |
| FCS 338              | PRENATAL AND INFANT PRACTICUM          | 3         |
| FCS 320              | AGING AND DEATH                        | 3         |
| FCS 331              | RESOURCE MANAGEMENT                    | 3         |
| FCS 437              | FAMILY STRENGTHS                       | 3         |
| <b>Total Credits</b> |  | <b>18</b> |

## Gerontology Minor

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| CA 353                       | HEALTH COMMUNICATION                               | 3         |
| or CA 420                    | RELATIONAL AND FAMILY COMMUNICATION                |           |
| Select one of the following: |  | 3         |
| FCS 320                      | AGING AND DEATH                                    |           |
| FCS 149 & 149L               | BASIC HEALTH CARE and BASIC HEALTH CARE LABORATORY |           |
| FCS 417                      | LIFESPAN WELLNESS                                  | 3         |
| FCS 420                      | LOSS ACROSS THE LIFESPAN                           | 3         |
| FCS 437                      | FAMILY STRENGTHS                                   | 3         |
| LS 431                       | ESTATE PLANNING                                    | 3         |
| SW 332                       | SERVICES TO ELDERLY AND DIFFERENTLY ABLED          | 2         |
| <b>Total Credits</b>         |  | <b>20</b> |

## Hospitality Minor

| Code    | Title                             | Credits |
|---------|-----------------------------------|---------|
| CA 330  | CONFLICT RESOLUTION AND MEDIATION | 3       |
| CA 339  | EVENT PLANNING AND LEADERSHIP     | 3       |
| FCS 390 | INTERNSHIP IN FCS                 | 3       |
| FCS 427 | WORKSITE WELLNESS                 | 3       |

|                      |                                  |           |
|----------------------|----------------------------------|-----------|
| FCS 436              | GLOBAL FOOD SYSTEMS              | 3         |
| FCS 457              | NUTRITION FOR COMMUNITY WELLNESS | 3         |
| MKTG 231             | PRINCIPLES OF MARKETING          | 3         |
| <b>Total Credits</b> |                                  | <b>21</b> |

## Nutrition and Wellness Minor

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| Select one of the following: |  |           |
| FCS 136 & 136L               | FOOD SCIENCE and FOOD SCIENCE LABORATORY                                     | 3         |
| FCS 236 & 236L               | FOOD AND MEALS ACROSS THE LIFESPAN and FOODS & MEALS ACROSS THE LIFESPAN LAB | 3         |
| FCS 247                      | NUTRITION  | 3         |
| FCS 417                      | LIFESPAN WELLNESS  | 3         |
| FCS 427                      | WORKSITE WELLNESS  | 3         |
| FCS 447                      | NUTRITION FOR SPORT & WELLNESS   | 3         |
| FCS 457                      | NUTRITION FOR COMMUNITY WELLNESS   | 3         |
| <b>Total Credits</b>         |  | <b>18</b> |

## Public Health Promotion and Education Minor

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| MKTG 231             | PRINCIPLES OF MARKETING                       | 3         |
| HPER 236             | HEALTH TOPICS                                 | 3         |
| FCS 234              | INTRODUCTION TO HEALTH AND HUMAN SERVICES     | 3         |
| CTE 431              | INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CTE | 3         |
| FCS 434              | ISSUES IN HEALTH AND HUMAN SERVICES           | 3         |
| FCS 437              | FAMILY STRENGTHS                              | 3         |
| <b>Total Credits</b> |   | <b>18</b> |

## Textiles and Design Minor

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| ART 237              | FIBER ARTS I   | 3         |
| ART 331              | MIXED MEDIA  | 3         |
| FCS 135 & 135L       | ALTERATION AND CONSTRUCTION TECHNIQUES and ALTERATIONS AND CONSTRUCTION LABORATORY | 3         |
| FCS 224              | HOUSING AND INTERIOR DESIGN  | 3         |
| FCS 331              | RESOURCE MANAGEMENT  | 3         |
| MKTG 231             | PRINCIPLES OF MARKETING  | 3         |
| <b>Total Credits</b> |  | <b>18</b> |

## Supplemental Endorsement in Health Sciences (Grade 6-12)

This endorsement requires an applicant to hold, or earn concurrently, a subject or field endorsement in: Science, Biology, Health and Physical Education, Physical Education, Health Education, Agriculture, or Family and Consumer Sciences.

| Code                 | Title   | Credits      |
|----------------------|---|--------------|
| BIOL 121 & 121L      | HUMAN BIOLOGY and HUMAN BIOLOGY LABORATORY                  | 3            |
| CTE 434              | PRINCIPLES AND PHILOSOPHY OF CAREER AND TECHNICAL EDUCATION | 3            |
| CTE 452              | PROGRAM DEVELOPMENT, IMPLEMENTATION AND ASSESSMENT          | 3            |
| or CTE 438           | COORDINATION TECHNIQUES/WORK BASED LEARNING                 |              |
| FCS 149 & 149L       | BASIC HEALTH CARE and BASIC HEALTH CARE LABORATORY          | 2-3          |
| or HPER 332          | SAFETY AND FIRST AID  |              |
| FCS 225              | ADOLESCENT DEVELOPMENT                                      | 3            |
| FCS 234              | INTRODUCTION TO HEALTH AND HUMAN SERVICES                   | 3            |
| FCS 390              | INTERNSHIP IN FCS   | 3            |
| or CTE 390           | INTERNSHIP IN CTE   |              |
| FCS 422              | PROFESSIONAL CAREER DEVELOPMENT                             | 3            |
| FCS 457              | NUTRITION FOR COMMUNITY WELLNESS                            | 3            |
| HPER 232             | APPLIED EXERCISE PHYSIOLOGY                                 | 3            |
| or HPER 336          | FITNESS EVALUATION AND EXERCISE PRESCRIPTION                |              |
| <b>Total Credits</b> |   | <b>29-30</b> |

## Health, Physical Education, and Recreation

### Mission – Sport, Fitness and Recreation Management

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, Community and Adventure Recreation, 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 – Sport, Fitness and Recreation Management

- Participate in scholarly activities and services that promote student development by encouraging professional involvement, community service, certification, and lifelong learning.
- Develop an understanding of and be able to develop effective leadership styles to successfully enter management positions in the field of sports and 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, Community and Adventure Recreation, Recreation, and Leisure Services.
- Develop a knowledge base and the skills necessary to participate in lifelong recreational activities.
- Develop an understanding of and be able to contribute to the enhancement in the overall quality of life for participants in the field of sport and recreation.

- Design and outline outcomes for the development of a recreation program for their specific field.
- Gain a basic knowledge regarding legal liability, which is necessary to provide a safe and productive environment for participants in the field of sport and recreation.
- Develop an understanding of the importance and general principles of proper fiscal management in sport and recreational programs.

## Mission – Physical Education

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

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

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

- Demonstrate an understanding a common and specialized content, and scientific and theoretical foundations for the delivery of an effective preK-12 physical education program.
- Demonstrate physical literacy and skillful performance in physical education content areas and health-enhancing levels of fitness.
- Apply content and foundational knowledge to plan and implement developmentally appropriate learning experiences aligned with local, state and/or SHAPE America National Standards and Grade-level outcomes for K-12 Physical Education through the effective use of resources, accommodations and/or modifications, technology and metacognitive strategies to address the diverse needs of all students.
- Engage students in meaningful learning experiences through effective use of pedagogical skills utilizing communication, feedback, and instructional and managerial skills to enhance learning.
- Implement appropriate assessments to monitor students' progress and guide decision making related to instruction and learning.
- Demonstrate behaviors essential to becoming effective professionals. Candidates will exhibit professional ethics and culturally competent practices; seek opportunities for continued professional development, and demonstrate knowledge of promotion/advocacy strategies for physical education and expanded physical activity opportunities that support the development of physically literate individuals.

## Student Learning Outcomes – Physical Education

1. Describe and apply common and specialized content knowledge for teaching preK-12 physical education.
2. Demonstrate competency in all fundamental motor skills, as well as skillful performance in at least four physical education content areas (e.g. games and sports, aquatics, dance and rhythmic activities, fitness activities, outdoor pursuits, individual-performance activities).
3. Plan and implement appropriate (e.g., measureable, developmentally appropriate, performance-based) short- and long-term plan objectives and assessments that are aligned with local, state and/or *SHAPE America National Standards and Grade-Level Outcomes for K-12 Physical Education*.

4. Plan for and manage resources to provide active, fair and equitable learning experiences.
5. Plan and implement individualized instruction for diverse student needs, adding specific accommodations and/or modifications for all students.
6. Evaluate the changing dynamics of the learning environment and adjust instructional tasks as needed to further student progress.
7. Engage in behavior that reflects professional ethics, practice, and cultural competence.
8. Engage in continued professional growth and collaboration in schools and/or professional organizations.

## Mission – Health Education

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

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

- Demonstrate an understanding of health education content, health literacy skills, digital literacy skills, theoretical foundations of behaviors change and learning, and applicable preK-12 health education standards for the purpose of instilling healthy behaviors in all learners.
- Plan relevant and meaningful school health education instruction and programs that are sequential and aligned with appropriate preK-12 health education standards.
- Implement a range of school health education instructional strategies, while incorporating technology, to support student learning regardless of race, ethnic origin, gender, gender identity, sexual orientation, religion, cognitive ability or physical ability.
- Demonstrate communication skills and feedback equitably and use reflective practice strategies to meet the diverse needs of all learners.
- Utilize multiple methods of assessment to plan instruction, engage all learners, monitor learner progress, provide meaningful feedback, and reflect on and adjust units and lessons to enhance the acquisition of functional health knowledge and health-related skill proficiency for all learners.
- Collaborate with all stakeholders, demonstrate ethical behavior, and engage in and reflect on professional learning opportunities in order to meet the diverse needs of all learners.
- Communicate with stakeholders and advocate for school health education as an integral component of the school experience.

## Student Learning Outcomes – Health Education

1. Analyze local and/or state standards, as well as the National Health Education Standards, to determine how the standards contribute to healthy behaviors in learners.

2. Design a logical scope and sequence of meaningful, comprehensive and challenging learning experiences that meet the diverse needs of all learners.
3. Construct measurable, developmentally appropriate, performance-based objectives that are aligned with local and/or state standards, as well as the National Health Education Standards.
4. Plan instruction and use a variety of instructional strategies that facilitates skill development and application of functional health knowledge for all learners, adding accommodations and/or modifications specific to individual learners.
5. Implement instructional and assessment strategies that support all learners regardless of race, ethnic origin, gender, gender identity, sexual orientation, religion, cognitive ability or physical ability, in order to create and sustain a productive, inclusive and supportive learning environment.
6. Apply communication skills, feedback and classroom management strategies equitably to promote a safe, inclusive and supportive learning environment that meets the diverse needs of all learners.
7. Analyze and select assessment strategies, tools and technologies to determine their appropriateness for enhancing learning among all students.
8. Collaborate with a variety of stakeholders to meet the diverse needs of all learners and to enhance school health programs.
9. Participate in ongoing, meaningful learning opportunities that are aligned with their professional needs, and they remain current with evolving technologies in order to meet the diverse needs of all learners, as well as the needs of the school and the community.
10. Demonstrate applicable communication strategies and use of instructional learning technologies within the school and community.

- Bachelor of Arts – Sport, Fitness and Recreation Management (p. 96)
- Bachelor of Science - Education - Field Endorsement in Health and Physical Education (Grades PK-12) (p. 97)
- Bachelor of Science - Education - Subject Endorsement in Physical Education (Grades PK-6) (p. 98)
- Bachelor of Science - Education - Subject Endorsement in Physical Education (Grades 7-12) (p. 98)
- Bachelor of Science - Education - Subject Endorsement in Health Education (Grades 7-12) (p. 98)
- Bachelor of Science - Education - Middle Level Education Academic Area in Health and Physical Education (Grades 5-9) (p. 98)
- Supplemental Endorsement in Coaching (Grades 7-12) (p. 99)
- Community and Adventure Recreation (p. 99)
- Fitness and Wellness (p. 99)
- Sports Leadership (p. 99)

#### **HPER 102 SHOOTING ACTIVITIES3 Credits**

The Shooting Activities course will expose students to the necessary rules and participation skills for a variety of shooting activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Shooting activities may include but not be limited to archery, trap, riflery, paintball, skeet, etc.

#### **HPER 105 ADULT COMMUNITY RECREATION1 Credit**

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

#### **HPER 107 INDIVIDUAL SPORT ACTIVITIES3 Credits**

The Individual Sport Activities course will expose students to the necessary playing rules and participation skills for a variety of individual sports, which will allow for positive lifestyle changes through the involvement in lifelong activities. Individual Sport Activities may include but not be limited to, bowling, golf, tennis, racquetball, frisbee golf, etc.

**Essential Studies:** SLO #11

#### **HPER 108 FITNESS ACTIVITIES3 Credits**

The Fitness Activities course will expose students to the necessary rules and skills for a variety of lifetime fitness activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Fitness Activities may include but not be limited to, aerobics, weight training, physical fitness, fitness testing, pilates, etc.

**Essential Studies:** SLO #11

#### **HPER 111 SOCIAL DANCE ACTIVITIES3 Credits**

The Social Dance course will expose students to the history of dance, various styles of dance, and the acquisition of a variety of developmental dance steps to successfully participate in a social dance setting. This will allow for positive lifestyle changes through the involvement in lifelong activities. Social Dance may include but not be limited to a wide variety of cultural dances such as; Folk Dance, Latin Dance, Round and Square Dance, Ballroom Dance, and Country Western Swing/Line Dance.

**Essential Studies:** SLO #11

#### **HPER 120 OUTDOOR ACTIVITIES3 Credits**

The Outdoor Activities course will expose students to the necessary rules and participation skills for a variety of outdoor adventure activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Outdoor Adventure Activities may include but not be limited to canoeing, fishing, hiking, mountain biking, cross country skiing, etc.

**Essential Studies:** SLO #11

#### **HPER 122 FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION1 Credit**

Overview of latest thinking and research that form the foundations of Health and Physical Education and exploration of career preparation and opportunities in the field.

#### **HPER 134 INTRODUCTION TO ATHLETIC TRAINING1 Credit**

Prevention and basic first aid skills necessary to manage common injuries associated with sports, as well as provide techniques in emergency life support.

**Notes:** This course will not fulfill any requirements for departmental endorsements.

#### **HPER 200 INDEPENDENT STUDY OR RESEARCH1-4 Credits**

Designed to permit students to participate in more individual investigations and individualized courses of study.

**Add Consent:** Instructor Consent

**Requirements:** Permission of Academic Dean and Department Chair.

#### **HPER 204 TRAINING METHODS3 Credits**

Exploring the techniques involved in properly performing and instructing training methods in the field of strength and conditioning. Training methods will include resistance training, plyometrics, speed and agility training, flexibility, and proper warm-up and cool down techniques.

#### **HPER 207 TEAM SPORTS ACTIVITIES3 Credits**

The Team Sports Activities course will expose students to the necessary playing rules and participation skills for a variety of team sports, which will allow for positive lifestyle changes through involvement in the provided lifelong activities.

**Essential Studies:** SLO #11

**HPER 209 ADVANCED FITNESS ACTIVITIES<sup>3</sup> Credits**

The Advanced Fitness Activities course will expose students to the necessary rules and skills for a variety of lifetime fitness activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Advanced Fitness Activities may include but not be limited to advanced strength training, powerlifting, Ironman training, triathlon training, etc.

**HPER 220 THEORY AND PSYCHOLOGY OF COACHING<sup>3</sup> Credits**

Principles necessary to become a successful coach which will include philosophical, sociological and psychological aspects. Coaching theories, seasonal planning, practice planning, training methods, communication, and other common coaching issues will be discussed.

**HPER 221 RECREATION PROGRAMMING<sup>3</sup> Credits**

History and objectives of special camps and the responsibilities of the camp counselor. The planning and administration of camp activities to include diverse populations. This course is designed to help students understand ways to ensure recreation leisure activities are accessible to all members in the community they serve.

**HPER 232 APPLIED EXERCISE PHYSIOLOGY<sup>3</sup> Credits**

Detailed work on the skeletal muscular system with direct application to movement, stretching and strengthening of the skeletal muscles. Study of the nervous, skeletal, muscular, circulatory, and respiratory systems of the body as it applies to, and is affected by exercise.

**HPER 233 PERSONAL HEALTH/WELLNESS<sup>3</sup> Credits**

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.

**Essential Studies:** SLO #11

**HPER 234 INTRODUCTION TO SPORT AND RECREATION MANAGEMENT<sup>3</sup> Credits**

Discusses basic concepts and philosophies of recreation, leisure, and sport. Explores student success strategies and employment opportunities in the field of recreation. Provides practical experience in designing, organizing, and conducting a variety of recreational activities.

**HPER 236 HEALTH TOPICS<sup>3</sup> Credits**

Designed to provide the Health Educator with an in-depth knowledge base in current health problems in contemporary society.

**HPER 237 ETHICAL ISSUES IN SPORT<sup>3</sup> Credits**

Review and study the ethical issues present in youth, college, and professional sport. Students will identify and discuss common ethical dilemmas faced by sport practitioners, and develop ethical decision making and moral reasoning. The positive values promoted within sport will be examined along with mindsets that can diminish these values.

**HPER 321 COACHING TECHNIQUES:FOOTBALL<sup>2</sup> Credits**

Fundamentals and coaching techniques in football.

**Prerequisites:** HPER 220 and Sophomore or above status

**HPER 322 COACHING TECHNIQUES:BASKETBALL<sup>2</sup> Credits**

Fundamentals and coaching techniques in basketball.

**Prerequisites:** HPER 220 and Sophomore or above status

**HPER 323 COACHING TECHNIQUES:VOLLEYBALL<sup>2</sup> Credits**

Fundamentals and coaching techniques in volleyball.

**Prerequisites:** HPER 220 and Sophomore or above status

**HPER 325 TEACHING INDIVIDUAL/DUAL SPORTS<sup>3</sup> Credits**

Techniques of teaching and coaching the individual and dual sports which may be taught to the recreation or public school student

**Prerequisites:** Sophomore or above status

**HPER 329 HISTORY OF PHYSICAL EDUCATION<sup>2</sup> Credits**

Introduction to the historical development of physical education from ancient to modern times.

**HPER 332 SAFETY AND FIRST AID<sup>2</sup> Credits**

Safety in and around the school and home. Includes American National Red Cross First Aid and Cardiopulmonary Resuscitation certification.

**Prerequisites:** Junior or above status

**HPER 333 LEADERSHIP IN RECREATION<sup>3</sup> Credits**

Investigation of leadership styles, sources of leader power, and various influence tactics. Emphasis will be placed on the leadership process and the relationships between the leader, follower, and the situation in various sport settings.

**Prerequisites:** HPER 234 and Sophomore or above status

**HPER 335 ADMINISTRATION OF SPORT AND RECREATION<sup>3</sup> Credits**

A study of administrative practices and their application to the field of athletics.

**Prerequisites:** Sophomore or above status

**HPER 336 FITNESS EVALUATION AND EXERCISE PRESCRIPTION<sup>3</sup> Credits**

Integrate the principles and theories of exercise physiology, kinesiology, nutrition, psychology, and measurement with application to physical fitness testing and individualized exercise program design.

**Prerequisites:** HPER 232 and Sophomore or above status

**HPER 337 RECREATION FOR DIVERSE POPULATIONS<sup>3</sup> Credits**

This course will expose students to a comprehensive review of inclusion, its history, theories and concepts, what constitutes inclusive facilities and programs and application of inclusion best practices in recreation activity areas.

**Prerequisites:** Sophomore or above status

**HPER 339 THEORY OF PHYSICAL EDUCATION K-8<sup>3</sup> Credits**

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.

**Prerequisites:** Sophomore or above status

**HPER 340 PRACTICUM IN STRENGTH AND CONDITIONING<sup>3</sup> Credits**

Practicum in Strength and Conditioning will provide students with field experience within the Chadron State College Strength and Conditioning program. The field experience will be combined with classroom discussions dealing with research and practices relevant to the strength and conditioning professional.

**Prerequisites:** HPER 209, 232, and Junior or above status

**HPER 342 GROUP FITNESS INSTRUCTION<sup>3</sup> Credits**

This course is designed to provide theoretical knowledge and practical skills in preparation for the American Council on Exercise (ACE) national certification exam in group fitness instruction. Topics include guidelines for instruction, essentials of instructor-participant relationship, principles of motivation, effective communication techniques, methods for enhancing group leadership, and the group fitness instructor's professional role.

**Prerequisites:** Sophomore or above status

**HPER 343 DIVERSITY AND INCLUSION IN SPORT<sup>3</sup> Credits**

Examines the role of cultural diversity in a successful athletic program. Topics include ethnicity and race, gender, exceptionalities, religion, sexual orientation and gender identification as they relate to sport and athletic administration. Students will develop an understanding of successful inclusion strategies for sport organizations.

**Prerequisites:** Sophomore or above status

**HPER 400 INDEPENDENT STUDY OR RESEARCH1-4 Credits**

Designed to permit students to participate in more individual investigations and individualized courses of study.

**Add Consent:** Instructor Consent

**Requirements:** Permission of Academic Dean and Department Chair required.

**HPER 422 INTRODUCTION TO ADAPTED PHYSICAL EDUCATION3 Credits**

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.

**Prerequisites:** Junior or above status

**HPER 423 COACHING TECHNIQUES:WRESTLING2 Credits**

Fundamentals and coaching techniques in wrestling.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 424 COACHING TECHNIQUES: TRACK2 Credits**

Fundamentals and coaching techniques in track.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 425 COACH TECHNIQUES:GOLF AND TENNIS2 Credits**

Fundamentals and coaching techniques in golf and tennis.

**HPER 426 COACHING TECHNIQUES: BASEBALL/SOFTBALL2 Credits**

Fundamentals and coaching techniques in baseball and softball.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 427 RHYTHMIC MOVEMENT3 Credits**

Review of rhythmic activities and the methods of teaching rhythmic movements to elementary and secondary school student. Students will learn to perform a variety of rhythmic and creative movement activities and the methods used in teaching educational dance. The students will learn fundamental and intermediate skills in gymnastics. Emphasis is placed on teaching gymnastic skills and learning proper spotting techniques.

**Prerequisites:** Junior or above status

**HPER 428 CURRICULUM IN HEALTH3 Credits**

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:** Junior or above status

**HPER 429 MOTOR MOVEMENT3 Credits**

The exploration and explanation of materials, methods, and mechanisms that underlie the learning and performance of motor skills and practical experience in designing and implementing physical education activities, which develop fundamental and sport-related movement skills.

**Prerequisites:** Junior or above status

**HPER 430 SEMINAR IN HPER3 Credits**

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.

**Prerequisites:** Junior or above status

**Notes:** The seminar may be repeated.

**HPER 431 COMMUNITY AND ENVIRONMENTAL HEALTH3 Credits**

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.

**Prerequisites:** HPER 236 and Junior or above status

**HPER 432 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION3 Credits**

The history of measurements in physical education, the selection and administration of appropriate tests, and the integration of their results by statistical procedures.

**Prerequisites:** Junior or above status

**HPER 433 ADVANCED ATHLETIC TRAINING3 Credits**

Designed for students who want to pursue a career in athletic training; required for NATA certification.

**Prerequisites:** HPER 134 and Junior or above status

**HPER 435 CURRICULUM PLANNING IN PHYSICAL EDUCATION3 Credits**

A study and evaluation of present day trends in physical education. A discussion of principles and procedures for curriculum construction and criteria for the selection of activities and judging outcomes.

**Prerequisites:** Junior or above status

**HPER 436 ADVENTURE BASED LEARNING3 Credits**

To acquaint prospective teachers and recreationists with the concepts of outdoor education. To provide a variety of experiential learning opportunities that enable students to develop knowledge and skills from direct experiences outside the traditional classroom. To better understand the use of personal leisure time in the out-of-doors.

**Prerequisites:** Junior or above status

**HPER 437 LEGAL ASPECTS OF SPORTS AND RECREATION3 Credits**

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.

**Prerequisites:** Junior or above status

**HPER 439 BIOMECHANICS OF SPORTS3 Credits**

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.

**Prerequisites:** HPER 232 and Junior or above status

**HPER 440 PREVENTION AND CARE/ATHLETIC INJURIES3 Credits**

Knowledge and practice in the care of athletic injuries and physical conditioning.

**Prerequisites:** Junior or above status

**HPER 441 COORDINATED SCHOOL HEALTH PROGRAM3 Credits**

Building on the foundation in school health education, this course will provide the knowledge and skills needed to investigate, define, design, implement and evaluate comprehensive coordinated school health programs. Focus on the health and physical activity components of the Coordinated School Health Program (CSHP) model.

**Prerequisites:** HPER 236 and Junior or above status

**HPER 442 AQUATICS AND WATER SAFETY3 Credits**

The Aquatic and Water Safety Activities course will expose students to the necessary safety rules and participation skills for a variety of aquatic activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Aquatic and water safety activities may include but not be limited to a variety of swimming techniques, lifeguard training, and water safety instruction.

**Prerequisites:** Junior or above status

**HPER 449 EVENT AND FACILITY MANAGEMENT3 Credits**

Explorations into the proper steps necessary to successfully plan and implement events associated with recreation and sport. Evaluation of the procedures utilized in the effective management of recreation and sport facilities.

**Prerequisites:** Junior or above status

**HPER 453 SPORTS OFFICIATING<sup>3</sup> Credits**

Qualifications, philosophies, principles, and techniques governing the art of officiating sports.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 454 PRINCIPLES OF PERSONAL TRAINING<sup>3</sup> Credits**

To provide students with specific, real-world information about the knowledge, skills, and expectations associated with a competent personal trainer or fitness professional. Additionally, this course is designed to prepare students for the nationally accredited National Strength and Conditioning Association Certified Personal Trainer (NSCA-CPT) certification exam.

**Prerequisites:** Junior or above status

**HPER 456 ESSENTIALS OF STRENGTH AND CONDITIONING<sup>3</sup> Credits**

Essentials of Strength and Conditioning will provide the students with an overview of strength and conditioning. Emphasis is placed on the exercise sciences (including anatomy, exercise physiology, and biomechanics) and nutrition, exercise technique, program design, organization and administration, and testing and evaluation. Additionally, this course is designed to prepare students for the nationally accredited Certified Strength and Conditioning Specialist (CSCS) certification exam.

**Prerequisites:** HPER 232 and Junior or above status

**HPER 490 INTERNSHIP IN SPORT AND RECREATION MANAGEMENT<sup>1</sup>-12 Credits**

Provides practical experience in physical education, recreation, coaching or athletic training. Interested student

**Prerequisites:** HPER 234, 332, 333, 335, 437, 440, and Junior or above status

**Add Consent:** Department Consent

**Notes:** 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.

**HPER 494 TECHNIQUES OF COACHING I<sup>3</sup> Credits**

Fundamentals and techniques of coaching football, wrestling, track and field.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 495 TECHNIQUES OF COACHING II<sup>3</sup> Credits**

Fundamentals and techniques of coaching volleyball, basketball, and baseball/softball.

**Prerequisites:** HPER 220 and Junior or above status

## Bachelor of Arts – Sport, Fitness and Recreation Management

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

| Code                      | Title   | Credits |
|---------------------------|---|---------|
| Essential Studies (p. 14) |   |         |
| Core Requirements         |   |         |
| HPER 234                  | INTRODUCTION TO SPORT AND RECREATION MANAGEMENT | 3       |
| HPER 333                  | LEADERSHIP IN RECREATION <sup>1</sup>           | 3       |
| HPER 335                  | ADMINISTRATION OF SPORT AND RECREATION          | 3       |
| HPER 337                  | RECREATION FOR DIVERSE POPULATIONS              | 3       |

|  |   |       |
|--|---|-------|
| HPER 437                                   | LEGAL ASPECTS OF SPORTS AND RECREATION        | 3     |
| HPER 440                                   | PREVENTION AND CARE/ATHLETIC INJURIES         | 3     |
| HPER 449                                   | EVENT AND FACILITY MANAGEMENT                 | 3     |
| HPER 490                                   | INTERNSHIP IN SPORT AND RECREATION MANAGEMENT | 3     |
| MKTG 231                                   | PRINCIPLES OF MARKETING                       | 3     |
| Select one of the following options:       |   | 23-30 |
| Athletic Training Preparation (p. 96)      |   |       |
| Community and Adventure Recreation (p. 96) |   |       |
| Fitness and Wellness (p. 97)               |   |       |
| Sport Leadership (p. 97)                   |   |       |
| Strength and Conditioning (p. 97)          |   |       |

**Total Credits** 50-57

<sup>1</sup> Requires a Prerequisite.

### Athletic Training Preparation Option

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| Core Requirements    |   | 27        |
| FCS 447              | NUTRITION FOR SPORT & WELLNESS                            | 3         |
| HPER 134             | INTRODUCTION TO ATHLETIC TRAINING                         | 1         |
| HPER 232             | APPLIED EXERCISE PHYSIOLOGY                               | 3         |
| HPER 332             | SAFETY AND FIRST AID                                      | 2         |
| HPER 336             | FITNESS EVALUATION AND EXERCISE PRESCRIPTION <sup>1</sup> | 3         |
| HPER 429             | MOTOR MOVEMENT  | 3         |
| HPER 439             | BIOMECHANICS OF SPORTS <sup>1</sup>                       | 3         |
| HPER 442             | AQUATICS AND WATER SAFETY                                 | 3         |
| HPER 454             | PRINCIPLES OF PERSONAL TRAINING                           | 3         |
| MATH 232             | APPLIED STATISTICS  | 3         |
| PSYC 131             | INTRODUCTION TO PSYCHOLOGICAL SCIENCES                    | 3         |
| <b>Total Credits</b> |   | <b>57</b> |

Students interested in entering into graduate programs in Athletic Training must consult with their advisor to select necessary pre-requisite courses.

### Community and Adventure Recreation Option

| Code                 | Title                               | Credits   |
|----------------------|-------------------------------------|-----------|
| Core Requirements    |                                     | 27        |
| AGRI 235             | INTRODUCTION TO WILDLIFE MANAGEMENT | 3         |
| GEOS 137             | ENVIRONMENTAL GEOLOGY               | 3         |
| HPER 102             | SHOOTING ACTIVITIES                 | 3         |
| HPER 120             | OUTDOOR ACTIVITIES                  | 3         |
| HPER 221             | RECREATION PROGRAMMING              | 3         |
| HPER 332             | SAFETY AND FIRST AID                | 2         |
| HPER 442             | AQUATICS AND WATER SAFETY           | 3         |
| HPER 436             | ADVENTURE BASED LEARNING            | 3         |
| <b>Total Credits</b> |                                     | <b>50</b> |



## Fitness and Wellness Option

| Code                 | Title                               | Credits   |
|----------------------|-------------------------------------|-----------|
| Core Requirements    |                                     | 27        |
| HPER 108             | FITNESS ACTIVITIES                  | 3         |
| HPER 232             | APPLIED EXERCISE PHYSIOLOGY         | 3         |
| HPER 233             | PERSONAL HEALTH/WELLNESS            | 3         |
| HPER 332             | SAFETY AND FIRST AID                | 2         |
| HPER 342             | GROUP FITNESS INSTRUCTION           | 3         |
| HPER 439             | BIOMECHANICS OF SPORTS <sup>2</sup> | 3         |
| HPER 442             | AQUATICS AND WATER SAFETY           | 3         |
| HPER 454             | PRINCIPLES OF PERSONAL TRAINING     | 3         |
| FCS 247              | NUTRITION                           | 3         |
| FCS 417              | LIFESPAN WELLNESS                   | 3         |
| <b>Total Credits</b> |                                     | <b>56</b> |

<sup>2</sup> Requires a Prerequisite.

Note: Students interested in entering graduate programs or seeking certification in a specialized area should consult an advisor to determine additional courses necessary to meet the pre-requisites required for entry into graduate programs.

## Sport Leadership Option

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| Core Requirements    |   | 27        |
| FCS 447              | NUTRITION FOR SPORT & WELLNESS                            | 3         |
| HPER 220             | THEORY AND PSYCHOLOGY OF COACHING                         | 3         |
| HPER 232             | APPLIED EXERCISE PHYSIOLOGY                               | 3         |
| HPER 332             | SAFETY AND FIRST AID                                      | 2         |
| HPER 336             | FITNESS EVALUATION AND EXERCISE PRESCRIPTION <sup>3</sup> | 3         |
| HPER 439             | BIOMECHANICS OF SPORTS <sup>3</sup>                       | 3         |
| HPER 453             | SPORTS OFFICIATING <sup>3</sup>                           | 3         |
| HPER 456             | ESSENTIALS OF STRENGTH AND CONDITIONING                   | 3         |
| HPER 494             | TECHNIQUES OF COACHING I <sup>3</sup>                     | 3         |
| HPER 495             | TECHNIQUES OF COACHING II <sup>3</sup>                    | 3         |
| <b>Total Credits</b> |   | <b>56</b> |

<sup>3</sup> Requires a Prerequisite.

## Strength and Conditioning Option

The Strength and Conditioning option within the Sport, Fitness and Recreation Management degree is a nationally recognized program by the National Strength and Conditioning Association (NSCA).

Students who complete the Sports, Fitness and Recreation Management/Strength and Conditioning degree must take the Strength and Conditioning certification exam administered by the NSCA.

| Code              | Title                          | Credits |
|-------------------|--------------------------------|---------|
| Core Requirements |                                | 27      |
| BIOL 121          | HUMAN BIOLOGY                  | 2       |
| BIOL 121L         | HUMAN BIOLOGY LABORATORY       | 1       |
| FCS 447           | NUTRITION FOR SPORT & WELLNESS | 3       |

|                      |   |           |
|----------------------|---|-----------|
| HPER 204             | TRAINING METHODS  | 3         |
| HPER 220             | THEORY AND PSYCHOLOGY OF COACHING                         | 3         |
| HPER 232             | APPLIED EXERCISE PHYSIOLOGY                               | 3         |
| HPER 336             | FITNESS EVALUATION AND EXERCISE PRESCRIPTION <sup>4</sup> | 3         |
| HPER 340             | PRACTICUM IN STRENGTH AND CONDITIONING                    | 3         |
| HPER 429             | MOTOR MOVEMENT <sup>4</sup>                               | 3         |
| HPER 439             | BIOMECHANICS OF SPORTS                                    | 3         |
| HPER 456             | ESSENTIALS OF STRENGTH AND CONDITIONING                   | 3         |
| <b>Total Credits</b> |   | <b>57</b> |

### Footnotes

<sup>4</sup> Requires a Prerequisite

## Bachelor of Science - Education - Field Endorsement in Health and Physical Education (Grades PK-12)

A student must complete the following program in addition to the Essential Studies and Professional Education Requirements for a Secondary Endorsement. This includes achieving minimum required scores on Praxis I and completion of CSC required Praxis II exam.

| Code  | Title   | Credits   |
|---|---|-----------|
| Essential Studies (p. 14)   |   |           |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |   |           |
| Core Requirements   |   |           |
| HPER 122  | FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION    | 1         |
| HPER 232  | APPLIED EXERCISE PHYSIOLOGY                     | 3         |
| HPER 233  | PERSONAL HEALTH/WELLNESS                        | 3         |
| HPER 236  | HEALTH TOPICS                                   | 3         |
| HPER 325  | TEACHING INDIVIDUAL/DUAL SPORTS                 | 3         |
| HPER 332  | SAFETY AND FIRST AID <sup>1</sup>               | 2         |
| HPER 339  | THEORY OF PHYSICAL EDUCATION K-8                | 3         |
| HPER 422  | INTRODUCTION TO ADAPTED PHYSICAL EDUCATION      | 3         |
| HPER 427  | RHYTHMIC MOVEMENT                               | 3         |
| HPER 428  | CURRICULUM IN HEALTH                            | 3         |
| HPER 429  | MOTOR MOVEMENT                                  | 3         |
| HPER 431  | COMMUNITY AND ENVIRONMENTAL HEALTH <sup>1</sup> | 3         |
| HPER 432  | TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION    | 3         |
| HPER 435  | CURRICULUM PLANNING IN PHYSICAL EDUCATION       | 3         |
| HPER 436  | ADVENTURE BASED LEARNING                        | 3         |
| HPER 439  | BIOMECHANICS OF SPORTS <sup>1</sup>             | 3         |
| HPER 441  | COORDINATED SCHOOL HEALTH PROGRAM <sup>1</sup>  | 3         |
| HPER 442  | AQUATICS AND WATER SAFETY <sup>1</sup>          | 3         |
| HPER 456  | ESSENTIALS OF STRENGTH AND CONDITIONING         | 3         |
| <b>Total Credits</b>  |   | <b>54</b> |

<sup>1</sup> Requires a Prerequisite.

## Bachelor of Science - Education - Subject Endorsement in Physical Education (Grades 7-12)

A student must complete the following program in addition to the Essential Studies and Professional Education Requirements. This includes achieving minimum required scores on Praxis I and completion of CSC required Praxis II exam.

| Code  | Title  | Credits   |
|---|--|-----------|
| Essential Studies (p. 14)   |  |           |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |  |           |
| Core Requirements   |  |           |
| HPER 122  | FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION | 1         |
| HPER 232  | APPLIED EXERCISE PHYSIOLOGY                  | 3         |
| HPER 325  | TEACHING INDIVIDUAL/DUAL SPORTS              | 3         |
| HPER 332  | SAFETY AND FIRST AID <sup>1</sup>            | 2         |
| HPER 422  | INTRODUCTION TO ADAPTED PHYSICAL EDUCATION   | 3         |
| HPER 427  | RHYTHMIC MOVEMENT                            | 3         |
| HPER 429  | MOTOR MOVEMENT                               | 3         |
| HPER 432  | TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION | 3         |
| HPER 435  | CURRICULUM PLANNING IN PHYSICAL EDUCATION    | 3         |
| HPER 436  | ADVENTURE BASED LEARNING                     | 3         |
| HPER 439  | BIOMECHANICS OF SPORTS <sup>1</sup>          | 3         |
| HPER 442  | AQUATICS AND WATER SAFETY                    | 3         |
| HPER 456  | ESSENTIALS OF STRENGTH AND CONDITIONING      | 3         |
| <b>Total Credits</b>  |  | <b>36</b> |

<sup>1</sup> Requires a Prerequisite.

## Bachelor of Science - Education - Subject Endorsement in Physical Education (Grades PK-6)

A student must complete the following program in addition to the Essential Studies and Professional Education Requirements, including EDUC 431C SPECIAL METHODS/HPER. This includes achieving minimum required scores on Praxis I and completion of CSC required Praxis II exam.

| Code   | Title  | Credits |
|--|--|---------|
| Essential Studies (p. 14)                                |  |         |
| Professional Education Requirements (p. 69) <sup>2</sup> |  |         |
| Core Requirements  |  |         |
| HPER 122   | FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION | 1       |

|                      |  |           |
|----------------------|--|-----------|
| HPER 232             | APPLIED EXERCISE PHYSIOLOGY                  | 3         |
| HPER 233             | PERSONAL HEALTH/WELLNESS                     | 3         |
| HPER 325             | TEACHING INDIVIDUAL/DUAL SPORTS              | 3         |
| HPER 332             | SAFETY AND FIRST AID <sup>1</sup>            | 2         |
| HPER 339             | THEORY OF PHYSICAL EDUCATION K-8             | 3         |
| HPER 422             | INTRODUCTION TO ADAPTED PHYSICAL EDUCATION   | 3         |
| HPER 427             | RHYTHMIC MOVEMENT                            | 3         |
| HPER 429             | MOTOR MOVEMENT                               | 3         |
| HPER 432             | TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION | 3         |
| HPER 439             | BIOMECHANICS OF SPORTS <sup>1</sup>          | 3         |
| <b>Total Credits</b> |  | <b>30</b> |

<sup>1</sup> Requires a Prerequisite.

<sup>2</sup> including EDUC 431C SPECIAL METHODS/HPER

## Bachelor of Science – Education – Middle Level Education Academic Area in Health and Physical Education (Grades 5-9)

The student must complete the following program in addition to 24 credit hours in one of the Core Academic Areas, the Professional Education requirements and the Essential Studies program. This includes achieving minimum required scores on Praxis I and completion of CSC required Praxis II exam. Students pursuing this major must complete HPER 233 as the SLO #11 Essential Studies requirement.

| Code  | Title  | Credits   |
|---|--|-----------|
| Essential Studies (p. 14)   |  |           |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/middle-level-education/">http://catalog.csc.edu/middle-level-education/</a> ) |  |           |
| Core Requirements   |  |           |
| HPER 232  | APPLIED EXERCISE PHYSIOLOGY                  | 3         |
| HPER 325  | TEACHING INDIVIDUAL/DUAL SPORTS              | 3         |
| HPER 339  | THEORY OF PHYSICAL EDUCATION K-8             | 3         |
| HPER 422  | INTRODUCTION TO ADAPTED PHYSICAL EDUCATION   | 3         |
| HPER 428  | CURRICULUM IN HEALTH                         | 3         |
| HPER 429  | MOTOR MOVEMENT                               | 3         |
| HPER 432  | TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION | 3         |
| HPER 435  | CURRICULUM PLANNING IN PHYSICAL EDUCATION    | 3         |
| <b>Total Credits</b>  |  | <b>24</b> |

## Bachelor of Science – Education – Subject Endorsement in Health Education (7-12)

A student must complete the following program in addition to the Essential Studies and Professional Education requirements. This includes

achieving minimum required scores on Praxis I and completion of CSC required Praxis II exam.

| Code  | Title   | Credits   |
|---|---|-----------|
| Essential Studies (p. 14)   |   |           |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |   |           |
| Core Requirements   |   |           |
| FCS 247   | NUTRITION                                       | 3         |
| HPER 122  | FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION    | 1         |
| HPER 232  | APPLIED EXERCISE PHYSIOLOGY                     | 3         |
| HPER 233  | PERSONAL HEALTH/WELLNESS                        | 3         |
| HPER 236  | HEALTH TOPICS                                   | 3         |
| HPER 332  | SAFETY AND FIRST AID <sup>1</sup>               | 2         |
| HPER 428  | CURRICULUM IN HEALTH                            | 3         |
| HPER 431  | COMMUNITY AND ENVIRONMENTAL HEALTH <sup>1</sup> | 3         |
| HPER 432  | TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION    | 3         |
| HPER 441  | COORDINATED SCHOOL HEALTH PROGRAM <sup>1</sup>  | 3         |
| HPER 456  | ESSENTIALS OF STRENGTH AND CONDITIONING         | 3         |
| <b>Total Credits</b>  |   | <b>30</b> |

<sup>1</sup> Requires a Prerequisite.

## Community and Adventure Recreation Minor

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| HPER 120             | OUTDOOR ACTIVITIES                              | 3         |
| HPER 221             | RECREATION PROGRAMMING                          | 3         |
| HPER 234             | INTRODUCTION TO SPORT AND RECREATION MANAGEMENT | 3         |
| HPER 332             | SAFETY AND FIRST AID <sup>1</sup>               | 2         |
| HPER 436             | ADVENTURE BASED LEARNING                        | 3         |
| HPER 442             | AQUATICS AND WATER SAFETY <sup>1</sup>          | 3         |
| HPER 449             | EVENT AND FACILITY MANAGEMENT                   | 3         |
| <b>Total Credits</b> |   | <b>20</b> |

<sup>1</sup> Requires a Prerequisite.

## Fitness and Wellness Minor

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| HPER 108             | FITNESS ACTIVITIES                           | 3         |
| HPER 232             | APPLIED EXERCISE PHYSIOLOGY                  | 3         |
| HPER 233             | PERSONAL HEALTH/WELLNESS                     | 3         |
| HPER 439             | BIOMECHANICS OF SPORTS <sup>1</sup>          | 3         |
| HPER 454             | PRINCIPLES OF PERSONAL TRAINING <sup>1</sup> | 3         |
| FCS 247              | NUTRITION                                    | 3         |
| FCS 417              | LIFESPAN WELLNESS                            | 3         |
| <b>Total Credits</b> |  | <b>21</b> |

<sup>1</sup> Requires a Prerequisite.

## Sports Leadership Minor

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| HPER 220             | THEORY AND PSYCHOLOGY OF COACHING                   | 3         |
| HPER 332             | SAFETY AND FIRST AID                                | 2         |
| HPER 333             | LEADERSHIP IN RECREATION                            | 3         |
| HPER 335             | ADMINISTRATION OF SPORT AND RECREATION              | 3         |
| HPER 437             | LEGAL ASPECTS OF SPORTS AND RECREATION <sup>1</sup> | 3         |
| HPER 440             | PREVENTION AND CARE/ATHLETIC INJURIES               | 3         |
| HPER 494             | TECHNIQUES OF COACHING I <sup>1</sup>               | 3         |
| or HPER 495          | TECHNIQUES OF COACHING II                           |           |
| <b>Total Credits</b> |   | <b>20</b> |

<sup>1</sup> Requires a Prerequisite.

## Supplemental Endorsement in Coaching (Grades 7-12)

A student must complete the following program in addition to a Subject or Field Endorsement, Professional Education, and Essential Studies requirements.

| Code                 | Title                                  | Credits   |
|----------------------|--|-----------|
| HPER 220             | THEORY AND PSYCHOLOGY OF COACHING      | 3         |
| HPER 332             | SAFETY AND FIRST AID <sup>1</sup>      | 2         |
| HPER 335             | ADMINISTRATION OF SPORT AND RECREATION | 3         |
| HPER 437             | LEGAL ASPECTS OF SPORTS AND RECREATION | 3         |
| HPER 440             | PREVENTION AND CARE/ATHLETIC INJURIES  | 3         |
| HPER 494             | TECHNIQUES OF COACHING I <sup>1</sup>  | 3         |
| or HPER 495          | TECHNIQUES OF COACHING II              |           |
| <b>Total Credits</b> |  | <b>17</b> |

<sup>1</sup> Requires a Prerequisite.

## History

### Mission

The History program at Chadron State College is committed to student learning. Our program's layered curriculum promotes inquiry, delivers content, develops critical thinking and promotes written and verbal skills in a learning environment that is equitable, open and pedagogically informed. The History program contributes to the vitality of the college and the region by providing an educational experience for students who are preparing for a life of thoughtful engagement in a global society.

### Student Learning Outcomes

- Historical Interpretation
  - 200 - Illustrate how historians make interpretations of the past.
  - 300 - Distinguish broad trends in historical interpretations (historiography).
  - 400 - Synthesize multiple historical interpretations.

2. Scholarly Argument
  - 200 - Identify authors' arguments.
  - 300 - Distinguish between authors' main arguments and secondary points.
  - 400 - Evaluate authors' arguments and evidence.
3. Historical Sources
  - 200 - Learn how to analyze/question a source.
  - 300 - Evaluate sources and contrast diverse and conflicting sources.
  - 400 - Formulate relationships among multiple sources.
4. Thesis Statement
  - 200 - Develop thesis statement supported by evidence using appropriate standards of evidence.
  - 300 - Create an argument, marshal evidence from multiple sources, and use endnotes, footnotes and bibliography.
  - 400 - Select problem of study, find appropriate resources, and use endnotes, footnotes, and bibliography.
5. Social Sciences
  - 200 – Demonstrate the connections among cognate social studies areas.
  - 300 - Integrate perspectives from multiple cognate social studies areas.
  - 400 - Evaluate the applicability of cognate social science areas.
6. Communication
  - Display clear and cogent written and oral communication.
  - 
  - Bachelor of Arts - History (p. 102)
  - Bachelor of Science - Education - Subject Endorsement in History (Grades 7-12) (p. 103)
  - Minor in History (p. 103)

#### **HIST 151 US HISTORY TO 18773 Credits**

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.

**Essential Studies:** SLO #8

#### **HIST 152 US HISTORY SINCE 18773 Credits**

Continuation of HIST 151, from the end of Reconstruction to the present: the emergence of modern America, the rise of the city, the growth of industry, the organization of labor, the growth of democracy and the evolution of foreign policy.

**Essential Studies:** SLO #8

#### **HIST 171 WORLD HISTORY TO 15003 Credits**

Survey of World Civilizations from the prehistoric and ancient periods to the rise of the modern era, circa 1500 with emphasis upon political, religious cultural, economic and social movements.

**Essential Studies:** SLO #7

#### **HIST 172 WORLD HISTORY SINCE 15003 Credits**

Survey of World History from 1500 to the present with emphasis upon political, religious cultural, economic and social movements.

**Essential Studies:** SLO #8

#### **HIST 210 POLITICS AND ECONOMICS3 Credits**

Analyzes the relationship between politics and economics. The class investigates this relationship by examining an array of institutions, to include the sub-national, the nation-state and the supra-national. Students will acquire knowledge of basic economic concepts and theories and develop methodological literacy needed to understand political and economic research. Further, students will understand the role of political economy in historical explanation.

**Cross-Listed:** HIST 210/PS 210

#### **HIST 220 THE GLOBAL AND IDENTITY3 Credits**

Investigation of the historical process of globalization and its effect on identity. The course places emphasis on how both connectivity and distance influenced individual and group identity, examining emigration, immigration, and the creation of diasporic communities.

#### **HIST 230 EXCHANGE AND THE ENVIRONMENT3 Credits**

Historical spatial views and perspectives of place while stressing the ongoing process of exchange among people and the environment by investigating the development of economic, scientific, and technological perspectives and concomitant knowledge creation.

#### **HIST 240 BELIEF AND CULTURE3 Credits**

Historical changes and continuities of beliefs shape human culture. The class places emphasis on changing belief systems over time; the role of religion in cultural values; the advancement of science and knowledge and their relationship with culture and the ideological norms of differing cultures.

#### **HIST 351 ANCIENT WEST3 Credits**

This course investigates the history of the West from the Neolithic through the Middle Ages with attention to Greco-Roman societies, Iron-Age Celtic and Germanic societies, and the European world(s) that emerged as the earlier cultures collided. In addition to historical works, the course analyzes the subject through cognate fields with special emphasis on anthropology.

**Cross-Listed:** HIST351/ANTH351

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

#### **HIST 352 EUROPE: RENAISSANCE TO WORLD WAR3 Credits**

Investigation of the history of Europe from the Renaissance to the early twentieth century. In addition to historical works, this course analyzes the subject through other cognate social sciences, with potential disciplines including political science, sociology, anthropology, economics, and psychology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

#### **HIST 353 EUROPE SINCE 19143 Credits**

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.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

#### **HIST 354 US COLONIAL AND EARLY REPUBLIC3 Credits**

Study of the rich variety of themes in Early America from Indian cultures to the appearance and development of European colonies in America and the evolution of these colonies through the Early Republic.

**Essential Studies:** SLO #8

**Prerequisites:** Junior or above status

**HIST 355 US IN THE NINETEENTH CENTURY3 Credits**

Traces the history of the United States in the Nineteenth Century, including the rise of sectionalism, the Civil War, Reconstruction, the Gilded Age, and the early Progressive Era.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 356 US IN THE 20TH CENTURY3 Credits**

Growth of the United States during the Twentieth Century with an emphasis on the evolution of political institutions, the United States as a world power, civil rights issues, and the main intellectual and cultural currents in this century of rapid change.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 361 NORTH AMERICAN WEST3 Credits**

North American West 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.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 362 NEBRASKA HISTORY3 Credits**

This course investigates the history of Nebraska with emphasis on geographical, social, political, and economic factors. May require field trips.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 363 AMERICAN INDIAN HISTORY3 Credits**

History of Native American and Indian peoples from tribal origins to the present. Emphasizes cultural survival and cross-cultural exchange.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 364 AMERICAN ENVIRONMENTAL HISTORY3 Credits**

History of the United States through its interactions with nature, from the colonial era to the present. In addition to examining the history of resource use, this course examines how the environment functions as a critical tool in defining cultural, political, and gender relationships among Americans.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 365 HISTORY OF CANADA3 Credits**

Political, social, and economic development of Canada from the formation of First Nations societies to the present.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 366 HISTORY OF MEXICO3 Credits**

Mexican history from Pre-Columbian times to the country's democratic transition with a focus on postindependence Mexico. Political, economic, and socio-cultural developments as shaped by domestic and international contexts will be explored.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 369 SUBJECT AND CITIZEN3 Credits**

Students will explore the historic relationship among individuals, peoples and governance. An evaluation of ancient forms of governance across diverse cultures; analysis of the development of the social contract and the connection to the modern state and an examination of both the duties and privileges historically derived from the status of subject and citizen. Stress placed on understanding the power of citizenship as well as its historic boundary creation and exclusion. Significant time spent on the evaluation of the new forms/challenges of citizenship in a globalizing world, especially the concept of global citizenship and non-nation state affiliation. By understanding the diverse and contested historical terrain of subject and citizen, students can conceptualize, problematize and navigate their own relationship to civic participation.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**HIST 370 THE POST-COLONIAL CONDITION3 Credits**

Students will investigate the post-colonial condition. Emphasis placed on the evaluation of modern colonialism's interaction with a host of differing environs and diverse human communities. The course analyzes the complex self-expressions and identities in this encounter and concentrates on the behaviors and voices arising from the resulting post-colonial condition. Significant time spent on how former colonized peoples claim different forms of belonging amidst the legacy of colonialism, which take on a host of different postures from fatalism to empowerment. The search for belonging and identity will be explored across many forms, to include the economic, cultural, political, and the ideological. Perhaps no form of modern identity has more potential for cooperation and conflict than those sought in former colonial spaces of Africa, the Caribbean, the Middle East and Southeast Asia. By understanding these often dislocating behaviors and voices students can critically engage with their own understanding of diversity and identity.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**HIST 371 ANCIENT EAST ASIA3 Credits**

This course investigates the peoples and cultures of East Asia from the emergence of Bronze-Age kingdoms through the failure of Confucian political and social systems in the mid-nineteenth century. In addition to anthropological works, this course analyzes the subject area through cognate disciplines, with special emphasis on history.

**Cross-Listed:** HIST371/ANTH371

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HIST 372 MODERN EAST ASIA3 Credits**

This course investigates the history of East Asia from the rise of nineteenth-century modernization movements through the present. It focuses primarily on China, Japan, Korea, and Vietnam. This course also consults cognate fields including political science and anthropology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 373 HISTORY OF THE PACIFIC RIM3 Credits**

Comprehensive course covering the history, geography, economics, politics, and culture of the peoples who have inhabited the borders of the Pacific Rim-including the United States, Canada, Russia, Japan, China, Vietnam, Indonesia, Australia, Oceania, and Latin America-over the past half-millennium. Topics will include environmental transformation, colonialism, international diplomacy, World War II, and globalization.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 374 HISTORY OF THE MIDDLE EAST3 Credits**

This course investigates the history of the Middle East from its earliest river-based societies, Tigris and Euphrates, Nile, and Indus River Valleys, to the founding of monotheistic religions and on into the present day. This course also consults cognate fields including political science and anthropology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 375 HISTORY OF AFRICA3 Credits**

History of Africa from the pre-historic to the present day. In addition to historical works, this course analyzes the subject through other cognate social sciences with potential disciplines including political science, sociology, anthropology, economics, and psychology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 376 LATIN AMERICAN HISTORY3 Credits**

History of Latin American nations covering the periods of conquest, colonization and independence, with emphasis on social, political and educational developments.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 390 INTERNSHIP IN HISTORY1-12 Credits**

Provides practical historical experience while employed with a museum or historical society, government agency, business, or industry. Open to upper division students majoring in one of the social sciences.

**Add Consent:** Department Consent

**Notes:** 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 395 SEMINAR IN THE SOCIAL SCIENCES3 Credits**

Required for all History, History Education and Social Science majors. Students will understand Social Science methodologies and integrate knowledge and skills developed over the curriculum. Culminates the interdisciplinary focus of the program and produces a synthetic understanding of a topic/problem that is demonstrated in original scholarly research.

**Cross-Listed:** HIST 395/SS395

**Prerequisites:** Junior or above status

**HIST 400 INDEPENDENT STUDY1-6 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean and Academic Vice President is required.

**HIST 401 CUBA LIBRE1-3 Credits**

This course allows students to have a study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469. Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding Self-Reflective essay (required of all participants).

**Essential Studies:** SLO #8

**Prerequisites:** Junior or above status

**HIST 402 CUBA LIBRE3 Credits**

This course allows students to have a study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469. Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding self-reflective essay (required of all participants).

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**HIST 455 PROCESS IN US/EUROPEAN HISTORY3 Credits**

Applies a process-based theme to US and/or European history, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

**Prerequisites:** Junior or above status

**HIST 460 AMERICAN MILITARY HISTORY3 Credits**

Comprehensive but brief account of American Military from 1763 to the present. This is a study of how societies form their institutions for their collective security and how those institutions operate in peace and war. It includes the entire range of economic, social, legal, political, technological, and cultural issues that arise from the state's need to organize violence to preserve its existence and accomplish its national goals.

**Prerequisites:** Junior or above status

**HIST 465 PROCESS IN NORTH AMERICAN WEST HISTORY3 Credits**

Applies a process-based theme to the North American West, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

**Prerequisites:** Junior or above status

**HIST 475 PROCESS IN WORLD HISTORY3 Credits**

Applies a process-based theme to World history, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

**Prerequisites:** Junior or above status

## Bachelor of Arts – History

A student must complete the following program, the Essential Studies requirements, and a major or minor in another discipline.

| Code                         | Title                    | Credits |
|------------------------------|--------------------------|---------|
| Essential Studies (p. 14)    |                          |         |
| Core Requirements            |                          |         |
| HIST 151                     | US HISTORY TO 1877       | 3       |
| or HIST 152                  | US HISTORY SINCE 1877    |         |
| HIST 171                     | WORLD HISTORY TO 1500    | 3       |
| or HIST 172                  | WORLD HISTORY SINCE 1500 |         |
| Historical Process Courses   |                          |         |
| Select two of the following: |                          | 6       |
| HIST 210                     | POLITICS AND ECONOMICS   |         |
| HIST 220                     | THE GLOBAL AND IDENTITY  |         |

|   |  |           |
|---|--|-----------|
| HIST 230                                      | EXCHANGE AND THE ENVIRONMENT           |           |
| HIST 240                                      | BELIEF AND CULTURE                     |           |
| Content/Context (US/Europe) Courses           |  |           |
| Select two of the following:                  |  | 6         |
| HIST 351                                      | ANCIENT WEST                           |           |
| HIST 352                                      | EUROPE: RENAISSANCE TO WORLD WAR       |           |
| HIST 353                                      | EUROPE SINCE 1914                      |           |
| HIST 354                                      | US COLONIAL AND EARLY REPUBLIC         |           |
| HIST 355                                      | US IN THE NINETEENTH CENTURY           |           |
| HIST 356                                      | US IN THE 20TH CENTURY                 |           |
| Content/Context (North American West) Courses |  |           |
| Select two of the following:                  |  | 6         |
| HIST 361                                      | NORTH AMERICAN WEST                    |           |
| HIST 362                                      | NEBRASKA HISTORY                       |           |
| HIST 363                                      | AMERICAN INDIAN HISTORY                |           |
| HIST 364                                      | AMERICAN ENVIRONMENTAL HISTORY         |           |
| HIST 365                                      | HISTORY OF CANADA                      |           |
| HIST 366                                      | HISTORY OF MEXICO                      |           |
| Content/Context (World) Courses               |  |           |
| Select two of the following:                  |  | 6         |
| HIST 371                                      | ANCIENT EAST ASIA                      |           |
| HIST 372                                      | MODERN EAST ASIA                       |           |
| HIST 373                                      | HISTORY OF THE PACIFIC RIM             |           |
| HIST 374                                      | HISTORY OF THE MIDDLE EAST             |           |
| HIST 375                                      | HISTORY OF AFRICA                      |           |
| HIST 376                                      | LATIN AMERICAN HISTORY                 |           |
| Seminar in Process/Content                    |  |           |
| Select one of the following:                  |  | 3         |
| HIST 455                                      | PROCESS IN US/EUROPEAN HISTORY         |           |
| HIST 465                                      | PROCESS IN NORTH AMERICAN WEST HISTORY |           |
| HIST 475                                      | PROCESS IN WORLD HISTORY               |           |
| HIST 395                                      | SEMINAR IN THE SOCIAL SCIENCES         | 3         |
| <b>Total Credits</b>                          |  | <b>36</b> |

## Bachelor of Science - Education - Subject Endorsement in History (Grades 7-12)

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

| Code  | Title                    | Credits |
|---|--------------------------|---------|
| Essential Studies (p. 14)   |                          |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |                          |         |
| Core Requirements   |                          |         |
| Select one of the following:  |                          | 3       |
| HIST 151  | US HISTORY TO 1877       |         |
| HIST 152  | US HISTORY SINCE 1877    |         |
| HIST 171  | WORLD HISTORY TO 1500    |         |
| HIST 172  | WORLD HISTORY SINCE 1500 |         |
| Historical Process Courses  |                          |         |

|  |  |           |
|--|--|-----------|
| Select two of the following:                     |  | 6         |
| HIST 210   | POLITICS AND ECONOMICS                 |           |
| HIST 220   | THE GLOBAL AND IDENTITY                |           |
| HIST 230   | EXCHANGE AND THE ENVIRONMENT           |           |
| HIST 240   | BELIEF AND CULTURE                     |           |
| Content/Context (US/Europe) Courses              |  |           |
| Select two of the following:                     |  | 6         |
| HIST 351   | ANCIENT WEST                           |           |
| HIST 352   | EUROPE: RENAISSANCE TO WORLD WAR       |           |
| HIST 353   | EUROPE SINCE 1914                      |           |
| HIST 354   | US COLONIAL AND EARLY REPUBLIC         |           |
| HIST 355   | US IN THE NINETEENTH CENTURY           |           |
| HIST 356   | US IN THE 20TH CENTURY                 |           |
| Content/Context (North American West) Courses    |  |           |
| Select two of the following:                     |  | 6         |
| HIST 361   | NORTH AMERICAN WEST                    |           |
| HIST 362   | NEBRASKA HISTORY                       |           |
| HIST 363   | AMERICAN INDIAN HISTORY                |           |
| HIST 364   | AMERICAN ENVIRONMENTAL HISTORY         |           |
| HIST 365   | HISTORY OF CANADA                      |           |
| HIST 366   | HISTORY OF MEXICO                      |           |
| Content/Context (World) Courses                  |  |           |
| Select two of the following:                     |  | 6         |
| HIST 371   | ANCIENT EAST ASIA                      |           |
| HIST 372   | MODERN EAST ASIA                       |           |
| HIST 373   | HISTORY OF THE PACIFIC RIM             |           |
| HIST 374   | HISTORY OF THE MIDDLE EAST             |           |
| HIST 375   | HISTORY OF AFRICA                      |           |
| HIST 376   | LATIN AMERICAN HISTORY                 |           |
| Seminar in Process/Content                       |  |           |
| Select one of the following:                     |  | 3         |
| HIST 455   | PROCESS IN US/EUROPEAN HISTORY         |           |
| HIST 465   | PROCESS IN NORTH AMERICAN WEST HISTORY |           |
| HIST 475   | PROCESS IN WORLD HISTORY               |           |
| Electives from Political Science or Anthropology |  |           |
| HIST 395   | SEMINAR IN THE SOCIAL SCIENCES         | 3         |
| <b>Total Credits</b>                             |  | <b>39</b> |

## Minor in History

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

| Code                         | Title                        | Credits |
|------------------------------|------------------------------|---------|
| HIST 151                     | US HISTORY TO 1877           | 3       |
| or HIST 152                  | US HISTORY SINCE 1877        |         |
| HIST 171                     | WORLD HISTORY TO 1500        | 3       |
| or HIST 172                  | WORLD HISTORY SINCE 1500     |         |
| Historical Process Course    |                              |         |
| Select one of the following: |                              | 3       |
| HIST 210                     | POLITICS AND ECONOMICS       |         |
| HIST 220                     | THE GLOBAL AND IDENTITY      |         |
| HIST 230                     | EXCHANGE AND THE ENVIRONMENT |         |

|  |                                  |           |
|--|----------------------------------|-----------|
| HIST 240                                     | BELIEF AND CULTURE               |           |
| Content/Context (US/Europe) Course           |                                  |           |
| Select one of the following:                 |                                  | 3         |
| HIST 351                                     | ANCIENT WEST                     |           |
| HIST 352                                     | EUROPE: RENAISSANCE TO WORLD WAR |           |
| HIST 353                                     | EUROPE SINCE 1914                |           |
| HIST 354                                     | US COLONIAL AND EARLY REPUBLIC   |           |
| HIST 355                                     | US IN THE NINETEENTH CENTURY     |           |
| HIST 356                                     | US IN THE 20TH CENTURY           |           |
| Content/Context (North American West) Course |                                  |           |
| Select one of the following:                 |                                  | 3         |
| HIST 361                                     | NORTH AMERICAN WEST              |           |
| HIST 362                                     | NEBRASKA HISTORY                 |           |
| HIST 363                                     | AMERICAN INDIAN HISTORY          |           |
| HIST 364                                     | AMERICAN ENVIRONMENTAL HISTORY   |           |
| HIST 365                                     | HISTORY OF CANADA                |           |
| HIST 366                                     | HISTORY OF MEXICO                |           |
| Content/Context (World) Course               |                                  |           |
| Select one of the following:                 |                                  | 3         |
| HIST 371                                     | ANCIENT EAST ASIA                |           |
| HIST 372                                     | MODERN EAST ASIA                 |           |
| HIST 373                                     | HISTORY OF THE PACIFIC RIM       |           |
| HIST 374                                     | HISTORY OF THE MIDDLE EAST       |           |
| HIST 375                                     | HISTORY OF AFRICA                |           |
| HIST 376                                     | LATIN AMERICAN HISTORY           |           |
| <b>Total Credits</b>                         |                                  | <b>18</b> |

## Interdisciplinary Studies

### Mission

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

### Student Learning Outcomes

The student will:

- Describe connections between their coursework and their anticipated career.
- Discuss linkages within their coursework.
- Write logically and persuasively, using proper grammar and punctuation.
- Bachelor of Arts - Comprehensive Major in Interdisciplinary Studies (p. 104)

## Bachelor of Arts - Comprehensive Major in Interdisciplinary Studies

### Special Requirements

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

| Code                 | Title   | Credits    |
|----------------------|---|------------|
|                      | Essential Studies   | 39         |
|                      | Course credits from courses selected in consultation with academic advisor <sup>1</sup> | 57         |
|                      | Electives   | 24         |
| <b>Total Credits</b> |   | <b>120</b> |

<sup>1</sup> A minimum of 40 credits must be 300 or 400 level courses.

## Justice Studies

### Mission

The Justice Studies program provides students with instruction in Criminal Justice and Legal Studies. The program focuses on law enforcement, criminology, law, legal studies, courts, juvenile justice, forensic studies, and corrections from a social science perspective. The program promotes 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 prepares students for successful graduate study and professionals with career-enhancing educational experiences.

### Student Learning Outcomes – Criminal Justice

The curriculum prepares students for professional employment in the Criminal Justice field for various professional schools including law, social work, public administration and business administration; and for those who plan to obtain advanced degrees.

- Students will demonstrate academic proficiency in the core criminal justice areas (corrections, forensic studies, juvenile justice, law, and law enforcement).



- Students will employ critical thinking skills when evaluating issues in criminal justice.
- Students will be able to communicate effectively, orally and in writing, using discipline-specific discourse.
- Students will be able to evaluate ethical issues related to the criminal justice system.
- Students will identify issues of diversity and social justice in relation to the workings of the criminal justice system.

## Student Learning Outcomes – Legal Studies

The curriculum prepares students for support services in law firms, government offices, trust departments, real estate offices, accounting firms and other law related environments. Under a lawyer's supervision, Legal Assistants or Paralegals perform a wide variety of functions. The curriculum prepares students for interviewing clients and witnesses, researching legal authority, analyzing factual and legal situations, and preparing documents and forms. The curriculum also prepares students for graduate work in Legal Studies or law school.

- Students will acquire a comprehensive understanding of selected areas of substantive and procedural law.
- Students will analyze legal problems, formulate and evaluate potential solutions, and construct logical arguments in support of specific positions.
- Students will be able to communicate effectively, orally and in writing, using discipline-specific discourse.
- Students will be able to evaluate ethical issues related to the legal professions.
- Students will demonstrate proficiency in legal research.

## Honors Seminars

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

- Bachelor of Arts - Comprehensive Major in Justice Studies - Criminal Justice (p. 109)
- Bachelor of Arts - Comprehensive Major in Justice Studies - Legal Studies (p. 110)
- Criminal Justice (p. 111)
- Legal Studies (p. 111)

## Criminal Justice

### CJ 231 INTRODUCTION TO CRIMINAL JUSTICE3 Credits

A study of the structure, functions, and operations of the criminal justice system in the United States. This course provides an overview of the organization and decision-making processes of agencies that deal with the management and control of crime and criminal offenders-law enforcement, courts, and corrections.

### CJ 232 INTRODUCTION TO LAW ENFORCEMENT3 Credits

A study of the origins of policing, the nature of police work, and the issues, trends, and challenges facing modern policing.

**Prerequisites:** CJ 231

### CJ 233 LAW ENFORCEMENT ORGANIZATION AND ADMINISTRATION3 Credits

A study of the structure and functions of law enforcement organizations (city, county, state, and federal). Theories of leadership and organizational goals, efficiency, expectations, and employer/employee relationships will be explored.

**Prerequisites:** CJ 231

### CJ 235 FUNDAMENTALS OF CRIMINAL INVESTIGATION3 Credits

A study of the theoretical and philosophical underpinnings necessary to understand the investigatory process. Particular emphasis is placed on the role of the first responder, chain of custody, crime scene evidence, and interaction with victims, witnesses, and potential predators.

**Prerequisites:** CJ 231

### CJ 236 INTRODUCTION TO CORRECTIONS3 Credits

A study of the correctional system and its role in the criminal justice process. This course provides an overview of the historical development of crime and corrections, philosophical concepts and major developments, which have shaped corrections. Sentencing options, as well as community and institutional correctional programs, will be covered.

**Prerequisites:** CJ 231

### CJ 239 CRIMINOLOGY3 Credits

A study of the nature and causes of criminal behavior. This course will analyze the crime causation ranging through biological, psychological, sociological, and cultural theories. This course will also evaluate the historical influences and thoughts which have led to criminology's development as a contemporary science.

**Cross-Listed:** CJ239/SOC239

### CJ 249 VICTIMOLOGY3 Credits

A study of the situations, events, and processes that are related to victimology. This course will examine theoretical aspects of victimization, the prevalence of victimization, the complexities of victim/offender relationships, the associated costs, and socio-legal efforts to assist victims who suffer from emotional, financial, physical, and sexual harms because of criminal activities. Finally, this course will examine policies aimed at assisting victims and preventing victimization.

### CJ 321 POLICE AND COMMUNITY RELATIONS3 Credits

A study of the interdependence of the police and community in maintaining order and controlling crime. This course focuses on the historical and contemporary roles of policing in society, community attitudes toward police, and strategies for developing positive police-community relations.

**Prerequisites:** CJ 231 and CJ 232

### CJ 322 JUVENILE CRIME AND GANGS3 Credits

A study of crime trends and patterns of delinquent behavior, as related to subcultures. Furthermore, this course will explore gang history and variations of gang practices by race, class, and gender. Policies and intervention strategies relevant to this type of crime are considered.

**Prerequisites:** Sophomore or above status

### CJ 323 FORENSIC STUDIES I3 Credits

A study of scientific theories and applications related to the collection, analysis, and interpretation of crime scene evidence. This course will include: dusting and lifting of fingerprints, chemical processing of fingerprints, 3D evidence, blood pattern recognition and blood spatter interpretation.

**Prerequisites:** Sophomore or above status

**CJ 331 CRIMINAL LAW3 Credits**

A study of the general principles of criminal law and the specific elements of particular crimes. This course examines the sources of criminal law, the constitutional limitations on criminal law, the basic proof requirements for specific crimes, and the various defenses to criminal liability.

**Cross-Listed:** LS 331/CJ 331

**Prerequisites:** LS 231 or CJ 231 and Sophomore or above status

**CJ 332 JUVENILE DELINQUENCY3 Credits**

A study of the history and concept of delinquency, the development of the juvenile justice system, nature and extent of delinquency, theoretical explanations of delinquency, and environmental influences of delinquency. Special topics covered include child abuse and neglect, school-based crime, gang control efforts, and the relationship between delinquency and drug abuse.

**Cross-Listed:** CJ332/SOC332

**Prerequisites:** CJ 231 and Sophomore or above status

**CJ 333 CONSTITUTIONAL LAW3 Credits**

A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation.

**Cross-Listed:** CJ333/LS333/PS333

**Prerequisites:** Sophomore or above status

**CJ 334 CRIMINAL PROCEDURES3 Credits**

A study of the rule of law in action. Students will examine procedural limitations in processing an individual through the criminal justice system with special emphasis on arrest, search and seizure, interrogation, identification and exclusion of evidence.

**Cross-Listed:** CJ334/LS334

**Prerequisites:** Sophomore or above status

**CJ 336 MULTICULTURAL ISSUES IN CRIMINAL JUSTICE3 Credits**

A study of theories and current research related to racial, ethnic, and gender disparity within the American criminal justice system. This course examines the most recent research on patterns of criminal behavior and victimization, police practices, court processing and sentencing, the death penalty and correctional programs in a diverse society.

**Prerequisites:** CJ 231 and Sophomore or above status

**CJ 337 INTRODUCTION TO LAW3 Credits**

A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system, and considers the economic, social, and political implications as they influence the development of a rule of law. Historical and contemporary legal controversies will be examined.

**Cross-Listed:** CJ337/LS337/PS337

**Prerequisites:** Sophomore or above status

**CJ 338 COMMUNITY BASED CORRECTIONS3 Credits**

A study of the procedures, practices, and personnel involved in community-based corrections. This course examines the role of the community in the reintegration of offenders, with a focus on correctional programs designed to be administered in a community setting, such as probation, parole and intermediate sanctions.

**Prerequisites:** CJ 231, CJ 236 and Sophomore or above status

**CJ 390 INTERNSHIP IN CRIMINAL JUSTICE1-12 Credits**

A student will gain practical experience in a criminal justice agency such as law enforcement, courts or corrections.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

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.

**Prerequisites:** 15 hours of Criminal Justice courses

**Add Consent:** Instructor Consent

**Requirements:** Permission of Instructor, Dean and Academic Vice President.

**CJ 430 TOPICS IN CORRECTIONS3 Credits**

Topics selected to meet the needs of students in a special area of interest in corrections.

**Prerequisites:** CJ 236 and Junior or above status

**CJ 431 INSTITUTIONAL CORRECTIONS3 Credits**

A study of the history and operation of jails and prisons in the United States. This course examines the history of incarceration, institutional programs and procedures, institutional subcultures, and the classification and supervision of incarcerated offenders.

**Prerequisites:** CJ 231, CJ 236, and Junior or above status

**CJ 432 JUVENILE LAW3 Credits**

A study of the rights and duties of children, parents, and the state in both private and criminal arenas. This course examines the development of the legal status of children, constitutional rights of minors, the role of the state in relation to the family, state power to intervene in the lives of parents and children, and juvenile offenders in the justice system. Emphasis is placed on the juvenile justice process as it has developed in the United States.

**Cross-Listed:** CJ432/LS432

**Prerequisites:** Junior or above status

**CJ 433 RULES OF EVIDENCE3 Credits**

A study of evidence and the rules governing its use. This course examines what, how, and why certain objects or testimony should be admitted into, or excluded from, evidence in court. Topics include the problems of relevance, authentication, burdens of proof, presumptions, hearsay, opinion, and expert testimony.

**Cross-Listed:** CJ433/LS433

**Prerequisites:** CJ 231 or LS 231 and Junior or above status

**CJ 434 SENIOR SEMINAR IN CRIMINAL JUSTICE3 Credits**

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.

**Prerequisites:** Criminal Justice Senior

**CJ 435 DRUGS, ALCOHOL AND CRIME3 Credits**

A study of the relationship of drugs and alcohol on the nature and incidence of crime with a focus on issues for police, courts, and corrections.

**Prerequisites:** Junior or above status

**CJ 436 COMPARATIVE CRIMINAL JUSTICE3 Credits**

A study and comparison of the world's major justice systems. This course compares the various elements of human culture as reflected in the major criminal justice systems of the world and procedures for social control of crime. Special attention is given to what constitutes a crime, the judicial processes for determining guilt, and theories and practices of punishment.

**Prerequisites:** Junior or above status

**CJ 437 TOPICS IN LAW ENFORCEMENT3 Credits**

Topics selected to meet the needs of students in a special area of interest in law enforcement.

**Prerequisites:** CJ 232 and Junior or above status

**CJ 438 TOPICS IN LAW3 Credits**

Topics selected to meet the needs of students in a special area of interest in law.

**Cross-Listed:** CJ438/LS438

**Prerequisites:** Junior or above status

**CJ 440 TOPICS IN JUVENILE JUSTICE3 Credits**

Topics selected to meet the needs of students in a special area of interest in juvenile justice.

**Prerequisites:** Junior or above status

**CJ 441 ETHICAL ISSUES IN CRIMINAL JUSTICE3 Credits**

A study of the ethical philosophies and issues pertaining to the various professions in the criminal justice system. Through the use of case studies, students will evaluate ethical dilemmas encountered in both the administration of justice and the ethical dilemmas faced by its professional practitioners.

**Prerequisites:** Junior or above status

**CJ 442 HONORS IN CRIMINAL JUSTICE3 Credits**

Selected courses and topics designed for upper division students with a grade point average of 3.25 in all course work.

**Cross-Listed:** CJ442/LS442

**Add Consent:** Instructor Consent

**Notes:** May be repeated up to a maximum of twelve (12) semester hours.

**CJ 443 CORRECTIONAL LAW3 Credits**

A study of major legal issues surrounding sentencing, incarceration, probation, parole, pardon, and related topics. This course provides a general overview of the law relating to persons in prison, jail or within the corrections system. Also investigates how civil and criminal law affects facilities, community-based corrections, and personnel working in the correctional system.

**Cross-Listed:** CJ443/LS443

**Prerequisites:** Junior or above status

**CJ 444 FORENSIC STUDIES II3 Credits**

A study of two aspects of forensic investigation. This course will be applying various features and functions of the camera that are used to control and provide the proper exposure and other qualities expected by today's court system. Many practical experiences will be incorporated to demonstrate and inculcate the complexity of forensic photography. This course will also focus on the application of Linguistic Statement Analysis Technique (LSAT). This forensic technique is an advanced investigative technology that has been empirically tested for its effectiveness in detecting deception in spoken and written statements from victims, suspects and witnesses in all crimes.

**Prerequisites:** Junior or above status

**CJ 446 CROSS CULTURAL STUDIES/JUSTICE STUDIES1-3 Credits**

A study of the cross cultural differences in crime and applications of criminal justice systems and practices. This course examines the impact of cultural factors (historical, religious, social, and political) on the formal institutions, laws and procedures for social control of crime. This course requires participation in a study abroad program.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Drop Consent:** Instructor Consent

**CJ 447 APPLIED ISSUES IN CRIMINAL JUSTICE1-6 Credits**

Projects, workshops, field experiences and seminars that focus on a specialized area in Criminal Justice.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**CJ 448 PROFESSIONAL SEMESTER1-12 Credits**

The student will attend a certified law enforcement training academy to obtain certification as a professional law enforcement officer. Admission to the professional semester requires completion of all requirements in the Criminal Justice major.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and admission by a law enforcement training center.

**CJ 449 CRIMINAL PROFILING3 Credits**

This course will present the techniques necessary to develop a complete socio-psychological profile regarding various types of violent behavior. The rationale for psychological profiling, the analysis of violent crime scenes, the motivations for committing crimes, and the role of aggression and criminological theories in the formation of psychological profiles will be examined. Using case studies and illustrations, the complexity of the violent personality will be presented while maintaining a scientific focus and approach.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**CJ 450 TOPICS IN FORENSIC STUDIES3 Credits**

Topics selected to meet the needs of students in a special area of forensic sciences.

**Prerequisites:** CJ 323 or CJ 444 and Junior or above status

**CJ 469 SEX CRIMES AND PARAPHILIA3 Credits**

A study of sex crimes, sex offenders, the effect on their victims and attempted treatment. The methods, motivations and victim selection of offenders will be examined through the use of case studies. Paraphilias and how this information can help determine fantasy which can illuminate specific typologies of sex offending and the etiology of the offender will be examined.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

## Legal Studies

**LS 231 INTRODUCTION TO LEGAL STUDIES3 Credits**

A study of the American legal system and the people who make it work. First introduces the role of legal professionals (lawyers and paralegals) and provides a general knowledge of the legal system structure and dispute resolution processes. Students then explore major substantive areas of law, examine the ethical rules governing legal work and learn basic legal skills such as case briefing, legal analysis, and legal research.

**LS 232 LITIGATION/CIVIL PROCEDURES3 Credits**

A study of the process used to resolve legal disputes. Will examine the federal and state rules of civil procedures, including the drafting of complaints, answers, pre-trial motions, interrogatories, depositions and other documents, discovery, jurisdiction, and the aspects of trial practice.

**LS 233 TORTS3 Credits**

An overview of basic personal injury and property damage law within the American legal system. Actual cases and hypothetical examples are used to illustrate the law of intentional torts, negligence, strict liability and tort defenses. Emphasis is placed on developing a working knowledge of substantive tort law through the development and analysis of facts, the construction and evaluation of alternative arguments, and the drafting of a variety of documents that are the basis for trial preparation.

**LS 235 ADMINISTRATIVE LAW3 Credits**

A study of the role and function of administrative agencies in contemporary society. This course focuses on the law governing agency discretion, rulemaking, enforcement, and decision-making powers. Special emphasis is given to administrative procedures and public rights.

**LS 236 FAMILY LAW3 Credits**

A study of the law governing families. Exploring the substantive law of marriage, divorce, legal separation, child support and custody, property division, alimony, decree modification and enforcement, and adoption. Special emphasis is placed on the drafting of documents necessary in family law cases.

**LS 238 LEGAL RESEARCH AND WRITING I3 Credits**

A study of basic legal research and legal analysis. Focusing on how to locate and analyze legal resources including constitutions, statutes, administrative rules and regulations, and cases. The fundamentals of legal writing, including legal citation, will be introduced. Special emphasis will be given to online legal research.

**LS 323 LAW AND THE AMERICAN SOCIETY3 Credits**

A study of the nature and function of the American legal system and its interrelationship with our social, political and economic institutions. This course examines the nature, functions, and limits of law and its impact on economic, political, and social institutions. Emphasis will be placed on debates of current legal issues.

**Cross-Listed:** LS323/SS323

**Essential Studies:** SLO #10

**LS 331 CRIMINAL LAW3 Credits**

A study of the general principles of criminal law and the specific elements of particular crimes. This course examines the sources of criminal law, the constitutional limitations on criminal law, the basic proof requirements for specific crimes, and the various defenses to criminal liability.

**Cross-Listed:** LS 331/CJ 331

**Prerequisites:** LS 231 or CJ 231 and Sophomore or above status

**LS 332 THE LAW OF CONTRACTS3 Credits**

The study of privately created obligations and duties through agreement. This course introduces the law of contracts, including the elements of a contract, the formation of contracts, contract interpretation, obligations, third-party contract relationships, breach of contract, and remedies available. Emphasis is placed on the drafting and evaluation of contracts.

**Prerequisites:** Sophomore or above status

**LS 333 CONSTITUTIONAL LAW3 Credits**

A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation.

**Cross-Listed:** CJ333/LS333/PS333

**Prerequisites:** Sophomore or above status

**LS 334 CRIMINAL PROCEDURES3 Credits**

A study of the rule of law in action. Students will examine procedural limitations in processing an individual through the criminal justice system with special emphasis on arrest, search and seizure, interrogation, identification and exclusion of evidence.

**Cross-Listed:** CJ334/LS334

**Prerequisites:** Sophomore or above status

**LS 337 INTRODUCTION TO LAW3 Credits**

A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system and considers economic, social, and political implications as they influence the development of a rule of law. Historical and present legal controversies will be examined.

**Cross-Listed:** CJ337/LS337/PS337

**Prerequisites:** Sophomore or above status

**LS 338 LEGAL RESEARCH AND WRITING I13 Credits**

A study of advanced legal research and writing principles. This course focuses on case synthesis, the creation of factual and policy arguments, and counteranalysis. Emphasis is placed upon completion of legal research projects including preparation of interoffice memoranda, court briefs and legal correspondence.

**Prerequisites:** LS 238 and Sophomore or above status

**LS 343 COMMERCIAL LAW3 Credits**

A study of the Uniform Commercial Code and related federal and state laws and their relevance to the law office environment and commercial business practice. This course will emphasize the sale of goods, negotiable instruments, bank deposits and collections, security agreements, and transactions in which personal property, such as equipment, inventory, or accounts receivable, serve as collateral for a debt.

**LS 390 INTERNSHIP IN LEGAL STUDIES1-12 Credits**

The student will gain practical experience in a law office, court, judicial office, or other law related agency. Open to upper division students majoring in the area of legal studies.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Internship and Career Services office to secure application materials; application should be made prior to the semester the internship will be started; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

**LS 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Prerequisites:** 15 hours of Legal Studies courses

**Add Consent:** Instructor Consent

**Requirements:** Permission of Dean, and Academic Vice President.

**LS 431 ESTATE PLANNING3 Credits**

A study of the ownership of assets and planned distribution. Students will explore the procedures, techniques, and law governing the administration of estates and trusts. Special emphasis will be placed on the drafting of wills, simple trusts, probate documents and advanced healthcare directives.

**Prerequisites:** Junior or above status

**LS 432 JUVENILE LAW3 Credits**

A study of the rights and duties of children, parents, and the state in both private and criminal arenas. This course examines the development of the legal status of children, constitutional rights of minors, the role of the state in relation to the family, state power to intervene in the lives of parents and children, and juvenile offenders in the justice system. Emphasis is placed on the juvenile justice process as it has developed in the United States.

**Cross-Listed:** CJ432/LS432

**LS 433 RULES OF EVIDENCE3 Credits**

A study of evidence and the rules governing its use. Examines what, how, and why certain objects or testimony should be admitted into, or excluded from, evidence in court. Topics include the problems of relevance, authentication, burdens of proof, presumptions, hearsay, opinion, and expert testimony.

**Cross-Listed:** CJ433/LS433

**Prerequisites:** LS 231 or CJ 231 and Junior or above status

**LS 434 LAW OF REAL ESTATE3 Credits**

A study of the substantive law of real property, including legal descriptions, real estate finance, types of ownership, mechanics of transferring ownership, abstracts, title insurance, legal forms, and contract drafting.

**Prerequisites:** Junior or above status

**LS 435 LAW OF BUSINESS ORGANIZATIONS3 Credits**

A study of sole proprietorships, partnerships, corporations and limited liability companies. This course will examine the advantages and disadvantages of different business entities and the formation and financial structure of each.

**LS 436 ETHICS/PROFESSIONAL RESPONSIBILITY3 Credits**

An overview of ethical considerations in the legal profession, including canons of ethics and ethical standards governing lawyers and legal assistants. The course examines client confidentiality, unauthorized practice of the law, conflicts of interest and disqualification, attorney-client privilege, the work product rule, financial matters, zealotness within the bounds of the law, and competence.

**LS 438 TOPICS IN LAW3 Credits**

Topics selected to meet the needs of students in a special area of interest in law.

**Cross-Listed:** CJ438/LS438

**Prerequisites:** Junior or above status

**LS 442 HONORS IN LEGAL STUDIES3 Credits**

Selected courses and topics designed for upper division students with a grade point average of 3.25 or above in all course work.

**Cross-Listed:** CJ442/LS442

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** May be repeated up to a maximum of twelve (12) semester hours.

**LS 443 CORRECTIONAL LAW3 Credits**

A study of major legal issues surrounding sentencing, incarceration, probation, parole, pardon, and related topics. This course provides a general overview of the law relating to persons in prison, jail or within the corrections system. Also investigates how civil and criminal law affects facilities, community-based corrections, and personnel working in the correctional system.

**Cross-Listed:** CJ443/LS443

**Prerequisites:** Junior or above status

**LS 444 TOPICS IN TRANSACTIONAL LAW3 Credits**

Topics selected to meet the needs of students in a special area of interest in transactional law.

**Prerequisites:** Junior or above status

**LS 447 APPLIED ISSUES IN LEGAL STUDIES1-9 Credits**

Projects, workshops, field experiences and seminars that focus on a specialized area of Legal Studies.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

## Bachelor of Arts – Comprehensive Major in Justice Studies – Criminal Justice

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

| Code   | Title                                    | Credits   |
|--|--|-----------|
| Essential Studies (p. 14)                                |  |           |
| Core Requirements  |  |           |
| CJ 231   | INTRODUCTION TO CRIMINAL JUSTICE         | 3         |
| CJ 232   | INTRODUCTION TO LAW ENFORCEMENT          | 3         |
| CJ 236   | INTRODUCTION TO CORRECTIONS              | 3         |
| CJ 239   | CRIMINOLOGY                              | 3         |
| CJ 336   | MULTICULTURAL ISSUES IN CRIMINAL JUSTICE | 3         |
| CJ 337   | INTRODUCTION TO LAW                      | 3         |
| CJ 434   | SENIOR SEMINAR IN CRIMINAL JUSTICE       | 3         |
| CJ 436   | COMPARATIVE CRIMINAL JUSTICE             | 3         |
| CJ 441   | ETHICAL ISSUES IN CRIMINAL JUSTICE       | 3         |
| Select six credits in each of the following Focus Areas: |  | 30        |
| Corrections Focus (p. 109)                               |  |           |
| Forensic Studies Focus (p. 110)                          |  |           |
| Juvenile Justice Focus (p. 110)                          |  |           |
| Law Enforcement Focus (p. 110)                           |  |           |
| Law Focus (p. 110)                                       |  |           |
| <b>Total Credits</b>                                     |  | <b>57</b> |

## Corrections Focus Area

| Code                                 | Title                       | Credits |
|--------------------------------------|-----------------------------|---------|
| Select 6 credits from the following: |                             |         |
| CJ 249                               | VICTIMOLOGY                 | 6       |
| CJ 338                               | COMMUNITY BASED CORRECTIONS |         |
| CJ 430                               | TOPICS IN CORRECTIONS       |         |
| CJ 431                               | INSTITUTIONAL CORRECTIONS   |         |

|                      |                  |          |
|----------------------|------------------|----------|
| CJ 443               | CORRECTIONAL LAW |          |
| <b>Total Credits</b> |                  | <b>6</b> |

## Forensic Studies Focus Area

| Code                                 | Title                                  | Credits  |
|--------------------------------------|--|----------|
| Select 6 credits from the following: |  |          |
| CJ 235                               | FUNDAMENTALS OF CRIMINAL INVESTIGATION |          |
| CJ 323                               | FORENSIC STUDIES I                     |          |
| CJ 444                               | FORENSIC STUDIES II                    |          |
| CJ 449                               | CRIMINAL PROFILING                     |          |
| CJ 450                               | TOPICS IN FORENSIC STUDIES             |          |
| <b>Total Credits</b>                 |  | <b>6</b> |

## Juvenile Justice Focus Area

| Code                                 | Title                      | Credits  |
|--------------------------------------|----------------------------|----------|
| Select 6 credits from the following: |                            |          |
| CJ 322                               | JUVENILE CRIME AND GANGS   |          |
| CJ 332                               | JUVENILE DELINQUENCY       |          |
| CJ 432                               | JUVENILE LAW               |          |
| CJ 440                               | TOPICS IN JUVENILE JUSTICE |          |
| LS 236                               | FAMILY LAW                 |          |
| <b>Total Credits</b>                 |                            | <b>6</b> |

## Law Enforcement Focus Area

| Code                                 | Title   | Credits  |
|--------------------------------------|---|----------|
| Select 6 credits from the following: |   |          |
| CJ 233                               | LAW ENFORCEMENT ORGANIZATION AND ADMINISTRATION |          |
| CJ 321                               | POLICE AND COMMUNITY RELATIONS                  |          |
| CJ 435                               | DRUGS, ALCOHOL AND CRIME                        |          |
| CJ 437                               | TOPICS IN LAW ENFORCEMENT                       |          |
| CJ 469                               | SEX CRIMES AND PARAPHILIA                       |          |
| <b>Total Credits</b>                 |   | <b>6</b> |

## Law Focus Area

| Code                                 | Title               | Credits  |
|--------------------------------------|---------------------|----------|
| Select 6 credits from the following: |                     |          |
| CJ 331                               | CRIMINAL LAW        |          |
| CJ 333                               | CONSTITUTIONAL LAW  |          |
| CJ 334                               | CRIMINAL PROCEDURES |          |
| CJ 433                               | RULES OF EVIDENCE   |          |
| CJ 438                               | TOPICS IN LAW       |          |
| <b>Total Credits</b>                 |                     | <b>6</b> |

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

# Bachelor of Arts – Comprehensive Major in Justice Studies – Legal Studies

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

| Code   | Title                              | Credits   |
|--|------------------------------------|-----------|
| Essential Studies (p. 14)                              |                                    |           |
| Core Requirements                                      |                                    |           |
| LS 231   | INTRODUCTION TO LEGAL STUDIES      | 3         |
| LS 232   | LITIGATION/CIVIL PROCEDURES        | 3         |
| LS 238   | LEGAL RESEARCH AND WRITING I       | 3         |
| LS 337   | INTRODUCTION TO LAW                | 3         |
| LS 338   | LEGAL RESEARCH AND WRITING II      | 3         |
| LS 436   | ETHICS/PROFESSIONAL RESPONSIBILITY | 3         |
| Choose one:  |                                    |           |
| ACTG 241   | ACCOUNTING PRINCIPLES I            |           |
| LS/SS 323  | LAW AND THE AMERICAN SOCIETY       |           |
| LS 390   | INTERNSHIP IN LEGAL STUDIES        |           |
| PHIL 231   | INTRODUCTION TO PHILOSOPHY         |           |
| Select 9 credits in each of the following Focus Areas: |                                    | 27        |
| Litigation Focus (p. 110)                              |                                    |           |
| Public Law Focus (p. 110)                              |                                    |           |
| Transactional Law Focus (p. 110)                       |                                    |           |
| <b>Total Credits</b>                                   |                                    | <b>48</b> |

## Litigation Focus

| Code                                 | Title               | Credits  |
|--------------------------------------|---------------------|----------|
| Select 9 credits from the following: |                     |          |
| LS 233                               | TORTS               |          |
| LS 331                               | CRIMINAL LAW        |          |
| LS 334                               | CRIMINAL PROCEDURES |          |
| LS 432                               | JUVENILE LAW        |          |
| LS 433                               | RULES OF EVIDENCE   |          |
| <b>Total Credits</b>                 |                     | <b>9</b> |

## Public Law Focus

| Code                                 | Title              | Credits  |
|--------------------------------------|--------------------|----------|
| Select 9 credits from the following: |                    |          |
| LS 235                               | ADMINISTRATIVE LAW |          |
| LS 236                               | FAMILY LAW         |          |
| LS 333                               | CONSTITUTIONAL LAW |          |
| LS 431                               | ESTATE PLANNING    |          |
| LS 438                               | TOPICS IN LAW      |          |
| <b>Total Credits</b>                 |                    | <b>9</b> |

Transactional Law Focus

| Code                                 | Title                | Credits |
|--------------------------------------|----------------------|---------|
| Select 9 credits from the following: |                      |         |
| LS 332                               | THE LAW OF CONTRACTS |         |

|        |                               |
|--------|-------------------------------|
| LS 343 | COMMERCIAL LAW                |
| LS 434 | LAW OF REAL ESTATE            |
| LS 435 | LAW OF BUSINESS ORGANIZATIONS |
| LS 444 | TOPICS IN TRANSACTIONAL LAW   |

**Total Credits** 9

## Minor in Criminal Justice

Students must complete the following program in addition to the Essential Studies requirements and the requirements for their chosen major.

| Code   | Title                            | Credits   |
|--|----------------------------------|-----------|
| CJ 231   | INTRODUCTION TO CRIMINAL JUSTICE | 3         |
| CJ 232   | INTRODUCTION TO LAW ENFORCEMENT  | 3         |
| CJ 236   | INTRODUCTION TO CORRECTIONS      | 3         |
| CJ 337   | INTRODUCTION TO LAW              | 3         |
| Upper-division electives from three Criminal Justice focus areas |                                  | 9         |
| <b>Total Credits</b>   |                                  | <b>21</b> |

## Minor in Legal Studies

Students must complete the following program in addition to the Essential Studies requirements and the requirements for their chosen major.

| Code   | Title                              | Credits   |
|--|------------------------------------|-----------|
| LS 231                                       | INTRODUCTION TO LEGAL STUDIES      | 3         |
| LS 238                                       | LEGAL RESEARCH AND WRITING I       | 3         |
| LS 337                                       | INTRODUCTION TO LAW                | 3         |
| LS 436                                       | ETHICS/PROFESSIONAL RESPONSIBILITY | 3         |
| <b>Litigation Focus Area (select one):</b>   |                                    | <b>3</b>  |
| LS 233                                       | TORTS                              |           |
| LS 331                                       | CRIMINAL LAW                       |           |
| LS 334                                       | CRIMINAL PROCEDURES                |           |
| LS 432                                       | JUVENILE LAW                       |           |
| LS 433                                       | RULES OF EVIDENCE                  |           |
| <b>Public Law Focus (select one):</b>        |                                    | <b>3</b>  |
| LS 235                                       | ADMINISTRATIVE LAW                 |           |
| LS 236                                       | FAMILY LAW                         |           |
| LS 333                                       | CONSTITUTIONAL LAW                 |           |
| LS 431                                       | ESTATE PLANNING                    |           |
| LS 438                                       | TOPICS IN LAW                      |           |
| <b>Transactional Law Focus (select one):</b> |                                    | <b>3</b>  |
| LS 332                                       | THE LAW OF CONTRACTS               |           |
| LS 343                                       | COMMERCIAL LAW                     |           |
| LS 434                                       | LAW OF REAL ESTATE                 |           |
| LS 435                                       | LAW OF BUSINESS ORGANIZATIONS      |           |
| LS 444                                       | TOPICS IN TRANSACTIONAL LAW        |           |
| <b>Total Credits</b>                         |                                    | <b>21</b> |

## Mathematics

### Mission

The mission of the Math program is to produce graduates who have developed mathematical ability and knowledge of the depth and breadth of mathematics, who can communicate about and with mathematics, who use technology to support problem solving and promote understanding, and who apply the mathematical sciences, including statistics, in other academic disciplines.

### Student Learning Outcomes

Math students at Chadron State College will:

- 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.
- Bachelor of Science - Subject Major in Mathematics (p. 115)
- Bachelor of Science in Education - Field Endorsement in Mathematics (Grades 6-12) (p. 114)
- Bachelor of Science - Education - Middle Level Education Academic Area in Mathematics (Grades 5-9) (p. 114)
- Applied Statistics (p. 115)
- Mathematics (p. 115)
- Data Analytics (p. 115)

#### MATH 101 PRE-ALGEBRA3 Credits

A comprehensive review of arithmetic involving whole numbers, fractions, decimals, and signed numbers. Students will solve problems involving ratios, proportions, percent and geometry. Basic algebra concepts including working with variables, simplifying expressions, solving equations, and graphing will be introduced. Students will be introduced to the basic features of a graphing calculator.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course does not meet Essential Studies or specific program requirements.

**Requirements:** Math Placement Exam or Math Faculty Recommendation

#### MATH 102 PRE-COLLEGE ALGEBRA3 Credits

Problem-solving skills, applied algebra and geometry, and basic data analysis. The goal is to develop readiness for a college algebra or statistics course.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course does not meet Essential Studies or specific program requirements.

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 133 INTRODUCTION TO MATHEMATICS3 Credits**

Everyday mathematics with practical applications. A study of various topics including estimation, consumer mathematics, finance, probability and statistics, with an emphasis on critical thinking and interpreting results as they relate to being an informed and productive citizen in our society.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 134 PLANE TRIGONOMETRY3 Credits**

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.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 135 PRE-CALCULUS MATHEMATICS3 Credits**

A mathematical modeling approach to diverse real-world applications in many fields. Algebraic analysis of polynomials, rational, exponential, and logarithmic functions. Trigonometry concepts such as circular functions, inverse functions, solving equations, Law of Sines and Cosines.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 137 MATHEMATICS TOPICS FOR ELEMENTARY TEACHERS3 Credits**

This course broadens and deepens students' knowledge of the mathematical content of the elementary and middle school grades. Throughout the course, students use conceptual models to make sense of mathematics, perform activities to develop new perspectives, and examine a variety of materials for teaching. These guided, collaborative, learning experiences help prospective teachers to become reflective practitioners who can develop a pedagogical framework to teach mathematics. The covered contents include: 1. Numbers and the Base-Ten System 2. Fractions and Problem Solving 3. Addition and Subtraction 4. Multiplication 5. Multiplication of Fractions, Decimals, and Negative Numbers 6. Division

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation.

**MATH 138 APPLIED CALCULUS3 Credits**

Differential and integral calculus with applications from business, economics, life sciences, physical sciences and social sciences.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 142 COLLEGE ALGEBRA4 Credits**

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.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 151 CALCULUS I5 Credits**

Traditional approach to limits, continuity, differential calculus with applications, and an introduction to integral calculus.

**Essential Studies:** SLO #4

**Prerequisites:** Advanced high school mathematics including trigonometry or MATH 134, MATH 135, Math Placement Exam or Math Faculty Recommendation

**MATH 200 INTRO TO DATA ANALYTICS3 Credits**

Introduction to statistical programming in R and its applications. Students will become familiar with the process, techniques, and goals of exploratory data analysis. Students will be able to create, assess, debug code effectively, and interpret their findings in an effective manner.

**Prerequisites:** MATH 151

**MATH 201 INTRO TO PROGRAMMATIC DATA3 Credits**

Introduction to programming: a wholistic approach to learning how to code with a lens toward Big Data principles. Topics include but are not limited to Datatypes, Immutables, Functions, Packages, Loops, Recursion, and an introduction to object oriented programming (OOP)

**Prerequisites:** MATH 151

**MATH 202 INTRO TO DATABASE STRUCTURES3 Credits**

Principles of the RDBMS, DBMS, Structured Query Language (SQL), MySQL, NoSQL, JSON, Remote Database Access, and API Requests.

**Prerequisites:** MATH 201

**MATH 232 APPLIED STATISTICS3 Credits**

Descriptive statistics and statistical inference, with applications from business, economics, life and social sciences. Cannot be used by Mathematics majors in their minor.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 235 MATHEMATICS FOR PROSPECTIVE ELEMENTARY AND MIDDLE SCHOOL TEACHERS I3 Credits**

This course broadens and deepens students' knowledge of the mathematical content of the elementary and middle school grades. Throughout the course, students use conceptual models to make sense of mathematics, perform activities to develop new perspectives, and examine a variety of materials for teaching. These guided, collaborative, learning experiences help prospective teachers to become reflective practitioners who can develop a pedagogical framework to teach mathematics. The covered contents include: 1. Ratio and Proportional Relationships 2. Number Theory 3. Algebra 4. Statistics 5. Probability

**Prerequisites:** MATH 137 or equivalent

**Notes:** Does not apply toward Essential Studies mathematics requirement.

**MATH 236 HISTORY OF MATHEMATICS3 Credits**

Students will learn about the development of mathematics from the early Egyptian period to modern times, study prominent mathematicians and their major accomplishments, and know about many classical and modern mathematical problems.

**Essential Studies:** SLO #8

**MATH 237 HISTORY AND FOUNDATIONS OF MATHEMATICS3 Credits**

Logic, proof, relations, sets, functions, and history of mathematics.

**Prerequisites:** MATH 142 or MATH 151

**MATH 238 MATHEMATICS FOR THE ELEMENTARY TEACHER I13 Credits**

Geometry, probability, and statistics for elementary and middle grade levels. Does not apply toward Essential Studies mathematics requirement.

**Prerequisites:** MATH 235



**MATH 239 DISCRETE MATHEMATICS3 Credits**

Graph theory, matrices, recurrence relations, linear programming, difference equations, combinatorics, Boolean algebra, and trees.

Applications included.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 252 CALCULUS II5 Credits**

Integral calculus with applications of differentiation and integration. Sequences and series.

**Prerequisites:** MATH 151

**MATH 270 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**MATH 301 DATA LIFE CYCLE AND APPLICATION DEVELOPMENT3 Credits**

Principles of the Data Life Cycle and Management, Applying DLM principles to a real world scenario and data situations, Applying programming principles to learning additional languages

**Prerequisites:** MATH 202 and sophomore or above status

**MATH 302 APPLIED 'BIG DATA'3 Credits**

Machine learning, simple and linear regression, principal component analysis, neuro-linguistic programming, visualizations, and additional topics relevant to the field of "Big Data" analysis and applications

**Prerequisites:** MATH 301 and sophomore or above status

**MATH 330 DIFFERENTIAL EQUATIONS3 Credits**

Theory and solutions of ordinary differential equations and systems of differential equations. Modeling of science, engineering, and social science problem situations and phenomena, including power series methods.

**Prerequisites:** MATH 252 and Sophomore or above status

**MATH 331 PROBABILITY AND STATISTICS3 Credits**

Descriptive statistics, exploratory data analysis, probability, random variables and probability distributions, inferential statistics, point and interval estimation, hypothesis testing, correlation and regression. Applications from business, education, and science.

**Prerequisites:** MATH 151 or MATH 138 and Sophomore or above status

**MATH 334 COLLEGE GEOMETRY3 Credits**

Advanced plane geometry. Similar and congruent figures, logic, and constructions. Projective and other fields of geometry, both Euclidean and non-Euclidean.

**Prerequisites:** MATH 237 and Sophomore or above status

**MATH 336 CALCULUS III3 Credits**

Vector calculus and vector-valued functions, partial derivatives, multiple integrals, introduction to differential equations, and line and surface integrals.

**Prerequisites:** MATH 252 and Sophomore or above status

**MATH 337 LINEAR ALGEBRA3 Credits**

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.

**Prerequisites:** MATH 138 or MATH 151 and Sophomore or above status

**MATH 390 INTERNSHIP IN MATHEMATICS1-12 Credits**

Provides practical experience as a mathematician in government, business or industry. Open to upper division students major in the area of mathematics.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, School Dean, and Academic Vice President is required.

**MATH 401 ADVANCED MATHEMATICS EDUCATION PERSPECTIVES3 Credits**

A capstone course for students in the Mathematics 7-12 Field Endorsement and the Middle Grades (5-9) 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.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**MATH 410 MATHEMATICS SEMINAR1 Credit**

Research, development, and presentation of a formal paper regarding some topic of interest in mathematics.

**Prerequisites:** Junior or above status and a minimum of 9 credit hours of upper division mathematics

**MATH 426 OPERATIONS RESEARCH3 Credits**

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 MATH 151 and MATH 232 or MATH 331 and Sophomore or above status

**MATH 427 NUMBER THEORY3 Credits**

Introduction to the Ring of integers, Euclidean Rings, Chinese Remainder Theorem, divisibility, primes, primitive roots, indices, congruencies, Diophantine equations, quadratic reciprocity, number-theoretic functions, and cryptography, with an emphasis on applications.

**Prerequisites:** MATH 237 and Sophomore or above status

**Dual-listed:** MATH 527

**MATH 429 INTRODUCTION TO MODERN ALGEBRA3 Credits**

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.

**Prerequisites:** MATH 237 with "C" and Junior or above status

**MATH 430 TOPICS IN MATHEMATICS1-3 Credits**

Topics to meet the needs of students who have completed the regular course of study.

**Prerequisites:** Junior or above status

**Notes:** Can be repeated with different emphasis for a maximum of 6 hours credit.

**MATH 433 STATISTICAL METHODS AND DATA ANALYSIS3 Credits**

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.

**Prerequisites:** MATH 232 or MATH 331 and Junior or above status

**MATH 434 INTRODUCTORY ANALYSIS3 Credits**

Structure and topology of the real number line. Completeness, compactness, connectedness. Rigorous treatment of limits, sequences, series, convergence, functions and continuity, derivatives, and selected topics on integration theory.

**Prerequisites:** MATH 237 with "C" and Junior or above status

**MATH 435 SAMPLING TECHNIQUES3 Credits**

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.

**Prerequisites:** MATH 232 or MATH 331 and Junior or above status

**MATH 437 MODERN ALGEBRA3 Credits**

Axiomatic approach to rings, integral domains, polynomials, fields, ideals and factor rings, selected topics in abstract algebra, and an introduction to vector spaces and algebraic coding theory.

**Prerequisites:** MATH 429 and Junior or above status

**MATH 438 NUMERICAL ANALYSIS3 Credits**

Numerical modeling of phenomena using interpolation and approximation, systems of linear equations, integration, and numerical solutions to differential equations.

**Prerequisites:** MATH 252, MATH 330 and Junior or above status

**MATH 439 THEORY OF STATISTICS3 Credits**

Joint distribution concepts, conditional expectations, method of distribution functions, transformation, method of moment-generating functions, order statistics, sampling distributions, central limit theorem, continuous and discrete random variables.

**Prerequisites:** MATH 151, MATH 232 or MATH 331 and Junior or above status

**MATH 440 MATH EDUCATION STANDARDS3 Credits**

An integrated content/pedagogy course on mathematics teaching, assessment, and curriculum standards, based on major content areas of the K-12 curriculum.

**Prerequisites:** 50% of endorsement completed and junior or above status

**MATH 441 COMBINATORICS3 Credits**

Basic Counting Rules, Graph Theory, Generating Functions, Recurrence Relations, Inclusion and Exclusion with prime numbers, Polya's Theory of Counting, the Pigeonhole Principle and Latin Squares

**Prerequisites:** MATH 151 or MATH 138 and Junior or above status

**Dual-listed:** MATH 541

## Bachelor of Science - Education - Middle Level Education Academic Area in Mathematics (Grades 5-9)

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

| Code   | Title  | Credits   |
|--|--|-----------|
| Essential Studies (p. 14)  |  |           |
| Professional Education ( <a href="http://catalog.csc.edu/middle-level-education/">http://catalog.csc.edu/middle-level-education/</a> ) |  |           |
| Core Requirements  |  |           |
| MATH 134   | PLANE TRIGONOMETRY   | 3         |
| MATH 135   | PRE-CALCULUS MATHEMATICS   | 3         |
| MATH 137   | MATHEMATICS FOR PROSPECTIVE ELEMENTARY AND MIDDLE SCHOOL TEACHERS I  | 3         |
| MATH 138   | APPLIED CALCULUS   | 3         |
| MATH 142   | COLLEGE ALGEBRA  | 4         |
| MATH 232   | APPLIED STATISTICS   | 3         |
| or MATH 331  | PROBABILITY AND STATISTICS   |           |
| MATH 235   | MATHEMATICS FOR PROSPECTIVE ELEMENTARY AND MIDDLE SCHOOL TEACHERS II | 3         |
| MATH 238   | MATHEMATICS FOR THE ELEMENTARY TEACHER II                            | 3         |
| MATH 239   | DISCRETE MATHEMATICS   | 3         |
| <b>Total Credits</b>   |  | <b>28</b> |

## Bachelor of Science in Education - Field Endorsement in Mathematics (Grades 6-12)

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

| Code   | Title                                       | Credits   |
|--|---|-----------|
| Essential Studies (p. 14)  |   |           |
| Professional Education ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |   |           |
| Core Requirements  |   |           |
| MATH 151   | CALCULUS I                                  | 5         |
| MATH 237   | HISTORY AND FOUNDATIONS OF MATHEMATICS      | 3         |
| MATH 252   | CALCULUS II                                 | 5         |
| MATH 330   | DIFFERENTIAL EQUATIONS <sup>1</sup>         | 3         |
| MATH 331   | PROBABILITY AND STATISTICS                  | 3         |
| MATH 334   | COLLEGE GEOMETRY                            | 3         |
| MATH 336   | CALCULUS III                                | 3         |
| MATH 337   | LINEAR ALGEBRA                              | 3         |
| MATH 401   | ADVANCED MATHEMATICS EDUCATION PERSPECTIVES | 3         |
| MATH 410   | MATHEMATICS SEMINAR                         | 1         |
| MATH 429   | INTRODUCTION TO MODERN ALGEBRA              | 3         |
| MATH 434   | INTRODUCTORY ANALYSIS                       | 3         |
| <b>Total Credits</b>   |   | <b>38</b> |

<sup>1</sup> MATH 330 DIFFERENTIAL EQUATIONS will serve as the course for the mathematical modeling requirement of this endorsement.

## Bachelor of Science – Subject Major in Mathematics

A student must complete the following program in addition to Essential Studies Program and a major or minor in another area. Transfer students must complete at least one-half of the major at Chadron State College. An unduplicated course from upper division courses in mathematics will be taken to satisfy the Essential Studies mathematics requirement.

| Code                          | Title                                  | Credits   |
|-------------------------------|--|-----------|
| Essential Studies (p. 14)     |  |           |
| Core Requirements             |  |           |
| MATH 151                      | CALCULUS I                             | 5         |
| MATH 237                      | HISTORY AND FOUNDATIONS OF MATHEMATICS | 3         |
| MATH 252                      | CALCULUS II                            | 5         |
| MATH 330                      | DIFFERENTIAL EQUATIONS                 | 3         |
| MATH 331                      | PROBABILITY AND STATISTICS             | 3         |
| MATH 336                      | CALCULUS III                           | 3         |
| MATH 337                      | LINEAR ALGEBRA                         | 3         |
| MATH 410                      | MATHEMATICS SEMINAR                    | 1         |
| MATH 429                      | INTRODUCTION TO MODERN ALGEBRA         | 3         |
| MATH 434                      | INTRODUCTORY ANALYSIS                  | 3         |
| Upper-division Math Electives |  | 4         |
| <b>Total Credits</b>          |  | <b>36</b> |

## Applied Statistics Minor

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

| Code                 | Title                                 | Credits   |
|----------------------|---------------------------------------|-----------|
| MATH 331             | PROBABILITY AND STATISTICS            | 3         |
| MATH 337             | LINEAR ALGEBRA                        | 3         |
| MATH 426             | OPERATIONS RESEARCH                   | 3         |
| MATH 433             | STATISTICAL METHODS AND DATA ANALYSIS | 3         |
| MATH 435             | SAMPLING TECHNIQUES                   | 3         |
| MATH 439             | THEORY OF STATISTICS                  | 3         |
| MATH 441             | COMBINATORICS                         | 3         |
| <b>Total Credits</b> |                                       | <b>21</b> |

## Data Analytics Minor

A student must complete the following program in addition to a major and the Essential Studies requirements. It is recommended that MATH 151 - Calculus I be taken to satisfy Student Learning Outcome #4 in the Essential Studies Program.

| Code     | Title                                       | Credits |
|----------|---|---------|
| MATH 200 | INTRO TO DATA ANALYTICS                     | 3       |
| MATH 201 | INTRO TO PROGRAMMATIC DATA                  | 3       |
| MATH 202 | INTRO TO DATABASE STRUCTURES                | 3       |
| MATH 301 | DATA LIFE CYCLE AND APPLICATION DEVELOPMENT | 3       |
| MATH 302 | APPLIED 'BIG DATA'                          | 3       |
| MATH 426 | OPERATIONS RESEARCH                         | 3       |

|                      |                      |           |
|----------------------|----------------------|-----------|
| MATH 439             | THEORY OF STATISTICS | 3         |
| <b>Total Credits</b> |                      | <b>21</b> |

## Mathematics Minor

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

| Code                                       | Title  | Credits      |
|--|--|--------------|
| MATH 151                                   | CALCULUS I   | 5            |
| MATH 237 & MATH 239 or MATH 252            | HISTORY AND FOUNDATIONS OF MATHEMATICS and DISCRETE MATHEMATICS or CALCULUS II | 5-6          |
| MATH 331                                   | PROBABILITY AND STATISTICS   | 3            |
| Unduplicated upper-division Math Electives |  | 7            |
| <b>Total Credits</b>                       |  | <b>20-21</b> |

## Mental Health and Addictions

### Mental Health and Addiction Minors

The Counseling Program's Mental Health and Addiction minors are designed to complement a variety of undergraduate majors for students wishing to incorporate a mental health addiction focus. Four minors will be offered, focusing on alcohol and drug counseling, criminal justice, social welfare, or wellness.

- Students who successfully complete a minor with a focus on criminal justice, social welfare, and wellness will accrue three of the seven courses leading toward licensure as a Provisional Alcohol and Drug Counselor (PLADC) in the state of Nebraska. Additional requirements for licensure include the completion of COUN 127, 133, 225, 235, and 300 hours of supervised practical training in the 12 core functions.
- Students who successfully complete the Alcohol and Drug Counseling minor, and 300 hours of supervised practical training in the 12 core functions, will be eligible to apply for licensure as a Provisional Alcohol and Drug Counselor (PLADC) in the state of Nebraska.
- Students who successfully complete COUN 127, 133, 225, 235, 321, 323, & 331, and 300 hours of supervised practical training in the 12 core functions, will be eligible to apply for licensure as a Provisional Alcohol and Drug Counselor (PLADC) in the state of Nebraska. An undergraduate major or minor is not required to apply for a PLADC in the State of Nebraska.

## Mission

The Mental Health and Addiction minors provide students with an opportunity to focus on Mental Health and Addiction from four distinct perspectives: alcohol and drug counseling, criminal justice, social welfare, or wellness. In addition, we support rural health by providing opportunities for students to meet academic requirements for licensure as a Provisional Alcohol & Drug Counselor (PLADC) in the state of Nebraska.

## Student Learning Outcomes

- Students will identify the professional theories and techniques of addiction counseling.
- Students will explore aspects of counseling ethics and diversity.
- Students will identify medical and psychosocial aspects of addiction.

- Students will explore addiction from an alcohol and drug counseling, criminal justice, social welfare, or wellness perspective.

## Provisional Alcohol and Drug Counselor (PLADC) (<http://dhhs.ne.gov/licensure/pages/alcohol-and-drug-counselor.aspx>)

A Provisional Alcohol and Drug Counselor (PLADC) Is a person working toward full licensure as an Alcohol and Drug Counselor (LADC). He or she is working to obtain the required 6,000 hours of supervised paid clinical work experience in alcohol and drug counseling. An Alcohol and Drug Counselor (LADC) is a person who provides the 12 core functions (<http://dhhs.ne.gov/licensure/Documents/12%20Core%20Functions.pdf>) of screening, intake, orientation, assessment, treatment planning, counseling (individual, group, and significant others), case management, crisis intervention, client education, referral, reports, record keeping, and consultation, with other professionals in regard to client treatment and services. These core functions are in accordance with the IC&RC/AODA, Inc.

- Mental Health and Addiction - Alcohol and Drug Counseling (p. 116)
- Mental Health and Addiction - Criminal Justice (p. 117)
- Mental Health and Addiction - Social Welfare (p. 117)
- Mental Health and Addiction - Wellness (p. 117)

### COUN 127 LIFESPAN DEVELOPMENT3 Credits

This course will study the nature and needs of individuals at all development levels from birth to death. (LADC Clock Hours-30).

### COUN 133 CLINICAL ADDICTION TREATMENT ISSUES3 Credits

This course will study treatment issues specific to addiction and chemical dependency, such as denial, resistance, minimization, co-occurring disorders, family dynamics, spirituality, and influences of self-help groups. It will incorporate the study of chemical dependency clinical treatment needs of individuals while taking into consideration gender, culture, and lifestyle. (LADC Clock Hours-30).

### COUN 202 SEMINAR/TOPICS IN COUNSELING1-3 Credits

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 publication.

### COUN 225 ADDICTION COUNSELING WITH GROUPS3 Credits

This course will identify theories, processes and dynamics, techniques, and methods of group counseling and facilitation. (LADC Clock Hours-45)  
**Essential Studies:** SLO #3

### COUN 235 ADDICTION ASSESSMENT AND CASE PLANNING3 Credits

This course will explore the process of collecting client data for decision making on alcohol/drug disorder diagnosis, level of care placement, treatment, and referral. It will also study the practice of record keeping, assessment summaries, treatment plans, progress notes, discharge plans, clinical case reviews, assessment instruments, and case management activities designed to achieve client treatment goals (LADC Clock Hours-30).

### COUN 321 ADDICTION COUNSELING THEORIES AND TECHNIQUES3

#### Credits

This course will include the study and practice of theories, principles, and techniques of counseling. Major counseling theories to include Adlerian, Cognitive Behavioral, Reality, Client-Centered, Gestalt, and others. We will also cover counseling techniques to include attending skills, reflective feedback, paraphrasing, summarizing, therapeutic confrontation, and empathy development. (LADC Clock Hours-45).

**Essential Studies:** SLO #3

**Prerequisites:** Sophomore or above status

### COUN 323 ADDICTION COUNSELING ETHICS AND DIVERSITY3 Credits

This course will explore the ethical standards of addiction counseling. This will include the application of ethical principles such as non-discrimination, integrity, competence, and client welfare to diverse populations. It will also address cultural, social, lifestyle, spiritual, and economic factors relevant to the provision of competent counseling to varied and multicultural populations. (LADC Clock Hours-45).

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

### COUN 331 MEDICAL AND PSYCHOSOCIAL ADDICTION ASPECTS3 Credits

This course will study the physiological, psychological, and sociological aspects of alcohol/drug use, abuse, and dependence. It will explore the processes of dependence, addiction, and withdrawal along with associated signs, symptoms, and behavior patterns. It will also include the study of drug types and pharmacology. (LADC Clock Hours-45).

**Essential Studies:** SLO #11

**Prerequisites:** Sophomore or above status

### COUN 402 SEMINAR/TOPICS IN COUNSELING1-3 Credits

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 publication.

**Prerequisites:** Junior or above status

## Mental Health and Addiction - Alcohol and Drug Counseling Minor

The Mental Health and Addiction - Alcohol and Drug Counseling minor is designed to complement a variety of undergraduate majors wishing to incorporate a mental health addiction focus. Students who successfully complete this minor, and 300 hours of supervised practical training in the 12 core functions, will be eligible to apply for licensure as a Provisional Alcohol & Drug Counselor (PLADC) in the state of Nebraska.

## Mental Health and Addiction - Alcohol and Drug Counseling Minor

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

| Code                     | Title  | Credits |
|--------------------------|--|---------|
| <b>Core Requirements</b> |  |         |
| COUN 127                 | LIFESPAN DEVELOPMENT                         | 3       |
| COUN 133                 | CLINICAL ADDICTION TREATMENT ISSUES          | 3       |
| COUN 225                 | ADDICTION COUNSELING WITH GROUPS             | 3       |
| COUN 235                 | ADDICTION ASSESSMENT AND CASE PLANNING       | 3       |
| COUN 321                 | ADDICTION COUNSELING THEORIES AND TECHNIQUES | 3       |
| COUN 323                 | ADDICTION COUNSELING ETHICS AND DIVERSITY    | 3       |

|          |  |   |
|----------|--|---|
| COUN 331 | MEDICAL AND PSYCHOSOCIAL ADDICTION ASPECTS | 3 |
|----------|--|---|

**Total Credits** 21

## Mental Health and Addiction - Criminal Justice Minor

The Mental Health and Addiction - Criminal Justice minor is designed to complement a variety of undergraduate majors wishing to incorporate a mental health addiction focus. Students who successfully complete this minor will have three of the seven courses required to apply for licensure as a Provisional Alcohol & Drug Counselor (PLADC) in the state of Nebraska. Additional requirements for licensure include the completion of COUN 127, 133, 225, & 235, and 300 hours of supervised practical training in the 12 core functions.

## Mental Health and Addiction - Criminal Justice Minor

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

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| Core Requirements            |  |           |
| CJ 231                       | INTRODUCTION TO CRIMINAL JUSTICE             | 3         |
| CJ 435                       | DRUGS, ALCOHOL AND CRIME                     | 3         |
| COUN 321                     | ADDICTION COUNSELING THEORIES AND TECHNIQUES | 3         |
| COUN 323                     | ADDICTION COUNSELING ETHICS AND DIVERSITY    | 3         |
| COUN 331                     | MEDICAL AND PSYCHOSOCIAL ADDICTION ASPECTS   | 3         |
| Select two of the following: |  | 6         |
| CJ 239                       | CRIMINOLOGY                                  |           |
| CJ 249                       | VICTIMOLOGY                                  |           |
| CJ 332                       | JUVENILE DELINQUENCY                         |           |
| SW 434                       | POLICY ANALYSIS AND ADVOCACY                 |           |
| <b>Total Credits</b>         |  | <b>21</b> |

## Mental Health and Addiction - Social Welfare Minor

The Mental Health and Addiction - Social Welfare minor is designed to complement a variety of undergraduate majors wishing to incorporate a mental health addiction focus. Students who successfully complete this minor will have three of the seven courses required to apply for licensure as a Provisional Alcohol & Drug Counselor (PLADC) in the state of Nebraska. Additional requirements for licensure include the completion of COUN 127, 133, 225, & 235, and 300 hours of supervised practical training in the 12 core functions.

## Mental Health and Addiction - Social Welfare Minor

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

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| Core Requirements    |  |           |
| COUN 321             | ADDICTION COUNSELING THEORIES AND TECHNIQUES | 3         |
| COUN 323             | ADDICTION COUNSELING ETHICS AND DIVERSITY    | 3         |
| COUN 331             | MEDICAL AND PSYCHOSOCIAL ADDICTION ASPECTS   | 3         |
| FCS 420              | LOSS ACROSS THE LIFESPAN                     | 3         |
| SW 231               | PROFESSIONAL SOCIAL WORK                     | 3         |
| SW 251               | HUMAN BEHAVIOR/SOCIAL ENVIRONMENT I          | 3         |
| SW 332               | SERVICES TO ELDERLY AND DIFFERENTLY ABLED    | 2         |
| <b>Total Credits</b> |  | <b>20</b> |

## Mental Health and Addiction - Wellness Minor

The Mental Health and Addiction - Wellness minor is designed to complement a variety of undergraduate majors wishing to incorporate a mental health addiction focus. Students who successfully complete this minor will have three of the seven courses required to apply for licensure as a Provisional Alcohol & Drug Counselor (PLADC) in the state of Nebraska. Additional requirements for licensure include the completion of COUN 127, 133, 225, & 235, and 300 hours of supervised practical training in the 12 core functions.

## Mental Health and Addiction - Wellness Minor

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

| Code                         | Title  | Credits   |
|------------------------------|--|-----------|
| Core Requirements            |  |           |
| COUN 321                     | ADDICTION COUNSELING THEORIES AND TECHNIQUES | 3         |
| COUN 323                     | ADDICTION COUNSELING ETHICS AND DIVERSITY    | 3         |
| COUN 331                     | MEDICAL AND PSYCHOSOCIAL ADDICTION ASPECTS   | 3         |
| FCS 234                      | INTRODUCTION TO HEALTH AND HUMAN SERVICES    | 3         |
| FCS 420                      | LOSS ACROSS THE LIFESPAN                     | 3         |
| Select two of the following: |  | 6         |
| FCS 337                      | GUIDANCE TECHNIQUES IN HUMAN RELATIONS       |           |
| FCS 417                      | LIFESPAN WELLNESS                            |           |
| FCS 434                      | ISSUES IN HEALTH AND HUMAN SERVICES          |           |
| FCS 437                      | FAMILY STRENGTHS                             |           |
| FCS 457                      | NUTRITION FOR COMMUNITY WELLNESS             |           |
| <b>Total Credits</b>         |  | <b>21</b> |

## Military Science Leadership – ROTC Program

### Mission

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 non-commissioned 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.

## Student Learning Outcomes

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

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

In the traditional four-year program, the student enrolls in eight consecutive semesters of MSL courses, two (2) course credits each semester for the first two (2) years, and four (4) course credits 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

ROTC  
Chadron State College  
Crites Hall  
308-432-6030  
<http://www.csc.edu/rotc/>

## 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 Courses consist of the first four semesters of MSL, including

| Code           | Title  | Credits |
|----------------|--|---------|
| MSL 101 & 101L | INTRODUCTION TO THE ARMY and INTRODUCTION TO THE ARMY LABORATORY | 3       |

|                      |  |          |
|----------------------|--|----------|
| MSL 102 & 102L       | FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP and FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP LABORATORY | 2        |
| MSL 201 & 201L       | LEADERSHIP AND DECISION MAKING and LEADERSHIP AND DECISION MAKING LABORATORY                             | 2        |
| MSL 202 & 202L       | ARMY DOCTRINE AND TEAM DEVELOPMENT and ARMY DOCTRINE AND TEAM DEVELOPMENT LABORATORY                     | 2        |
| <b>Total Credits</b> |  | <b>9</b> |

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 Courses consist of the last four semesters of the ROTC program. The Advanced Courses are 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

| Code                 | Title  | Credits  |
|----------------------|--|----------|
| MSL 101 & 101L       | INTRODUCTION TO THE ARMY and INTRODUCTION TO THE ARMY LABORATORY   | 3        |
| MSL 102 & 102L       | FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP and FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP LABORATORY | 2        |
| MSL 201 & 201L       | LEADERSHIP AND DECISION MAKING and LEADERSHIP AND DECISION MAKING LABORATORY                             | 2        |
| MSL 202 & 202L       | ARMY DOCTRINE AND TEAM DEVELOPMENT and ARMY DOCTRINE AND TEAM DEVELOPMENT LABORATORY                     | 2        |
| <b>Total Credits</b> |  | <b>9</b> |

## Advanced Courses

| Code                 | Title   | Credits   |
|----------------------|---|-----------|
| HIST 460             | AMERICAN MILITARY HISTORY   | 3         |
| MSL 301 & 301L       | TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS and TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS | 4         |
| MSL 302 & 302L       | APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS and APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS LABORATORY  | 4         |
| MSL 394              | ADVANCED MILITARY SCIENCE INTERNSHIP  | 4         |
| MSL 401 & 401L       | THE ARMY OFFICER and THE ARMY OFFICER LABORATORY  | 4         |
| MSL 402 & 402L       | COMPANY GRADE LEADERSHIP and COMPANY GRADE LEADERSHIP LABORATORY  | 4         |
| <b>Total Credits</b> |   | <b>23</b> |

Students must additionally complete a course in the following areas to satisfy commissioning requirements:

1. American Military History,
2. Communications, and
3. Computer Literacy.

## 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 Military Science Leadership personnel in the Crites building, office number 003 for course information and credit available.

| Code    | Title                             | Credits |
|---------|-----------------------------------|---------|
| MSL 403 | 3RD YEAR ADV MILITARY SCIENCE I   | 2       |
| MSL 404 | 3RD YEAR ADV MILITARY SCIENCE II  | 2       |
| MSL 411 | DEVELOPING SUBORDINATE LEADERS I  | 3       |
| MSL 412 | DEVELOPING SUBORDINATE LEADERS II | 3       |
| MSL 491 | ADV INTERNSHIP IN LEADERSHIP      | 1       |
| MSL 494 | LEADER DEVELOPMENT & ASSESSMENT   | 3       |

## Financial Information

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

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

## Extracurricular Activities

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

## Minor in Military Science

| Code           | Title   | Credits |
|----------------|---|---------|
| MSL 109        | MILITARY FITNESS  | 3       |
| MSL 301 & 301L | TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS and TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS | 4       |

|                      |  |           |
|----------------------|--|-----------|
| MSL 302 & 302L       | APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS and APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS LABORATORY | 4         |
| MSL 401 & 401L       | THE ARMY OFFICER and THE ARMY OFFICER LABORATORY   | 4         |
| MSL 402 & 402L       | COMPANY GRADE LEADERSHIP and COMPANY GRADE LEADERSHIP LABORATORY                                       | 4         |
| HIST 460             | AMERICAN MILITARY HISTORY  | 3         |
| <b>Total Credits</b> |  | <b>22</b> |

### MSL 101 INTRODUCTION TO THE ARMY2 Credits

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.

**Essential Studies:** SLO #9

**Co-requisites:** MSL 101L

### MSL 101L INTRODUCTION TO THE ARMY LABORATORY1 Credit

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.

**Essential Studies:** SLO #9

**Co-requisites:** MSL 101

### MSL 102 FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP1 Credit

Learn and apply principles of effective leadership. Reinforce self-confidence through participation in physically and mentally challenging exercise with upper-division ROTC students. Develop communication skill to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader.

**Co-requisites:** MSL 102L

### MSL 102L FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP LABORATORY1 Credit

Provides students with hands-on experience to supplement and reinforce classroom instruction. Subjects addressed include drill and ceremonies, physical fitness training, marksmanship, first aid, rappelling and basic mountaineering skills, voluntary off campus activities reinforce course work.

**Co-requisites:** MSL 102

### MSL 109 MILITARY FITNESS3 Credits

Military fitness is a conditioning course designed to provide students with military fitness training techniques and methods used in the U.S. Army. This course will primarily be work-out oriented with emphasis on physical fitness goals and demonstrated student participation in physical training activities.

**Essential Studies:** SLO #11

### MSL 201 LEADERSHIP AND DECISION MAKING1 Credit

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 ROTC's leadership assessment program.

**Co-requisites:** MSL 201L

**MSL 201L LEADERSHIP AND DECISION MAKING LABORATORY1 Credit**

Students will develop leadership and management skills by being given the opportunity to perform duties in various leadership positions. Emphasis is placed on the development of leadership and managerial skills. Course is supplemented with instruction on the use of a lensatic compass and a topographic map, as well as various survival skills. Voluntary off campus activities reinforce course work.

**Co-requisites:** MSL 201

**MSL 202 ARMY DOCTRINE AND TEAM DEVELOPMENT1 Credit**

Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security and methods of pre-execution checks. Practical exercises with upper-division ROTC students. Learn techniques for training others as an aspect of continued leadership development.

**Co-requisites:** MSL 202L

**MSL 202L ARMY DOCTRINE AND TEAM DEVELOPMENT LABORATORY1 Credit**

Students are provided the opportunity to reinforce classroom leadership and management training with practical experience. Students will also receive training in small unit tactics and use of the m-16 rifle. Voluntary off campus activities reinforce course work.

**Co-requisites:** MSL 202

**MSL 301 TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS2 Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 301L

**MSL 301L TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS2 Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 301

**MSL 302 APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS2 Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 302L

**MSL 302L APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS LABORATORY2 Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 302

**MSL 394 ADVANCED MILITARY SCIENCE INTERNSHIP1-12 Credits**

Provide practical experience within the military environment.

**Notes:** See military advisor to secure the proper documents and assignment approvals for the internship.

**MSL 401 THE ARMY OFFICER2 Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 401L

**MSL 401L THE ARMY OFFICER LABORATORY2 Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 401

**MSL 402 COMPANY GRADE LEADERSHIP2 Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 402L

**MSL 402L COMPANY GRADE LEADERSHIP LABORATORY2 Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 402

**MSL 403 3RD YEAR ADV MILITARY SCIENCE I2 Credits**

Provides a transition to entering active or reserve commissioned service, including an in-depth study of military decision making, giving experience in planning and conducting squad and platoon level military exercises and leadership. Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills.

**Prerequisites:** Junior or above status

**MSL 404 3RD YEAR ADV MILITARY SCIENCE II2 Credits**

Provides an in-depth study of military decision-making, giving experience in planning and conducting military exercises at squad and platoon level, including an opportunity to develop leadership techniques. Study includes case study analysis of military law and practical experiences on establishing an ethical command climate. Students must complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills.

**Prerequisites:** MSL 401, MSL 402, MSL 403, and Junior or above status

**MSL 411 DEVELOPING SUBORDINATE LEADERS I3 Credits**

Advanced study in management skills involved with leadership within the armed forces. Includes practical experience working with cadets in leadership functions.

**Prerequisites:** Junior or above status



**MSL 412 DEVELOPING SUBORDINATE LEADERS II3 Credits**

A continuation of MSL 411 for students requiring the fifth year.

**Prerequisites:** Junior or above status

**Notes:** Students may enroll in only one of the courses or both at the advice of their military advisor.

**MSL 491 ADV INTERNSHIP IN LEADERSHIP1-3 Credits**

Provide practical experience in leadership role within a military environment.

**Notes:** See military advisor to secure the proper documents and assignment approvals for the internship.

**MSL 494 LEADER DEVELOPMENT & ASSESSMENT3 Credits**

Summer Camp experience at a base facility. This experience will include assessments of the cadets.

## Museum Studies

### Mission

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. Through classroom study, practical application, and individualized attention, the Museum Studies program is designed to allow students to personalize their course of study to their career outcomes.

### Student Learning Outcomes

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

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

- Museum Studies (p. 121)

**MS 160 SPECIAL TOPICS IN MUSEUMS1-3 Credits**

Special topics of current interest are considered in depth. Topics may include caring for photographs, textiles, and historic costumes. May be repeated with a different topic. There are usually no prerequisites for these courses.

**Notes:** Multiple sections of this course cannot be substituted for another course in the Museum Studies Program.

**MS 235 INTRODUCTION TO ARCHIVAL COLLECTIONS3 Credits**

This course will introduce students to the history and social value of records and archives, the theory of archival practice, and to the applications of archival theory in the digital world.

**MS 319 HISTORY AND THEORY OF MUSEUMS3 Credits**

This course is an introduction to and survey of the history and philosophy of the development of the museum in America and Western Europe. In addition, students will learn about the different types of museums and influential people who helped in the development of the modern museum profession.

**MS 330 MANAGEMENT AND CARE OF COLLECTIONS3 Credits**

This course will introduce students to the professional principles and practices in the care and management of collections housed in museums and research facilities. Topics covered will include museum registration methods, cataloging, collection care, agents of deterioration, and application of the rules of properly handling, storing and caring for museum collections.

**Prerequisites:** Sophomore or above status

**MS 331 EXHIBIT DESIGN3 Credits**

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 as well as learn basic principles of exhibit design, fabrication, and preparation techniques. Students are also introduced to exhibition-related conservation issues and assessment of visitor needs.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**MS 333 MUSEUM ADMINISTRATION3 Credits**

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.

**Prerequisites:** Sophomore or above status

**MS 340 MUSEUM EDUCATION3 Credits**

This course introduces students to the educational role of museums and informal learning centers. A variety of methods including hands-on activities, self-teaching materials, technology, outreach, tours are explored through exercises and projects. Issues covered include current trends, learning theories and styles, learning from objects, diverse audiences, museum/school partnerships and the role of education in exhibit development.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**MS 390 INTERNSHIP IN MUSEUM STUDIES1-12 Credits**

Students will gain practical experience while working with a museum or collection. Open to upper division students.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 qualification of the applicant and the number of hours the student can work.

## Minor in Museum Studies

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

| Code   | Title                                | Credits |
|--------|--------------------------------------|---------|
| MS 235 | INTRODUCTION TO ARCHIVAL COLLECTIONS | 3       |
| MS 319 | HISTORY AND THEORY OF MUSEUMS        | 3       |
| MS 330 | MANAGEMENT AND CARE OF COLLECTIONS   | 3       |
| MS 331 | EXHIBIT DESIGN                       | 3       |
| MS 333 | MUSEUM ADMINISTRATION                | 3       |
| MS 340 | MUSEUM EDUCATION                     | 3       |

|                      |                              |           |
|----------------------|------------------------------|-----------|
| MS 390               | INTERNSHIP IN MUSEUM STUDIES | 3         |
| <b>Total Credits</b> |                              | <b>21</b> |

## Music

### Mission

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

### Student Learning Outcomes

Students will:

- Demonstrate acquired musical skills by performing alone and in ensembles.
- Notate, analyze, and describe music using a common vocabulary.
- Develop an appreciation for and knowledge of the history of music as it relates to form, style, performance practice, and the other arts.
- Formulate strategies and demonstrate skills directly related to their degree program.

### Admission to the Music Program

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

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

### Proficiencies and Requirements

1. Music majors and minors are encouraged to participate in the major performing ensemble directly related to their major performing instrument/voice throughout their entire program, excluding the professional year for education majors and during internship (music industry option). These ensembles include Wind Symphony and Concert Choir for the Bachelor of Science degree programs, and Wind Symphony, Concert Choir, and Guitar Ensemble for the Bachelor of Arts.
2. Attendance at department-approved musical programs is required of all full-time music majors and minors enrolled in applied music lessons. Students enrolled in applied music major or minor lessons must also be co-enrolled in MUS 101 STUDENT RECITAL.
3. New incoming students must take the theory and piano placement exams during the first week of classes.

4. Students in all degree programs (B.S.E. and B.A.) are required to pass a Piano Proficiency Examination before attempting the MUS 299 SOPHOMORE QUALIFYING EXAM on their major instrument.
5. The Department of Music requires that music majors and minors receive a grade of "C" or higher in all music coursework in order to receive departmental approval for graduation.
6. Transfer students from a two (2) year institution must complete 50% of the required courses for the music major.
7. In accordance with standards set by the National Association of Schools of Music (NASM), all majors will develop an awareness of non-Western music. The following courses will satisfy the requirement:

| Code      | Title                       | Credits |
|-----------|-----------------------------|---------|
| FYI 169MU | OPENING PANDORA'S MUSIC BOX | 3       |
| MUS 330   | AMERICAN POPULAR MUSIC      | 3       |

- Bachelor of Arts - Subject Major in Music Studies (p. 135)
- Bachelor of Arts - Comprehensive Major in Music (p. 134)
- Bachelor of Science - Education - Field Endorsement in Music (Grades PK-12) (p. 136)
- Bachelor of Science - Education - Subject Endorsement in Vocal Music (Grades PK-12) (p. 136)
- Music (p. 137)

#### MUS 100 ELECTIVE PRIVATE MUSIC INSTRUCTION1 Credit

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

#### MUS 100A ELECTIVE PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

#### MUS 100B ELECTIVE PRIVATE MUSIC INSTRUCTION/BASS GUITAR1 Credit

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

#### MUS 100C ELECTIVE PRIVATE MUSIC INSTRUCTION/BASSOON1 Credit

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

#### MUS 100D ELECTIVE PRIVATE MUSIC INSTRUCTION/CELLO1 Credit

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent



**MUS 100Y ELECTIVE PRIVATE MUSIC INSTRUCTION/COLLAB PIANO1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 101 STUDENT RECITAL0 Credits**

Course includes selective student performances by music majors and minors and supplemental instruction related to private music lessons. Registration is required each semester for all full-time music majors and minors enrolled in applied music courses.

**MUS 102 WIND SYMPHONY1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**MUS 103 CONCERT CHOIR1 Credit**

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.

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**MUS 104 VOCAL JAZZ ENSEMBLE1 Credit**

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 BAND1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 106 JAZZ AND POP COMBO1 Credit**

Open to all students who qualify by auditions. This ensemble gives a minimum of one concert performance each semester.

**MUS 107 WOODWIND ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 108 BRASS ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 109 PERCUSSION ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 110 KEYBOARD ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Essential Studies:** SLO #5

**MUS 111 GUITAR ENSEMBLE1 Credit**

Guitar ensemble offers practical experience in the study and performance of standard and avant-garde repertoire for the modern electric guitar.

**Essential Studies:** SLO #5

**Add Consent:** Instructor Consent

**Notes:** This course can satisfy 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.

**MUS 112 MUSIC THEORY FOUNDATIONS3 Credits**

This course prepares students for successful completion of the music theory sequence. Skills emphasized include music reading and writing, ear training, and fundamental concepts of music theory, including major and minor keys, intervals, and triads.

**MUS 115 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115A PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115B PRIVATE MUSIC INSTRUCTION/BASS GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115C PRIVATE MUSIC INSTRUCTION/BASSOON1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115E PRIVATE MUSIC INSTRUCTION/CLARINET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115F PRIVATE MUSIC INSTRUCTION/FLUTE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115G PRIVATE MUSIC INSTRUCTION/FRENCH HORN1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115H PRIVATE MUSIC INSTRUCTION/OBOE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115J PRIVATE MUSIC INSTRUCTION/PERCUSSION1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115K PRIVATE MUSIC INSTRUCTION/PIANO1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115L PRIVATE MUSIC INSTRUCTION/SAXOPHONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115M PRIVATE MUSIC INSTRUCTION/TROMBONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115N PRIVATE MUSIC INSTRUCTION/TRUMPET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115P PRIVATE MUSIC INSTRUCTION/TUBA1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115S PRIVATE MUSIC INSTRUCTION/VOICE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115U PRIVATE MUSIC INSTRUCTION/GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 116 PIANO CLASS FOUNDATIONS I1 Credit**

Beginning-level piano instruction for music majors and minors with little or no prior keyboard experience.

**MUS 117 PIANO CLASS FOUNDATIONS III1 Credit**

Continuation of MUS 116. Fundamental keyboard skills for music majors and minors with prior keyboard experience. Students will learn major scales and arpeggios, simple chord progressions, 12-Bar blues, sight-reading skills, fundamentals of harmonization and transposition at the keyboard, and the basics of music improvisation.

**Prerequisites:** MUS 116

**MUS 118 PIANO CLASS FOUNDATIONS IIII1 Credit**

Continuation of MUS 117. Further development of keyboard skills. Students will learn harmonic minor scales and arpeggios, more advanced sight-reading, harmonizations and transpositions that include 7th chords, more complex chord progressions, basics of instrumental and choral score reading, improvisation, and basic accompanying skills.

**Prerequisites:** MUS 117

**MUS 120 CHADRON STATE COMMUNITY CHORUS0-1 Credits**

The Chadron Community Chorus is a choir of mixed voices and is open to all students and community members without audition. This choir performs a wide array of literature from standard to contemporary choral repertoire and gives at least one concert performance each semester.

**Notes:** This course may be taken for repeated credit.

**Requirements:** All students who are enrolled full-time must take this course for credit.

**MUS 121 CHADRON STATE COMMUNITY SYMPHONIC BAND0-1 Credits**

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

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**Requirements:** All students who are enrolled full-time must take this course for credit.

**MUS 122 CSC REGIONAL JAZZ BAND0-1 Credits**

The CSC Regional Jazz Band brings together college students, area high school students, and community members to study, rehearse, and perform jazz music. Open to all who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Notes:** This course may be taken for repeated credit.

**Requirements:** All students who are enrolled full-time must take this course for credit.

**MUS 124 WOMEN'S VOCAL ENSEMBLE1 Credit**

Open to all women by audition. This ensemble performs regular concerts covering a variety of styles and musical genres.

**MUS 125 MEN'S VOCAL ENSEMBLE1 Credit**

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 EAGLE BAND0-1 Credits**

Open to all students who qualify by audition. The Eagle Band serves the college and community through performance at parades, football games, and basketball games.

**MUS 131 THEORY I3 Credits**

This course focuses on the rudiments of Western classical music, including intervals, chords, and scales, and introduces students to the principles of tonal harmony.

**Prerequisites:** MUS 112 or permission of music theory coordinator

**Co-requisites:** MUS 131L and MUS 117.

**MUS 131L THEORY I LABORATORY1 Credit**

Development of aural skills through singing and active listening and is coordinated with the content of Theory I.

**Co-requisites:** MUS 131

**MUS 132 THEORY II3 Credits**

Basic principles of Western harmony, utilizing and analytical and compositional skills to develop an understanding of structural components in tonal music.

**Prerequisites:** MUS 131 and MUS 131L

**Co-requisites:** MUS 132L and MUS 118

**MUS 132L THEORY II LABORATORY1 Credit**

This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory II, including examination of phrase structure.

**Prerequisites:** MUS 131L

**Co-requisites:** MUS 132

**MUS 141 MUSIC PATHWAYS: CREATING YOUR CAREER2 Credits**

Music Pathways helps students create their own path toward a career in music, investigating degree options and examining the skills involved for success professionally. Students will consider how various musical skills impact career choices. Students will consider options for themselves as they plan their study at Chadron State College. This course is offered every fall semester.

**MUS 149 EAGLE DRUM LINE1 Credit**

The CSC Eagle Drum Line performs at events sponsored by various organizations on the CSC campus and also at events sponsored by groups and institutions off-campus. Events may include but are not limited to CSC sporting events, parades, pep rallies, grand openings, conferences, faculty meetings, and other events by request.

**Add Consent:** Instructor Consent

**Requirements:** Open to students who qualify by audition. Previous experience in music is required.

**MUS 155 MUSIC TECHNOLOGY2 Credits**

Technology is now an integral part of any career in music. Knowledge of sound files, notation software, and sound reinforcement is essential for any professionals in the field. This class will explore programs that are vital within the music industry.

**MUS 156 MUSIC TECHNOLOGY IN EDUCATION3 Credits**

Current and future music educators are in perpetual need of developing new techniques in the music classroom. Innovations can continue to be developed through the use of computer programs designed to enhance pedagogy in the music curriculum, PK-12. This class will not only explore programs that meet the current industry standard, but also include study of freeware available for programs on a budget.

**MUS 199 ADMISSION TO CANDIDACY0 Credits**

Performance assessment required of all music majors during the second semester of enrollment in private music instruction.

**Prerequisites:** At least one prior semester of MUS 115 and must be taken concurrently with MUS 115

**Co-requisites:** MUS 131L or department consent

**MUS 215 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215A PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215B PRIVATE INSTR: BASS GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215C PRIVATE MUSIC INSTRUCTION/BASSOON1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215E PRIVATE MUSIC INSTRUCTION/CLARINET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215F PRIVATE MUSIC INSTRUCTION/FLUTE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215G PRIVATE MUSIC INSTRUCTION/FRENCH HORN1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215H PRIVATE MUSIC INSTRUCTION/OBOE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215J PRIVATE MUSIC INSTRUCTION/PERCUSSION1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215K PRIVATE MUSIC INSTRUCTION/PIANO1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215L PRIVATE MUSIC INSTRUCTION/SAXOPHONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215M PRIVATE MUSIC INSTRUCTION/TROMBONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215N PRIVATE MUSIC INSTRUCTION/TRUMPET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215P PRIVATE MUSIC INSTRUCTION/TUBA1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215S PRIVATE MUSIC INSTRUCTION/VOICE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215U PRIVATE MUSIC INSTRUCTION/GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 216 GUITAR CLASS3 Credits**

Beginner-level guitar instruction designed for the non-music major student. The basic elements of playing the guitar, including both chordal and solo techniques. Guitars are provided.

**Essential Studies:** SLO #5

**MUS 220 FUNCTIONAL PIANO2 Credits**

Students will develop skills in nine areas of keyboard playing: (1) harmonization, (2) improvisation, (3) sight-reading, (4) instrumental and (5) choral score-reading, (6) performance of major and minor scales, (7) transposition, (8) playing by ear, and (9) repertoire preparation.

**Prerequisites:** MUS 118 or departmental approval

**Co-requisites:** MUS 298

**MUS 227 SURVEY OF MUSIC HISTORY3 Credits**

Survey of Music History will examine the history of Western Classical music, including the Medieval, Renaissance, Baroque, Classical, Romantic, and 20th-Century periods, considering the cultural, social, economic, psychological, and political aspects of human behavior.

**Prerequisites:** MUS 131

**MUS 230 VOICE CLASS FOR NON-MAJORS1 Credit**

Beginning vocal instruction and master class for non-music majors. Includes a study of vocal techniques and their application in selected vocal literature.

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**MUS 231 THEORY III3 Credits**

This course applies the skills learned in Theory I and II to the structural level, exploring approaches to chromaticism and modulation, and utilizing these techniques through composition and analysis of Baroque, Classical, and Romantic forms.

**Prerequisites:** MUS 132 and MUS 132L

**Co-requisites:** MUS 231L and MUS 220

**MUS 231L THEORY III LABORATORY1 Credit**

This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory III, including aural recognition of structure.

**Prerequisites:** MUS 132L

**Co-requisites:** MUS 231

**MUS 232 THEORY IV2 Credits**

This course introduces and explores a broad range of analytical and compositional techniques and issues relevant to twentieth-century music. Topics will include pitch-class set theory, atonality, 12-tone techniques, serialism, and polytonality, and will include synthesizing concepts in compositions.

**Prerequisites:** MUS 131 and Sophomore or above status

**MUS 233 MUSIC FOR THE CLASSROOM TEACHER3 Credits**

Materials and methods pertaining to the integration of music in the elementary classroom. Stresses demonstration and class participation.

**Notes:** It is strongly recommended that students with no background in music take MUS 112 prior to taking MUS 233.

**Requirements:** Required for all elementary education majors.

**MUS 235 MUSIC APPRECIATION3 Credits**

This course focuses on how to listen to and appreciate the human and cultural values of various styles of music as well as learning the significance of music as cultural and aesthetic expression.

**Essential Studies:** SLO #7

**Notes:** For non-music majors.

**MUS 236 TOPICS IN MUSIC0-3 Credits**

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.

**Notes:** May be repeated with different emphasis.

**MUS 237 JAZZ IMPROVISATION I2 Credits**

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 238 DICTION I2 Credits**

This course covers the study of diction in three languages: Latin, Italian, and Spanish. The International Phonetic Alphabet will be used in analyzing song texts in terms of diction and pronunciation.

**Prerequisites:** Sophomore or above status

**MUS 239 DICTION II2 Credits**

This course covers the study of diction in three languages: German, French, and English. The International Phonetic Alphabet will be used in analyzing song texts in terms of diction and pronunciation.

**Prerequisites:** MUS 238

**MUS 240 PRINCIPLES OF CONDUCTING2 Credits**

A study of basic conducting techniques. Emphasis is placed upon the mastery of simple patterns, cues and expressive gestures and on common problems in leading group singing and in directing musical ensembles.

**MUS 250 MUSIC EDUCATION PRACTICUM, VOCAL1 Credit**

Techniques of voice production. Will include evaluations of the scientific, psychological, physiological, and empirical methods of teaching voice. Techniques of developing the young voice will be emphasized. This course is offered in the fall of odd-numbered years.

**Notes:** This course is offered in the fall of odd-numbered years.

**MUS 251 MUSIC EDUCATION PRACTICUM, FIELD0-1 Credits**

Introduction to the study of the voice, wind, percussion, and string instruments. Students will gain practical performing skills for public school teachers.

**Notes:** May be taken for repeated credit.

**MUS 252 MUSIC EDUCATION PRACTICUM, VOCAL1 Credit**

Students will complete any remaining student learning outcomes introduced in MUS 250.

**Prerequisites:** MUS 250

**MUS 267 THE VIRTUAL MUSICIAN3 Credits**

In this course, we will explore how to create, sample, mix, loop, and edit digital music using GarageBand. This course is designed for non music majors. No prior music reading or playing skills are necessary.

**Essential Studies:** SLO #5

**MUS 268 BASIC PIANO SKILLS3 Credits**

Beginning-level group piano instruction for students with no prior piano playing experience. This course is designed for non music majors. No prior music reading or playing skills are necessary.

**Essential Studies:** SLO #5

**MUS 298 PIANO PROFICIENCY EXAM0 Credits**

Students will demonstrate acquired skills in the following areas of keyboard playing: (1) harmonization, (2) sight-reading, (3) instrumental and (4) choral score-reading, (5) performance of major and harmonic minor scales, (6) transposition, and (7) repertoire preparation.

**Co-requisites:** MUS 220 or departmental approval

**MUS 299 SOPHOMORE QUALIFYING EXAM0 Credits**

Performance assessment required of all music majors prior to enrollment into upper-division private music instruction. A student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215) to present the qualifying exam.

**Prerequisites:** MUS 199 and at least one prior semester of MUS 215

**Co-requisites:** MUS 215 and MUS 220

**MUS 300 ELECTIVE PRIVATE MUSIC INSTRUCTION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300A ELECTIVE PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300B ELECTIVE PRIVATE MUSIC INSTRUCTION/BASS1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300C ELECTIVE PRIVATE MUSIC INSTRUCTION/BASSOON1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300D ELECTIVE PRIVATE MUSIC INSTRUCTION/CELLO1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300E ELECTIVE PRIVATE MUSIC INSTRUCTION/CLARINET1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300F ELECTIVE PRIVATE MUSIC INSTRUCTION/FLUTE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300G ELECTIVE PRIVATE MUSIC INSTRUCTION/FRENCH HORN1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300H ELECTIVE PRIVATE MUSIC INSTRUCTION/OBOE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300I ELECTIVE PRIVATE MUSIC INSTRUCTION/ORGAN1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300J ELECTIVE PRIVATE MUSIC INSTRUCTION/PERCUSSION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300K ELECTIVE PRIVATE MUSIC INSTRUCTION/PIANO1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300L ELECTIVE PRIVATE MUSIC INSTRUCTION/SAXOPHONE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent



**MUS 300M ELECTIVE PRIVATE MUSIC INSTRUCTION/TROMBONE1****Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300N ELECTIVE PRIVATE MUSIC INSTRUCTION/TRUMPET1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300O ELECTIVE PRIVATE MUSIC INSTRUCTION/MUSIC COMPOSITION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300P ELECTIVE PRIVATE MUSIC INSTRUCTION/TUBA1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300Q ELECTIVE PRIVATE MUSIC INSTRUCTION/VIOLIN1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300R ELECTIVE PRIVATE MUSIC INSTRUCTION/REPAIR TECHNIQUES1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300S ELECTIVE PRIVATE MUSIC INSTRUCTION/VOICE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300U ELECTIVE PRIVATE MUSIC INSTRUCTION/GUITAR1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300V ELECTIVE PRIVATE MUSIC INSTRUCTION/RECORD TECHNIQUES1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**MUS 300W ELECTIVE PRIVATE INSTRUCTION/WOODWIND1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300X ELECTIVE PRIVATE INSTRUCTION/JAZZ IMPROVISATION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300Y ELECTIVE PRIVATE MUSIC INSTRUCTION/COLLABORATIVE PIANO1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300Z ELECTIVE PRIVATE MUSIC INSTRUCTION/SONGWRITING1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 302 WIND SYMPHONY1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**Notes:** This course may be taken for repeated credit.

**MUS 303 CONCERT CHOIR1 Credit**

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.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**Notes:** This course may be taken for repeated credit.

**MUS 304 VOCAL JAZZ ENSEMBLE1 Credit**

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.

**Prerequisites:** Sophomore or above status

**MUS 305 JAZZ BAND1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 306 JAZZ AND POP COMBO1 Credit**

Open to all students who qualify through auditions. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 307 WOODWIND ENSEMBLE1 Credit**

Open to all students who qualify through audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 308 BRASS ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 309 PERCUSSION ENSEMBLE1 Credit**

Open to all students who qualify through audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 310 KEYBOARD ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 311 GUITAR ENSEMBLE1 Credit**

Guitar Ensemble offers practical experience in the study and performance of standard and avant-garde repertoire for the modern electric guitar.

**Essential Studies:** SLO #5

**Notes:** This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.

**MUS 312 CHORAL HISTORY AND LITERATURE2 Credits**

The course examines the history of choral music, from Gregorian chant through the 20th century, highlighting the significant changes in the ensemble.

**Prerequisites:** Sophomore or above status

**MUS 315 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315A PRIVATE MUSIC INSTRUCTION/EUPHONIUM1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315B PRIVATE MUSIC INSTRUCTION/BASS1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315C PRIVATE MUSIC INSTRUCTION/BASSOON1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315E PRIVATE MUSIC INSTRUCTION/CLARINET1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315F PRIVATE MUSIC INSTRUCTION/FLUTE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315G PRIVATE MUSIC INSTRUCTION/FRENCH HORN1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315H PRIVATE MUSIC INSTRUCTION/OBOE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315J PRIVATE MUSIC INSTRUCTION/PERCUSSION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315K PRIVATE MUSIC INSTRUCTION/PIANO1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315L PRIVATE MUSIC INSTRUCTION/SAXOPHONE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315M PRIVATE MUSIC INSTRUCTION/TROMBONE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315N PRIVATE MUSIC INSTRUCTION/TRUMPET1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315O PRIVATE COMPOSITION AND ANALYSIS1-2 Credits**

Individual instruction in composition and/or analysis. Students will set semester goals in conjunction with the instructor.

**Prerequisites:** MUS 132 and Sophomore or above status

**Notes:** The course is repeatable since goals will change each semester.

**MUS 315P PRIVATE MUSIC INSTRUCTION/TUBA1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315R SURVEY OF INSTRUMENT REPAIR TECHNIQUES1-2 Credits**

This laboratory course is designed to introduce students to repair techniques for the most common wind band instruments. Students will learn about the mechanical properties, the assessment of playing condition, and basic techniques for repairing instruments.

**Prerequisites:** Sophomore or above status

**MUS 315S PRIVATE MUSIC INSTRUCTION/VOICE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315U PRIVATE MUSIC INSTRUCTION/GUITAR1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315V PRIVATE RECORDING TECHNIQUES1-2 Credits**

An introduction to recording techniques using computer-based digital recording with standard software. This course will prepare students to produce demo records and include training in studio setup, signal flow, microphone placement, editing, plug-ins and mixing.

**Prerequisites:** Music major and Sophomore or above status

**Notes:** Open to all music majors or by permission of the instructor.

**MUS 315X PRIVATE JAZZ IMPROVISATION1-2 Credits**

Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315Z PRIVATE MUSIC INSTRUCTION/SONGWRITING1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 321 CHORAL CONDUCTING2 Credits**

Study of conducting techniques and choral literature.

**Prerequisites:** MUS 240 and Sophomore or above status

**Co-requisites:** MUS 220 and MUS 251, MUS 252, MUS 351, or MUS 352

**MUS 322 INSTRUMENTAL CONDUCTING2 Credits**

Techniques of conducting instrumental organizations and the study of instrumental literature.

**Prerequisites:** MUS 240 and Sophomore or above status

**Co-requisites:** MUS 220 and MUS 251, MUS 252, MUS 351, or MUS 352

**MUS 324 WOMEN'S VOCAL ENSEMBLE1 Credit**

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.

**Prerequisites:** Sophomore or above status

**MUS 325 MEN'S VOCAL ENSEMBLE1 Credit**

Open to all men by audition. This ensemble performs regular concerts covering a variety of styles and genres. Members must also enroll in Concert Choir.

**Prerequisites:** Sophomore or above status

**MUS 326 EAGLE BAND1 Credit**

Open to all students who qualify by audition. The Eagle Band serves the college and community through performance at parades, football games, and basketball games.

**Prerequisites:** Sophomore or above status

**MUS 330 AMERICAN POPULAR MUSIC3 Credits**

A perspective of the history of American popular music that combines the study of cultural and social history with an analytical study of music styles. This course identifies three streams (African, European, and Latin American) of musical characteristics found in American popular music and traces the evolution of these characteristics from their origins beginning in the mid-18th century into the 21st century. Critical listening skills are learned through the practice of listening and sharing what is heard through discussions using a common music vocabulary.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**MUS 335 RECORDING TECHNIQUES I2 Credits**

An introduction to recording techniques using computer-based digital recording with other software. This course will prepare students to operate Pro Tools recording software and will include training in editing, MIDI, using plug-ins and mixing.

**Notes:** Open to all music majors and non-majors.

**MUS 340 BUSINESS OF PRIVATE TEACHING3 Credits**

Practical issues of operating an independent music teaching studio. Issues such as recruitment, retention, contracts, studio policies, income tax and maintaining consistent monthly income will be discussed in depth.

**Prerequisites:** Sophomore or above status

**MUS 341 MUSIC INDUSTRY I3 Credits**

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 342 MUSIC INDUSTRY II3 Credits**

A study of the music industry including career options, music products, booking and promoting concerts, independent artist strategies, and developing a music business plan.

**Prerequisites:** MUS 341

**MUS 345 RECORDING TECHNIQUES II2 Credits**

This course will teach students to produce their own recordings and include training in studio setup, signal flow, microphone placement and other studio audio recording techniques.

**Prerequisites:** MUS 335 and sophomore or above status

**MUS 349 EAGLE DRUM LINE1 Credit**

The CSC Eagle Drum Line performs at events sponsored by various organizations on the CSC campus and also at events sponsored by groups and institutions off-campus. Events may include but are not limited to CSC sporting events, parades, pep rallies, grand openings, conferences, faculty meetings, and other events by request.

**Prerequisites:** Sophomore or above status

**Requirements:** Open to students who qualify by audition. Previous experience in music is required.

**MUS 351 MUSIC EDUCATION PRACTICUM FIELD1 Credit**

Continuation of MUS 251. Students will gain more practical performing experience, but will also begin peer teaching in these areas.

**Prerequisites:** Sophomore or above status

**Notes:** May be taken for repeated credit.

**MUS 352 MUSIC EDUCATION PRACTICUM, FIELD1 Credit**

Culmination of the MUS 251 and 351 courses. Students will complete the remaining student learning outcomes introduced in MUS 251 and 351.

**Prerequisites:** MUS 351 and Sophomore or above status

**MUS 355 HISTORY OF JAZZ3 Credits**

A historically organized introduction to jazz styles, focusing on the develop of the music through culture. Designed to explore the cultural and aesthetic achievements in jazz history.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**MUS 357 INSTRUMENTATION & ARRANGING2 Credits**

This course provides an overview of the characteristics for instruments of the wind band and orchestra, and introduces the student to techniques of scoring for a variety of instrumental combinations. Students will also explore challenges typically encountered in elementary and secondary instrumental ensembles.

**Prerequisites:** MUS 131 and Sophomore or above status

**MUS 362 KEYBOARD SKILLS FOR THE CLASSROOM TEACHER2 Credits**

Refinement of keyboard skills with direct application to the music education environment, with emphasis in harmonization, score reading and accompanying.

**Prerequisites:** MUS 220 and sophomore or above status

**MUS 363 ACCOMPANYING TECHNIQUES2 Credits**

This course covers the basic elements of accompanying instrumentalists and vocalists at the piano. Students will be assigned collaborative repertoire appropriate to their skill level.

**Prerequisites:** MUS 220 or permission of the instructor and Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 364 PIANO PEDAGOGY2 Credits**

Various practical and pedagogical aspects of teaching piano. The course will include a survey of piano teaching materials, particularly the methods, and specifics related to teaching and learning styles.

**Prerequisites:** At least one semester of MUS 215K or permission and sophomore or above status

**MUS 369 MUSIC AND CIVIC ENGAGEMENT3 Credits**

The course provides an overview of the field of music therapy and musical involvement within the community. Students will examine ethical concerns for musicians serving a community. A key component of the course will be group projects, focused on event planning in Chadron or the region.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**MUS 390 INTERNSHIP IN MUSIC1-12 Credits**

Provides practical experience in the music products industry or the entertainment industry.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 397 SOLO JUNIOR HALF RECITAL, APPLIED0 Credits**

A 25 to 30-minute solo performance of literature from the 300-level list for the applied area. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date.

**Prerequisites:** Two (2) hours of MUS 315

**Co-requisites:** Two (2) hours of MUS 315

**MUS 399 SOLO HALF-RECITAL0 Credits**

A 25 to 30 minute solo performance. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective music faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date.

**Prerequisites:** MUS 298, at least one prior semester of MUS 315 and Sophomore or above status

**Co-requisites:** MUS 315

**MUS 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of Instructor, Dean and Academic Vice President is required.

**MUS 402 WIND SYMPHONY0 Credits**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** MUS 299

**Add Consent:** Instructor Consent

**Notes:** This 400-level course is a 0 credit option available only to music education majors who have successfully completed MUS 299-Sophomore Qualifying Exam.

**Requirements:** Music education major

**MUS 403 CONCERT CHOIR0 Credits**

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.

**Prerequisites:** MUS 299

**Add Consent:** Instructor Consent

**Notes:** This 400-level course is a 0 credit option available only to music education majors who have successfully completed MUS 299-Sophomore Qualifying Exam.

**Requirements:** Music education major

**MUS 413 JAZZ AND POP ARRANGING2 Credits**

The course covers harmonies with upper extensions, rhythm section writing, and instrument ranges for all sections of the jazz big band. Additionally, students will study approaches to harmonization and arranging in jazz, culminating in a big band arrangement.

**Prerequisites:** MUS 131 and Junior or above status

**MUS 415 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415A PRIVATE MUSIC INSTRUCTION/BARITONE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415B PRIVATE MUSIC INSTRUCTION/GUITAR2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415C PRIVATE MUSIC INSTRUCTION/BASSOON2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415E PRIVATE MUSIC INSTRUCTION/CLARINET2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415F PRIVATE MUSIC INSTRUCTION/FLUTE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415G PRIVATE MUSIC INSTRUCTION/FRENCH HORN2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415H PRIVATE MUSIC INSTRUCTION/OBOE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415J PRIVATE MUSIC INSTRUCTION/PERCUSSION2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415K PRIVATE MUSIC INSTRUCTION/PIANO2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415L PRIVATE MUSIC INSTRUCTION/SAXOPHONE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415M PRIVATE MUSIC INSTRUCTION/TROMBONE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415N PRIVATE MUSIC INSTRUCTION/TRUMPET2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415P PRIVATE MUSIC INSTRUCTION/TUBA2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415S PRIVATE MUSIC INSTRUCTION/VOICE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415U PRIVATE MUSIC INSTRUCTION/GUITAR2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 423 KEYBOARD HISTORY AND LITERATURE2 Credits**

The course studies the invention of the piano and its impact on Western musical culture from the 18th to 20th centuries. The course will focus on piano literature from major figures in the Classical and Romantic eras.

**Prerequisites:** Junior or above status

**MUS 430 TOPICS IN MUSIC0-3 Credits**

Examines a special topic in music. Topics vary from semester to semester. May be repeated.

**Prerequisites:** Junior or above status

**MUS 431A ELEMENTARY MUSIC METHODS2 Credits**

An instructional methods course in the major field of content specialization required of music education majors pursuing content area endorsement in PK-12 Vocal Music and a field endorsement in PK-12 Music.

**Prerequisites:** Junior or above status

**MUS 431C SECONDARY CHORALE METHODS2 Credits**

An instructional methods course in vocal music required of music education majors pursuing a vocal music endorsement for PK-12 or a music field endorsement for PK-12.

**Prerequisites:** Junior or above status

**MUS 431D SECONDARY INSTRUMENTAL METHODS2 Credits**

An instructional methods course in instrumental music required of music education majors pursuing music field endorsement for PK-12.

**Prerequisites:** Junior or above status

**MUS 432 TOPICS IN MUSIC HISTORY AND LITERATURE2 Credits**

The course focuses on various topics through the lens of music history. Topics will consider the social, cultural, economic, and political factors of the course's focus.

**Prerequisites:** MUS 131 and Junior or above status

**Notes:** Since the topics rotate and will not duplicate more than once every four semesters, this course may be taken for repeated credit.

**MUS 439 SEMINAR IN MUSIC1-3 Credits**

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.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**MUS 499 SOLO FULL RECITAL0 Credits**

A 45 to 55 minute solo performance. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315/415) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective music faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date.

**Prerequisites:** At least one prior semester of MUS 415

**Co-requisites:** MUS 415

## Bachelor of Arts – Comprehensive Major in Music

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

| Code                         | Title                          | Credits |
|------------------------------|--------------------------------|---------|
| Essential Studies (p. 14)    |                                |         |
| Core Requirements            |                                |         |
| MUS 101                      | STUDENT RECITAL                | 0       |
| Select one of the following: |                                |         |
| 5                            |                                |         |
| MUS 102/302                  | WIND SYMPHONY <sup>1</sup>     |         |
| MUS 103/303                  | CONCERT CHOIR <sup>1</sup>     |         |
| MUS 110/310                  | KEYBOARD ENSEMBLE <sup>1</sup> |         |
| MUS 111/311                  | GUITAR ENSEMBLE <sup>1</sup>   |         |
| MUS 115                      | PRIVATE MUSIC INSTRUCTION      | 2       |

|                                      |  |           |
|--------------------------------------|--|-----------|
| MUS 131 & 131L                       | THEORY I and THEORY I LABORATORY         | 4         |
| MUS 132 & 132L                       | THEORY II and THEORY II LABORATORY       | 4         |
| MUS 141                              | MUSIC PATHWAYS: CREATING YOUR CAREER     | 2         |
| MUS 199                              | ADMISSION TO CANDIDACY                   | 0         |
| MUS 215                              | PRIVATE MUSIC INSTRUCTION                | 2         |
| MUS 220 or MUS 363                   | FUNCTIONAL PIANO ACCOMPANYING TECHNIQUES | 2         |
| MUS 227                              | SURVEY OF MUSIC HISTORY                  | 3         |
| MUS 231 & 231L                       | THEORY III and THEORY III LABORATORY     | 4         |
| MUS 240                              | PRINCIPLES OF CONDUCTING                 | 2         |
| MUS 298                              | PIANO PROFICIENCY EXAM                   | 0         |
| MUS 299                              | SOPHOMORE QUALIFYING EXAM                | 0         |
| Electives in Music History (p. 134)  |  | 2         |
| Select one of the following options: |  | 25        |
| Applied Music (p. 134)               |  |           |
| Music Industry (p. 135)              |  |           |
| <b>Total Credits</b>                 |  | <b>57</b> |

<sup>1</sup> Students will enroll in the ensemble that corresponds with their major performing instrument (e.g., voice, guitar, saxophone, etc.).

### Electives in Music History

| Code    | Title                                  | Credits |
|---------|--|---------|
| MUS 312 | CHORAL HISTORY AND LITERATURE          | 2       |
| MUS 355 | HISTORY OF JAZZ                        | 3       |
| MUS 423 | KEYBOARD HISTORY AND LITERATURE        | 2       |
| MUS 432 | TOPICS IN MUSIC HISTORY AND LITERATURE | 2       |

### Applied Music Option

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

| Code                        | Title                             | Credits   |
|-----------------------------|-----------------------------------|-----------|
| Core Requirements           |                                   | 32        |
| MUS 155                     | MUSIC TECHNOLOGY                  | 2         |
| MUS 232                     | THEORY IV                         | 2         |
| MUS 315                     | PRIVATE MUSIC INSTRUCTION         | 4         |
| MUS 340                     | BUSINESS OF PRIVATE TEACHING      | 3         |
| MUS 397                     | SOLO JUNIOR HALF RECITAL, APPLIED | 0         |
| MUS 415                     | PRIVATE MUSIC INSTRUCTION         | 4         |
| MUS 499                     | SOLO FULL RECITAL                 | 0         |
| Elective Ensembles (p. 135) |                                   | 4         |
| Electives <sup>1</sup>      |                                   | 6         |
| <b>Total Credits</b>        |                                   | <b>57</b> |

<sup>1</sup> Voice majors are required to include MUS 250 MUSIC EDUCATION PRACTICUM, VOCAL, MUS 252 MUSIC EDUCATION PRACTICUM, VOCAL, MUS 238 DICTION I, and MUS 239 DICTION II. Piano majors

are required to include MUS 364 PIANO PEDAGOGY. Students for other major instruments may select any 300-400 level MUS course.

## Elective Ensembles

(Courses may be taken for repeated credit)

| Code        | Title                  | Credits |
|-------------|------------------------|---------|
| MUS 102/302 | WIND SYMPHONY          | 1       |
| MUS 103/303 | CONCERT CHOIR          | 1       |
| MUS 104/304 | VOCAL JAZZ ENSEMBLE    | 1       |
| MUS 105/305 | JAZZ BAND              | 1       |
| MUS 106/306 | JAZZ AND POP COMBO     | 1       |
| MUS 107/307 | WOODWIND ENSEMBLE      | 1       |
| MUS 108/308 | BRASS ENSEMBLE         | 1       |
| MUS 109/309 | PERCUSSION ENSEMBLE    | 1       |
| MUS 110/310 | KEYBOARD ENSEMBLE      | 1       |
| MUS 111/311 | GUITAR ENSEMBLE        | 1       |
| MUS 124/324 | WOMEN'S VOCAL ENSEMBLE | 1       |
| MUS 125/325 | MEN'S VOCAL ENSEMBLE   | 1       |
| MUS 126/326 | EAGLE BAND             | 1       |

## Music Industry Option

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

| Code                         | Title                                  | Credits   |
|------------------------------|--|-----------|
| Core Requirements            |  | 32        |
| MKTG 231                     | PRINCIPLES OF MARKETING                | 3         |
| Select one of the following: |  | 3         |
| BIS 231                      | PRINCIPLES OF INFORMATION SYSTEMS      |           |
| MKTG 331                     | SALES TECHNIQUES                       |           |
| MKTG 338                     | CONSUMER BEHAVIOR                      |           |
| MUS 340                      | BUSINESS OF PRIVATE TEACHING           |           |
| MUS 155                      | MUSIC TECHNOLOGY                       | 2         |
| MUS 237                      | JAZZ IMPROVISATION I                   | 2         |
| MUS 315                      | PRIVATE MUSIC INSTRUCTION <sup>1</sup> | 2         |
| MUS 335                      | RECORDING TECHNIQUES I                 | 2         |
| MUS 341                      | MUSIC INDUSTRY I                       | 3         |
| MUS 342                      | MUSIC INDUSTRY II                      | 3         |
| MUS 345                      | RECORDING TECHNIQUES II                | 2         |
| MUS 390                      | INTERNSHIP IN MUSIC                    | 1         |
| MUS 399                      | SOLO HALF-RECITAL                      | 0         |
| MUS 413                      | JAZZ AND POP ARRANGING                 | 2         |
| <b>Total Credits</b>         |  | <b>57</b> |

<sup>1</sup> Two semesters of study at 1 credit hour each are required.

The following courses are strongly recommended as supportive electives for the Music Industry Option:

| Code    | Title                   | Credits |
|---------|-------------------------|---------|
| ART 229 | INTRO TO GRAPHIC DESIGN | 3       |
| BIS 230 | WEB PAGE DEVELOPMENT    | 3       |

|         |                               |   |
|---------|-------------------------------|---|
| BIS 332 | DECISION SUPPORT FOR MANAGERS | 3 |
| BIS 337 | E-COMMERCE                    | 3 |
| MUS 330 | AMERICAN POPULAR MUSIC        | 3 |

## Bachelor of Arts – Subject Major in Music Studies

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

| Code                                  | Title                                | Credits   |
|---------------------------------------|--------------------------------------|-----------|
| Essential Studies (p. 14)             |                                      |           |
| Core Requirements                     |                                      |           |
| MUS 101                               | STUDENT RECITAL                      | 0         |
| Select from the following:            |                                      | 5         |
| MUS 102/302                           | WIND SYMPHONY <sup>1</sup>           |           |
| MUS 103/303                           | CONCERT CHOIR <sup>1</sup>           |           |
| MUS 110/310                           | KEYBOARD ENSEMBLE <sup>1</sup>       |           |
| MUS 111/311                           | GUITAR ENSEMBLE <sup>1</sup>         |           |
| MUS 115                               | PRIVATE MUSIC INSTRUCTION            | 2         |
| MUS 131 & 131L                        | THEORY I and THEORY I LABORATORY     | 4         |
| MUS 132 & 132L                        | THEORY II and THEORY II LABORATORY   | 4         |
| MUS 141                               | MUSIC PATHWAYS: CREATING YOUR CAREER | 2         |
| MUS 155                               | MUSIC TECHNOLOGY                     | 2         |
| MUS 199                               | ADMISSION TO CANDIDACY               | 0         |
| MUS 215                               | PRIVATE MUSIC INSTRUCTION            | 2         |
| MUS 220                               | FUNCTIONAL PIANO                     | 2         |
|                                       | or MUS 363 ACCOMPANYING TECHNIQUES   |           |
| MUS 227                               | SURVEY OF MUSIC HISTORY              | 3         |
| MUS 231 & 231L                        | THEORY III and THEORY III LABORATORY | 4         |
| MUS 240                               | PRINCIPLES OF CONDUCTING             | 2         |
| MUS 298                               | PIANO PROFICIENCY EXAM               | 0         |
| MUS 299                               | SOPHOMORE QUALIFYING EXAM            | 0         |
| Electives in Music History (p. 135)   |                                      | 2         |
| Upper Division Electives <sup>2</sup> |                                      | 2         |
| <b>Total Credits</b>                  |                                      | <b>36</b> |

<sup>1</sup> Students will enroll in the ensemble that corresponds with their major performing instrument (e.g., voice, guitar, saxophone, etc.).

<sup>2</sup> Any 300-400 level MUS course.

## Electives in Music History

| Code    | Title                         | Credits |
|---------|-------------------------------|---------|
| MUS 312 | CHORAL HISTORY AND LITERATURE | 2       |
| MUS 355 | HISTORY OF JAZZ               | 3       |

|         |  |   |
|---------|--|---|
| MUS 423 | KEYBOARD HISTORY AND LITERATURE        | 2 |
| MUS 432 | TOPICS IN MUSIC HISTORY AND LITERATURE | 2 |

## Bachelor of Science - Education - Field Endorsement in Music (Grades PK-12)

This endorsement qualifies a person to teach instrumental and vocal music in grades PK-12. A student must complete the following program in addition to the Essential Studies and Professional Education requirements, including successful completion of MUS 431A ELEMENTARY MUSIC METHODS, MUS 431C SECONDARY CHORALE METHODS, and MUS 431D SECONDARY INSTRUMENTAL METHODS. Incoming students should plan to take the theory and piano placement exams during the first week of classes.

| Code  | Title   | Credits |
|---|---|---------|
| Essential Studies (p. 14)   |   |         |
| Professional Education ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) <sup>1</sup> |   |         |
| Core Requirements   |   |         |
| MUS 100U/300U   | ELECTIVE PRIVATE MUSIC INSTRUCTION/GUITAR               | 1       |
| MUS 101   | STUDENT RECITAL   | 0       |
| Complete four semesters from the following:   |   |         |
| MUS 102/302   | WIND SYMPHONY   | 4       |
| MUS 103/303   | CONCERT CHOIR   | 4       |
| MUS 115   | PRIVATE MUSIC INSTRUCTION (two semesters)               | 2       |
| MUS 126   | EAGLE BAND (repeatable) <sup>2</sup>                    | 0       |
| MUS 131 & 131L  | THEORY I and THEORY I LABORATORY                        | 4       |
| MUS 132 & 132L  | THEORY II and THEORY II LABORATORY                      | 4       |
| MUS 199   | ADMISSION TO CANDIDACY                                  | 0       |
| MUS 215   | PRIVATE MUSIC INSTRUCTION (two semesters)               | 2       |
| MUS 220   | FUNCTIONAL PIANO  | 2       |
| or MUS 363  | ACCOMPANYING TECHNIQUES                                 | 2       |
| MUS 227   | SURVEY OF MUSIC HISTORY                                 | 3       |
| MUS 231 & 231L  | THEORY III and THEORY III LABORATORY                    | 4       |
| MUS 232   | THEORY IV   | 2       |
| MUS 238   | DICTION I   | 2       |
| MUS 239   | DICTION II  | 2       |
| MUS 240   | PRINCIPLES OF CONDUCTING                                | 2       |
| MUS 251/351   | MUSIC EDUCATION PRACTICUM, FIELD <sup>3</sup>           | 4       |
| MUS 298   | PIANO PROFICIENCY EXAM                                  | 0       |
| MUS 299   | SOPHOMORE QUALIFYING EXAM                               | 0       |
| MUS 315   | PRIVATE MUSIC INSTRUCTION (two semesters)               | 2       |
| MUS 321   | CHORAL CONDUCTING                                       | 2       |
| MUS 322   | INSTRUMENTAL CONDUCTING                                 | 2       |
| MUS 352   | MUSIC EDUCATION PRACTICUM, FIELD (culminating semester) | 1       |
| MUS 357   | INSTRUMENTATION & ARRANGING                             | 2       |
| MUS 362   | KEYBOARD SKILLS FOR THE CLASSROOM TEACHER               | 2       |

|                                     |                            |           |
|-------------------------------------|----------------------------|-----------|
| MUS 399                             | SOLO HALF-RECITAL          | 0         |
| MUS 402                             | WIND SYMPHONY <sup>4</sup> | 0         |
| MUS 403                             | CONCERT CHOIR <sup>4</sup> | 0         |
| Electives in Music History (p. 136) |                            | 2         |
| Elective Chamber Ensemble (p. 136)  |                            | 1         |
| <b>Total Credits</b>                |                            | <b>52</b> |

<sup>1</sup> Music education majors complete MUS 156 MUSIC TECHNOLOGY IN EDUCATION in place of EDUC 224 TECHNOLOGY RESOURCES FOR LEARNING within the Professional Education requirements.

<sup>2</sup> One semester of participation in the fall is required.

<sup>3</sup> This is a one-credit repeatable course. Transfer students may be asked to complete a performance assessment in order to substitute coursework from other institutions for MUS 251 MUSIC EDUCATION PRACTICUM, FIELD. The Music Education Practicum curriculum includes units in jazz education.

<sup>4</sup> Both MUS 402 and 403 are required. The ensemble for the primary performing area should be taken every semester as a junior or senior, except during Student Teaching.

## Elective Chamber Ensembles

(Courses may be taken for repeated credit)

| Code        | Title                  | Credits |
|-------------|------------------------|---------|
| MUS 104/304 | VOCAL JAZZ ENSEMBLE    | 1       |
| MUS 105/305 | JAZZ BAND              | 1       |
| MUS 106/306 | JAZZ AND POP COMBO     | 1       |
| MUS 107/307 | WOODWIND ENSEMBLE      | 1       |
| MUS 108/308 | BRASS ENSEMBLE         | 1       |
| MUS 109/309 | PERCUSSION ENSEMBLE    | 1       |
| MUS 110/310 | KEYBOARD ENSEMBLE      | 1       |
| MUS 111/311 | GUITAR ENSEMBLE        | 1       |
| MUS 124/324 | WOMEN'S VOCAL ENSEMBLE | 1       |
| MUS 125/325 | MEN'S VOCAL ENSEMBLE   | 1       |

## Electives in Music History

| Code    | Title                                  | Credits |
|---------|--|---------|
| MUS 312 | CHORAL HISTORY AND LITERATURE          | 2       |
| MUS 355 | HISTORY OF JAZZ                        | 3       |
| MUS 423 | KEYBOARD HISTORY AND LITERATURE        | 2       |
| MUS 432 | TOPICS IN MUSIC HISTORY AND LITERATURE | 2       |

The following classes are recommended as supportive classes:

| Code     | Title                                  | Credits |
|----------|--|---------|
| MUS 315R | SURVEY OF INSTRUMENT REPAIR TECHNIQUES | 1       |
| MUS 413  | JAZZ AND POP ARRANGING                 | 2       |

## Bachelor of Science - Education - Subject Endorsement in Vocal Music (Grades PK-12)

This endorsement qualifies a person to teach vocal music in grades PK-12. A student must complete the following program in addition to the Essential Studies and Professional Education requirements, including



successful completion of MUS 431A ELEMENTARY MUSIC METHODS, and MUS 431C SECONDARY CHORALE METHODS. Incoming students should plan to take the theory and piano placement exams and complete a voice assessment with a member of the voice faculty during the first week of classes.

| Code  | Title  | Credits   |
|---|--|-----------|
| Essential Studies (p. 14)   |  |           |
| Professional Education ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) <sup>1</sup> |  |           |
| Core Requirements   |  |           |
| MUS 100U/300U   | ELECTIVE PRIVATE MUSIC INSTRUCTION/GUITAR                                    | 1         |
| MUS 101   | STUDENT RECITAL  | 0         |
| MUS 103/303   | CONCERT CHOIR  | 4         |
| MUS 115K  | PRIVATE MUSIC INSTRUCTION/PIANO <sup>2</sup>                                 | 2         |
| MUS 115S  | PRIVATE MUSIC INSTRUCTION/VOICE <sup>2</sup>                                 | 2         |
| MUS 131 & 131L  | THEORY I and THEORY I LABORATORY   | 4         |
| MUS 132 & 132L  | THEORY II and THEORY II LABORATORY   | 4         |
| MUS 199   | ADMISSION TO CANDIDACY   | 0         |
| MUS 215K or MUS 215S  | PRIVATE MUSIC INSTRUCTION/PIANO <sup>2</sup> PRIVATE MUSIC INSTRUCTION/VOICE | 2         |
| MUS 220 or MUS 363  | FUNCTIONAL PIANO <sup>3</sup> ACCOMPANYING TECHNIQUES                        | 2         |
| MUS 227   | SURVEY OF MUSIC HISTORY  | 3         |
| MUS 231 & 231L  | THEORY III and THEORY III LABORATORY   | 4         |
| MUS 232   | THEORY IV  | 2         |
| MUS 238   | DICTION I  | 2         |
| MUS 239   | DICTION II   | 2         |
| MUS 240   | PRINCIPLES OF CONDUCTING   | 2         |
| MUS 250   | MUSIC EDUCATION PRACTICUM, VOCAL   | 1         |
| MUS 252   | MUSIC EDUCATION PRACTICUM, VOCAL   | 1         |
| MUS 298   | PIANO PROFICIENCY EXAM   | 0         |
| MUS 299   | SOPHOMORE QUALIFYING EXAM  | 0         |
| MUS 315K or MUS 315S  | PRIVATE MUSIC INSTRUCTION/PIANO <sup>2</sup> PRIVATE MUSIC INSTRUCTION/VOICE | 2         |
| MUS 321   | CHORAL CONDUCTING  | 2         |
| MUS 362   | KEYBOARD SKILLS FOR THE CLASSROOM TEACHER                                    | 2         |
| MUS 399   | SOLO HALF-RECITAL  | 0         |
| MUS 403   | CONCERT CHOIR <sup>4</sup>   | 0         |
| Elective Chamber Ensembles (p. 137)   |  |           |
| Electives in Music History (p. 137)   |  |           |
| Upper Division Electives <sup>5</sup>   |  |           |
| <b>Total Credits</b>  |  | <b>49</b> |

<sup>1</sup> Music education majors complete MUS 156 MUSIC TECHNOLOGY IN EDUCATION in place of EDUC 224 TECHNOLOGY RESOURCES FOR LEARNING within the Professional Education requirements.

<sup>2</sup> The major instrument for students completing this endorsement must be either voice or piano, and a minimum of two semesters of study in each area is required. Vocal majors will typically complete MUS 115K PRIVATE MUSIC INSTRUCTION/PIANO after completing MUS 220

FUNCTIONAL PIANO. Piano majors should consult the voice faculty regarding the completion of MUS 115S PRIVATE MUSIC INSTRUCTION/VOICE.

<sup>3</sup> Piano majors may substitute two credits of MUS 315K PRIVATE MUSIC INSTRUCTION/PIANO for MUS 220 FUNCTIONAL PIANO with permission from the instructor.

<sup>4</sup> Complete 3 semesters of participation.

<sup>5</sup> Any 300-400 level music course.

## Elective Chamber Ensembles

(Courses may be taken for repeated credit)

| Code        | Title                  | Credits |
|-------------|------------------------|---------|
| MUS 104/304 | VOCAL JAZZ ENSEMBLE    | 1       |
| MUS 110/310 | KEYBOARD ENSEMBLE      | 1       |
| MUS 124/324 | WOMEN'S VOCAL ENSEMBLE | 1       |
| MUS 125/325 | MEN'S VOCAL ENSEMBLE   | 1       |

## Electives in Music History

| Code    | Title                                  | Credits |
|---------|--|---------|
| MUS 312 | CHORAL HISTORY AND LITERATURE          | 2       |
| MUS 355 | HISTORY OF JAZZ                        | 3       |
| MUS 423 | KEYBOARD HISTORY AND LITERATURE        | 2       |
| MUS 432 | TOPICS IN MUSIC HISTORY AND LITERATURE | 2       |

## Music Minor

A student must complete the following program in addition to the Essential Studies requirements and a major in another discipline. Incoming students should plan to take the theory and piano placement exams during the first week of classes.

| Code                   | Title                                   | Credits   |
|------------------------|---|-----------|
| MUS 101                | STUDENT RECITAL                         | 0         |
| MUS 112                | MUSIC THEORY FOUNDATIONS                | 3         |
| MUS 115                | PRIVATE MUSIC INSTRUCTION               | 2         |
| MUS 116                | PIANO CLASS FOUNDATIONS I <sup>1</sup>  | 1         |
| MUS 117                | PIANO CLASS FOUNDATIONS II <sup>1</sup> | 1         |
| MUS 131 & 131L         | THEORY I and THEORY I LABORATORY        | 4         |
| MUS 199                | ADMISSION TO CANDIDACY                  | 0         |
| MUS 215                | PRIVATE MUSIC INSTRUCTION               | 1         |
| MUS 227                | SURVEY OF MUSIC HISTORY                 | 3         |
| Elective Ensembles     |   | 2         |
| Electives <sup>2</sup> |   | 4         |
| <b>Total Credits</b>   |   | <b>21</b> |

<sup>1</sup> Students who test out of MUS 116 PIANO CLASS FOUNDATIONS I or MUS 117 PIANO CLASS FOUNDATIONS II may substitute MUS 118 PIANO CLASS FOUNDATIONS III, MUS 220 FUNCTIONAL PIANO, MUS 362 KEYBOARD SKILLS FOR THE CLASSROOM TEACHER, and/or MUS 363 ACCOMPANYING TECHNIQUES.

<sup>2</sup> Choose from MUS 141 MUSIC PATHWAYS: CREATING YOUR CAREER, MUS 155 MUSIC TECHNOLOGY, MUS 156 MUSIC TECHNOLOGY IN EDUCATION, or any 300-400 level MUS course.

## Elective Ensembles

(Courses may be taken for repeated credit)

| Code        | Title                  | Credits |
|-------------|------------------------|---------|
| MUS 102/302 | WIND SYMPHONY          | 1       |
| MUS 103/303 | CONCERT CHOIR          | 1       |
| MUS 104/304 | VOCAL JAZZ ENSEMBLE    | 1       |
| MUS 105/305 | JAZZ BAND              | 1       |
| MUS 106/306 | JAZZ AND POP COMBO     | 1       |
| MUS 107/307 | WOODWIND ENSEMBLE      | 1       |
| MUS 108/308 | BRASS ENSEMBLE         | 1       |
| MUS 109/309 | PERCUSSION ENSEMBLE    | 1       |
| MUS 110/310 | KEYBOARD ENSEMBLE      | 1       |
| MUS 111/311 | GUITAR ENSEMBLE        | 1       |
| MUS 124/324 | WOMEN'S VOCAL ENSEMBLE | 1       |
| MUS 125/325 | MEN'S VOCAL ENSEMBLE   | 1       |
| MUS 126/326 | EAGLE BAND             | 1       |

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

## Physical Sciences

### Mission

The physical sciences program at Chadron State College prepares students for careers as problem solvers, investigating the physical properties and processes of the natural world. By observing, building hypotheses and communicating results, students are engaged in the methods and culture of science. As part of the global scientific community, they learn firsthand the contributions of science to the values of leadership, lifelong learning, and maintaining a sustainable society.

### Student Learning Outcomes

- Students will have a strong knowledge base and the skills to be lifelong learners. Students will:
    - Have a strong foundational knowledge to be able to critically evaluate information.
    - Be able to recognize the limits of their knowledge and have the skills to seek and evaluate additional information.
    - Be able to apply logical reasoning and organizational skills to integrate new information into their functional knowledge base.
  - Students will be prepared for their profession in the science discipline. Students will:
    - Understand the interrelatedness of science and society and exhibit the professional skills appropriate for their chosen career path.
    - Be able to communicate scientific knowledge to a diverse audience using appropriate technology and media tools.
- Bachelor of Science - Comprehensive Major in Physical Sciences (p. 144)
  - Bachelor of Science - Education - Subject Endorsement in Chemistry (Grades 7-12) (p. 143)
  - Bachelor of Science - Education - Subject Endorsement in Earth and Space Science (Grades 7-12) (p. 144)
  - Bachelor of Science - Education - Field Endorsement in Science (Grades 7-12) (p. 145)

- Bachelor of Science - Education - Middle Level Education Academic Area in Sciences (Grades 5-9) (p. 146)
- Chemistry (p. 147)
- Environmental Geoscience (p. 147)
- Geoscience (p. 147)
- Physics (p. 147)
- Water Resources Management (p. 147)

## Chemistry

### CHEM 110 CAREERS IN SCIENCE1 Credit

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 INTRODUCTORY CHEMISTRY3 Credits

Fundamental principles of chemistry focusing on the topics of matter and measurement, structure of atoms and use of the periodic table, chemical bonding and molecules, reaction stoichiometry, and energy.

**Requirements:** Required of students who have not taken high school chemistry who plan to enroll in CHEM 131 or CHEM 140.

### CHEM 131 COLLEGE CHEMISTRY I3 Credits

First of a two semester sequence of courses in General Chemistry for science majors. Detailed study of matter and measurement, structure of atoms molecules and ions, stoichiometric relationships, electronic structure of atoms, chemical periodicity, chemical bonding, thermochemistry, and properties of gases, liquids and solids.

**Prerequisites:** High school chemistry or CHEM 121 and high school algebra or MATH 142

**Co-requisites:** CHEM 131L

**Notes:** Enrollment in this course assumes competencies in math and chemistry equivalent to those accrued in high school algebra or MATH 142 and high school chemistry or CHEM 121.

### CHEM 131L COLLEGE CHEMISTRY I LABORATORY1 Credit

Laboratory experience in basic chemical concepts, including concentrations, reaction mechanisms, stoichiometric relationships, molecular structure, properties of gases, liquids, and solids, and spectroscopy.

**Co-requisites:** CHEM 131

### CHEM 132 COLLEGE CHEMISTRY II3 Credits

Second of a two semester sequence of courses in General Chemistry for science majors, with a focus on the topics of solution chemistry, chemical kinetics, principles and applications of equilibrium, chemical thermodynamics and electrochemistry.

**Prerequisites:** CHEM 131 and CHEM 131L

**Co-requisites:** CHEM 132L

### CHEM 132L COLLEGE CHEMISTRY II LABORATORY1 Credit

Laboratory experience focusing on studies of principles and applications of chemical kinetics, equilibrium, acid-base chemistry, thermodynamics and electrochemistry.

**Co-requisites:** CHEM 132

**CHEM 140 SURVEY OF CHEMISTRY3 Credits**

Survey of chemistry principles and applications for science majors requiring a one semester freshman chemistry course. Topics covered include: matter and measurement, atoms ions and molecules, periodicity, chemical bonding, reaction stoichiometry, energy, phases of matter, solution chemistry, chemical kinetics, equilibrium, and electrochemistry.

**Prerequisites:** High school chemistry or CHEM 121 and high school algebra or MATH 142

**Co-requisites:** CHEM 140L

**Notes:** Does not duplicate CHEM 131 and is not a prerequisite for CHEM 132.

**CHEM 140L SURVEY OF CHEMISTRY LABORATORY1 Credit**

Laboratory experiences in basic chemical processes and mechanisms. Basic chemistry laboratory operations.

**Co-requisites:** CHEM 140

**CHEM 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**CHEM 231 SURVEY OF ORGANIC CHEMISTRY3 Credits**

Survey of organic chemistry principles and applications for students requiring one semester of Organic Chemistry. The nomenclature, structure, physical and chemical properties and reactions of the principle families of organic compounds are covered. Carbohydrates, lipids, enzymes, amino acids and protein synthesis are also covered at an introductory level.

**Prerequisites:** CHEM 132 and CHEM 132L or CHEM 140 and CHEM 140L

**Co-requisites:** CHEM 231L

**CHEM 231L SURVEY OF ORGANIC CHEMISTRY LABORATORY1 Credit**

Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy.

**Co-requisites:** CHEM 231

**CHEM 270 TOPICS (LD)1-3 Credits**

Special topics in chemistry appropriate for lower division credit.

**Prerequisites:** Instructor consent

**Add Consent:** Instructor Consent

**Notes:** May be repeated with different emphases for up to six hours credit.

**Requirements:** Instructor Consent.

**CHEM 310 CAPSTONE I: RESEARCH SEMINAR1 Credit**

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.

**Essential Studies:** SLO #12

**Prerequisites:** CHEM 132, 132L, and sophomore or above status

**Notes:** Normally taken during the student's Junior year.

**CHEM 313 QUANTITATIVE, ORGANIC, AND BIOLOGICAL CHEMISTRY FOR EDUCATORS3 Credits**

This course will examine basic principles in quantitative, organic, and biochemistry with the aim of learning how to teach these subjects in a high school classroom. Lesson planning, activity development, scientific literacy, critical thinking skills, and active learning will be incorporated in the class.

**Prerequisites:** CHEM 131, 131L and CHEM 132, 132L

**Co-requisites:** CHEM 313L

**CHEM 313L QUANTITATIVE, ORGANIC, AND BIOLOGICAL CHEMISTRY FOR EDUCATORS LABORATORY1 Credit**

The lab will be a mixture of inquiry-based lessons and direct instruction labs. Students will receive hands-on experience that guide them through concepts taught in lecture. Inquire-based learning labs will allow students to develop their own experiments that are safe to teach in a high school classroom.

**Prerequisites:** CHEM 131, 131L and 132, 132L

**Co-requisites:** CHEM 313

**CHEM 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**CHEM 333 ORGANIC CHEMISTRY I3 Credits**

An introduction to the structure, nomenclature, stereochemistry, properties, synthesis, and reactions of aliphatic and aromatic carbon compounds.

**Prerequisites:** CHEM 132, CHEM 132L, and Sophomore or above status

**Co-requisites:** CHEM 333L

**CHEM 333L ORGANIC CHEMISTRY I LABORATORY1 Credit**

Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy.

**Co-requisites:** CHEM 333

**CHEM 334 ORGANIC CHEMISTRY II3 Credits**

A continuation of Organic Chemistry I. Topics will include a systematic study of organic reactions by functional group, reaction mechanisms, and organic synthetic methods.

**Prerequisites:** CHEM 333, 333L and sophomore or above status

**Co-requisites:** CHEM 334L

**CHEM 334L ORGANIC CHEMISTRY II LABORATORY1 Credit**

An introduction to laboratory techniques and procedures of synthetic organic chemistry including analysis of organic compounds by infrared spectroscopy, mass spectrometry, and nuclear magnetic resonance spectroscopy.

**Prerequisites:** CHEM 333, 333L and sophomore or above status

**Co-requisites:** CHEM 334

**CHEM 335 BIOCHEMISTRY I3 Credits**

Introductory course covering the components and reactions of living matter. Topics include structure and function of major macromolecules including carbohydrates, lipids, proteins, and nucleic acids. The basics of enzyme functions and regulation will be studied. A brief introduction to metabolic pathways will be included.

**Prerequisites:** CHEM 231 and CHEM 231L or CHEM 333 and CHEM 333L and Sophomore or above status

**Notes:** Concurrent enrollment in CHEM 335L is recommended.

**CHEM 335L BIOCHEMISTRY LABORATORY1 Credit**

Laboratory experience in purification, quantitation, and characterization of biological molecules.

**Prerequisites:** CHEM 335

**Co-requisites:** CHEM 335 (can be taken as either a pre-requisite or a co-requisite)

**CHEM 336 BIOCHEMISTRY II3 Credits**

Fundamental concepts of the chemistry of proteins, carbohydrates, lipids, and nucleic acids with emphasis on metabolic pathways of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics, reaction pathways, regulatory pathways, and chemical mechanisms.

**Prerequisites:** CHEM 335 and Sophomore or above status

**CHEM 341 QUANTITATIVE ANALYSIS3 Credits**

Detailed study of classical analytical chemistry with topics to include; measurement and uncertainty, statistical analysis of data, basics of chemical equilibrium, activity and systematic treatment of complex equilibrium systems, acid-base equilibrium and buffers, EDTA titrations, gravimetric analysis, combustion analysis, and spectrophotometry.

**Prerequisites:** CHEM 132 and CHEM 132L and Sophomore or above status

**Co-requisites:** CHEM 341L

**CHEM 341L QUANTITATIVE ANALYSIS LABORATORY1 Credit**

Laboratory experience designed to improve laboratory skills in the qualitative analysis of matter using gravimetric and volumetric techniques.

**Prerequisites:** Sophomore or above status

**Co-requisites:** CHEM 341

**CHEM 342 INSTRUMENTAL ANALYSIS3 Credits**

Examination of the function and use of chemical instrumentation to analyze samples with emphasis on the use of spectrophotometers (UV/vis, IR, AA, mass spec), chromatographs (HPLC, GC), electrodes and potentiometry, and electrophoretic systems.

**Prerequisites:** CHEM 132, 132L or consent of instructor

**Co-requisites:** CHEM 342L

**CHEM 342L INSTRUMENTAL ANALYSIS LABORATORY1 Credit**

Laboratory experience involving the set-up and use of quantitative instrumentation in support of the topics covered in the lecture section of the course (spectrophotometry, chromatography, pH and Ion Specific electrodes, and electrophoresis).

**Prerequisites:** Sophomore or above status

**Co-requisites:** CHEM 342

**CHEM 390 INTERNSHIP IN CHEMISTRY1-12 Credits**

Provides practical experience as a chemist in government, business or industry. Open to upper division students majoring in the area of chemistry.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, Dean of Curriculum and Academic Advancement, and Academic Vice President is required.

**CHEM 401 CAPSTONE II: SENIOR RESEARCH1 Credit**

Independent research projects based on the results presented in CHEM 310. Data collection, analysis, and presentation of scientific papers.

**Essential Studies:** SLO #12

**Prerequisites:** CHEM 310 and Junior or above status

**Notes:** May be repeated for a total of up to six hours of credit.

**CHEM 410 CAPSTONE III: SENIOR RESEARCH/THESIS1 Credit**

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.

**Essential Studies:** SLO #12

**Prerequisites:** CHEM 401 and Junior or above status

**CHEM 417 TOPICS IN CHEMISTRY1-3 Credits**

Designed to meet the needs of students in a special area of interest. May be repeated for up to 6 hours.

**Prerequisites:** Instructor consent

**Add Consent:** Instructor Consent

**Requirements:** Instructor consent.

**CHEM 430 INORGANIC CHEMISTRY3 Credits**

Advanced principles of inorganic chemistry. Structure, bonding, properties, and reactions of inorganic compounds with emphasis on the relationships and trends that are embodied in the periodic table of the elements.

**Prerequisites:** CHEM 132, CHEM 132L, and Junior or above status

**CHEM 433 ENVIRONMENTAL CHEMISTRY3 Credits**

Study of the chemical processes that influence the environment, including processes which affect the quality and use of land, water, and atmosphere, as well as influence of anthropogenic effects on them. Focuses on topics of current concern.

**CHEM 433L ENVIRONMENTAL CHEMISTRY LABORATORY1 Credit**

Laboratory experience in environmental chemical analysis of environmental samples.

**CHEM 444 PHYSICAL CHEMISTRY3 Credits**

Fundamental principles of thermodynamics, kinetics, and quantum mechanics as related to chemical concepts.

**Prerequisites:** CHEM 132 and CHEM 132L

**Co-requisites:** CHEM 444L

**CHEM 444L PHYSICAL CHEMISTRY LABORATORY1 Credit**

Laboratory experience in thermodynamics and kinetics.

**Co-requisites:** CHEM 444

**CHEM 464 PHYSICAL CHEMISTRY II3 Credits**

Fundamental principles of kinetics, and quantum mechanics as related to chemical concepts.

**Prerequisites:** CHEM 444 and CHEM 444L

## Geoscience

**GEOS 110 CAREERS IN SCIENCE1 Credit**

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 129 PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHER3 Credits**

A laboratory oriented course intended to strengthen the physical science background of the elementary and middle grades teacher.

**Essential Studies:** SLO #6

**GEOS 130 EARTH SCIENCE3 Credits**

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.

**Essential Studies:** SLO #6

**Notes:** Credit cannot be applied toward an earth science subject endorsement, physical science major, or any geoscience minor.

**GEOS 132 NATURAL HAZARDS AND DISASTERS3 Credits**

The cause and effects of natural disasters can be understood using an Earth system science approach. Science and technology are limited in their ability to predict disasters. Recognizing these limitations, students will explore the roles of individuals in broader societal issues relating to disaster preparedness, damage and cost mitigation as they relate to natural hazards.

**Essential Studies:** SLO #6

**GEOS 135 PHYSICAL SCIENCE3 Credits**

An integrated course in physical sciences including astronomy, earth science, geology, physics and chemistry.

**Essential Studies:** SLO #6

**GEOS 137 ENVIRONMENTAL GEOLOGY3 Credits**

Considers effects of human interaction with the physical environment, both in terms of natural phenomena such as earthquakes and floods, which effect human lives, and resource use, in which humans change their environment. One or more field trips will be required.

**Essential Studies:** SLO #6

**GEOS 138 ASTRONOMY2 Credits**

A descriptive study of the solar system, stars, and galactic systems, including theories of the origin of the universe and the solar system.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 138L

**GEOS 138L ASTRONOMY LABORATORY1 Credit**

Laboratory experience in astronomy. Held in the evening either outdoors or in the planetarium.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 138

**GEOS 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**GEOS 210 PLANETARY GEOLOGY3 Credits**

Planetary Geology consists of three, (one) hour lectures per week. The course provides a process oriented examination of the geological features associated with the planets of the Solar System, their satellites, and the Sun. and an examination of "Earth-like" planets and moons.

**Essential Studies:** SLO #6

**GEOS 231 PHYSICAL GEOLOGY3 Credits**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 231L

**GEOS 231L PHYSICAL GEOLOGY LABORATORY1 Credit**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 231

**GEOS 234 EARTH SYSTEM HISTORY3 Credits**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 234L

**GEOS 234L EARTH SYSTEM HISTORY LABORATORY1 Credit**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 234

**GEOS 246 GEOLOGY FIELD CAMP I3 Credits**

The online part of this course introduces workplace health, safety, environmental impacts and regulations, professionalism and ethics, and quality assurance/quality control in data collection. The field portion will build observation and interpretation skills and introduce technical aspects of field mapping, stratigraphic interpretation and structural analysis. Students will prepare field notes, maps, stratigraphic charts, cross sections, and reports while interacting with geological problems in the Great Plains and Rocky Mountains.

**Prerequisites:** GEOS 231, GEOS 231L, GEOS 234, GEOS 234L

**Notes:** Taught concurrently with GEOS 346.

**Requirements:** Additional course fee required.

**GEOS 270 TOPICS IN GEOSCIENCE1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**GEOS 310 CAPSTONE I: RESEARCH SEMINAR1 Credit**

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.

**Prerequisites:** Sophomore or above status

**Notes:** Normally taken during the student's Junior year.

**GEOS 312 PLANETARY GEOLOGY FOR EDUCATORS3 Credits**

This course will provide an overview of planetary geology, which will include a discussion on the Solar System, our understanding of the physical compositions of other planetary bodies, a look at the Earth and its unique atmosphere, the atmospheres of other planets in our system, and small bodies present in the Solar System. Students will learn about the geological techniques employed to learn about other planets and moons as well as the technology used to investigate space.

**Co-requisites:** GEOS 312L

**GEOS 312L PLANETARY GEOLOGY FOR EDUCATORS LABORATORY1 Credit**

This course will provide an overview of planetary geology, which will include a discussion on the Solar System, our understanding of the physical compositions of other planetary bodies, a look at the Earth and its unique atmosphere, the atmospheres of other planets in our system, and small bodies present in the Solar System. Students will learn about the geological techniques employed to learn about other planets and moons as well as the technology used to investigate space.

**Co-requisites:** GEOS 312

**GEOS 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**GEOS 321 INTRODUCTION TO GPS1 Credit**

Principles and applications of global positioning system. Emphasis is on mapping and other uses applied to geoscience field problems. Field trips may be required.

**Prerequisites:** Sophomore or above status

**GEOS 322 INTRODUCTION TO GIS3 Credits**

Principles and applications of geographic information systems with emphasis on Arcview\* software. Students will address solutions to real-world problems using Geographic Information Systems.

**Prerequisites:** Sophomore or above status

**Notes:** Field trips may be required; recommended prerequisite: GEOS 321. \* Registered Trademark

**GEOS 325 ENERGY AND THE ENVIRONMENT3 Credits**

A deep survey of the science and technology behind fossil fuels, nuclear, and renewable energy sources. Participants will research the origins of energy resources and the technologies that put them to use. The class will develop a code of energy ethics.

**Essential Studies:** SLO #9

**Prerequisites:** Junior status and permission of instructor

**Add Consent:** Instructor Consent

**Notes:** Students will produce a personal project documenting achievement of Essential Studies outcome 9. If that outcome is already satisfied, students may petition to get credit for Essential Studies outcome 6.

**GEOS 334 METEOROLOGY3 Credits**

The physical behavior of the atmosphere including the causes of weather and the elements of forecasting.

**Essential Studies:** SLO #6

**Prerequisites:** Sophomore or above status

**GEOS 337 PALEONTOLOGY3 Credits**

A systematic survey of invertebrate phyla and vertebrate classes most important in the fossil record.

**GEOS 337L PALEONTOLOGY LABORATORY1 Credit**

Examination of fossil invertebrates and vertebrates in laboratory and field.

**Prerequisites:** Sophomore or above status

**Co-requisites:** GEOS 337

**GEOS 338 ROCKS AND MINERALS3 Credits**

Introduction to mineralogy, and optical mineralogy in the context of rocks and interpretation of rock-forming environments. Possibly one or more field trips required.

**Prerequisites:** GEOS 231, GEOS 231L and Sophomore or above status

**GEOS 346 GEOLOGY FIELD CAMP I13 Credits**

The online part of this course teaches mineral and energy exploration, and measuring quantity and quality of resources. The field portion will build observation and interpretation skills and reinforce technical aspects of field mapping, stratigraphic interpretation and structural analysis. Student will prepare field notes, maps, stratigraphic charts, cross sections, and reports while interacting with geological problems in the Great Plains and Rocky Mountains.

**Prerequisites:** GEOS 246

**Notes:** Taught concurrently with GEOS 246.

**Requirements:** Additional course fee required.

**GEOS 390 INTERNSHIP IN GEOSCIENCE1-12 Credits**

Provides practical experience as a geoscientist in government, business, or industry. Open to upper division students majoring in the area of geoscience.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Internship and Career Services Office to secure application materials.

**Requirements:** 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 RESEARCH1-3 Credits**

Study or research in a geoscience area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required. Permission of instructor, School Dean, and Academic Vice President is required.

**GEOS 401 CAPSTONE II: SENIOR RESEARCH1 Credit**

Independent research projects based on the results presented in GEOS 310. Data collection, analysis, and presentation of scientific papers.

**Prerequisites:** GEOS 310 and Junior or above status

**Notes:** Normally taken during the student's Junior or Senior year; may be repeated for a total of up to six hours of credit.

**GEOS 410 CAPSTONE III: SENIOR RESEARCH THESIS1 Credit**

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.

**Prerequisites:** GEOS 401 and Junior or above status

**GEOS 430 SPECIAL TOPICS IN GEOSCIENCE1-3 Credits**

To meet special needs of Geoscience students.

**Notes:** May be repeated with different topics and approval of instructor for a total of six credit hours.

**GEOS 431 HYDROGEOLOGY3 Credits**

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.

**Prerequisites:** Junior or above status

**GEOS 432 STRUCTURAL GEOLOGY3 Credits**

Description and analysis of geologic structures and the regional and global tectonic forces that produce them. Possibly one or more field trips required.

**Prerequisites:** GEOS 231, GEOS 231L, and Junior or above status

**GEOS 434 INTRODUCTION TO OCEANOGRAPHY3 Credits**

An earth-system approach to study of the oceans. Includes discussion of physical and biological phenomena in the oceans; analyzes interactions among the hydrosphere atmosphere and geosphere; and considers humans as stewards of ocean resources. Field trips may be required.

**GEOS 435 FIELD EXPERIENCE IN GEOSCIENCE1-3 Credits**

Typically a one to three week workshop. Field excursions to study major geologic features and provinces in North America or elsewhere.

**Add Consent:** Instructor Consent

**GEOS 436 FIELD EXCAVATION AND PROCEDURES1-3 Credits**

A summer workshop designed to give the student field experience in the development of paleontological sites.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**GEOS 437 WORLD ENVIRONMENTAL ISSUES3 Credits**

Exploration of world environmental problems. Discussion participation setting emphasizes library research, accessing information, critical analysis of media news, and information and global perspective measures. The course culminates in student action plans that may affect environmental change.

**Essential Studies:** SLO #9

**Prerequisites:** Junior or above status

**GEOS 438 PETROLEUM GEOLOGY3 Credits**

The origin, characteristics, occurrence, exploration, and development of/ for petroleum. Possibly one or more field trips.

**GEOS 439 SEDIMENTOLOGY AND STRATIGRAPHY3 Credits**

The origin and characteristics of sedimentary rocks.

**Prerequisites:** GEOS 231, GEOS 231L, GEOS 234, GEOS 234L and Junior or above status

**Co-requisites:** GEOS 439L

**GEOS 439L SEDIMENTOLOGY AND STRATIGRAPHY LABORATORY1 Credit**

Laboratory and field studies of sediments and sedimentary rocks.

**Prerequisites:** Junior or above status

**Co-requisites:** GEOS 439

**GEOS 471 ADVANCED ASTRONOMY1-3 Credits**

A quantitative study of topics introduced in GEOS 233. Includes astrophotography, deep sky viewing, and planetarium.

**Prerequisites:** GEOS 233/, GEOS 233L, and , GEOS 233L, and Junior or above status

**PHYS 151 COLLEGE PHYSICS I3 Credits**

Principles of mechanics, sound, thermodynamics, and fluid mechanics.

**Prerequisites:** MATH 134, MATH 135, MATH 138, MATH 142, or MATH 151

**Co-requisites:** PHYS 151L

**PHYS 151L COLLEGE PHYSICS I LABORATORY1 Credit**

Laboratory exercises in College Physics I.

**Co-requisites:** PHYS 151

**PHYS 152 COLLEGE PHYSICS II3 Credits**

Principles of electricity, magnetism, light, optics and modern physics.

**Prerequisites:** PHYS 151 and PHYS 151L

**Co-requisites:** PHYS 152L

**PHYS 152L COLLEGE PHYS II LABORATORY1 Credit**

Laboratory exercises in College Physics II.

**Co-requisites:** PHYS 152

**PHYS 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**PHYS 241 UNIVERSITY PHYSICS I4 Credits**

The principles of mechanics, heat and sound. Differential and integral calculus applied.

**Prerequisites:** MATH 252

**Co-requisites:** PHYS 241L

**PHYS 241L UNIVERSITY PHYSICS I LABORATORY1 Credit**

Laboratory exercises in University Physics I.

**Co-requisites:** PHYS 241L

**PHYS 242 UNIVERSITY PHYSICS II4 Credits**

Principles of magnetism, electricity, and optics. Differential and integral calculus applied.

**Prerequisites:** PHYS 241 and PHYS 241L

**Co-requisites:** PHYS 242L

**PHYS 242L UNIVERSITY PHYS II LABORATORY1 Credit**

Laboratory exercises in University Physics II.

**Co-requisites:** PHYS 242

**PHYS 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**PHYS 471J INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor and School Dean is required.

## Bachelor of Science - Education - Subject Endorsement in Chemistry (Grades 7-12)

Students must complete the following program in addition to the Professional Education and Essential Studies requirements. It is strongly recommended that students pursuing this endorsement complete

- MATH 138 APPLIED CALCULUS as the Essential Studies SLO #4 requirement and
- GEOS 437 WORLD ENVIRONMENTAL ISSUES to fulfill the Essential Studies SLO #9 requirement.

A final grade of "C" or better must be attained in all endorsement area courses. To obtain a departmental recommendation, the student must complete a minimum of 9 credit hours from Chadron State College in BIOL, CHEM, GEOS, or PHYS.

| Code  | Title  | Credits      |
|---|--|--------------|
| Essential Studies (p. 14)   |  |              |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |  |              |
| Core Requirements   |  |              |
| BIOL 136 & 136L   | BIOLOGICAL SCIENCE and BIOLOGICAL SCIENCE LABORATORY                   | 3            |
| CHEM 131 & 131L   | COLLEGE CHEMISTRY I and COLLEGE CHEMISTRY I LABORATORY                 | 4            |
| CHEM 132 & 132L   | COLLEGE CHEMISTRY II and COLLEGE CHEMISTRY II LABORATORY               | 4            |
| CHEM 231 & 231L   | SURVEY OF ORGANIC CHEMISTRY and SURVEY OF ORGANIC CHEMISTRY LABORATORY | 4            |
| CHEM 310  | CAPSTONE I: RESEARCH SEMINAR   | 1            |
| CHEM 320  | SUPERVISED STUDY IN LAB AND FIELD METHODS                              | 1            |
| CHEM 335 & 335L   | BIOCHEMISTRY I and BIOCHEMISTRY LABORATORY                             | 4            |
| CHEM 341 & 341L   | QUANTITATIVE ANALYSIS and QUANTITATIVE ANALYSIS LABORATORY             | 4            |
| CHEM 401  | CAPSTONE II: SENIOR RESEARCH   | 1            |
| CHEM 410  | CAPSTONE III: SENIOR RESEARCH/THESIS                                   | 1            |
| GEOS 231 & 231L   | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY                       | 4            |
| Select one of the following:  |  | 4-5          |
| PHYS 151 & 151L   | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY                     |              |
| PHYS 241 & 241L   | UNIVERSITY PHYSICS I and UNIVERSITY PHYSICS I LABORATORY               |              |
| Biology Electives   |  | 1            |
| Upper division Chemistry electives  |  | 5            |
| <b>Total Credits</b>  |  | <b>41-42</b> |

## Bachelor of Science - Education - Subject Endorsement in Earth and Space Science (Grades 7-12)

Students must complete the following program in addition to the Professional Education and Essential Studies requirements. It is strongly recommended that students pursuing this endorsement complete

- MATH 138 APPLIED CALCULUS as the Essential Studies SLO #4 requirement and
- GEOS 437 WORLD ENVIRONMENTAL ISSUES to fulfill the Essential Studies SLO #9 requirement.

A final grade of "C" or better must be attained in all endorsement area courses. To obtain a departmental recommendation, the student must complete a minimum of 9 credit hours from Chadron State College in BIOL, CHEM, GEOS, or PHYS.

| Code  | Title | Credits |
|---|-------|---------|
| Essential Studies (p. 14)   |       |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |       |         |
| Core Requirements   |       |         |

|                                     |   |              |
|-------------------------------------|---|--------------|
| BIOL 136 & 136L                     | BIOLOGICAL SCIENCE and BIOLOGICAL SCIENCE LABORATORY                | 3            |
| CHEM 140 & 140L                     | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY <sup>1</sup> | 4            |
| GEOS 137                            | ENVIRONMENTAL GEOLOGY   | 3            |
| GEOS 138 & 138L                     | ASTRONOMY and ASTRONOMY LABORATORY                                  | 3            |
| GEOS 231 & 231L                     | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY                    | 4            |
| GEOS 234 & 234L                     | EARTH SYSTEM HISTORY and EARTH SYSTEM HISTORY LABORATORY            | 4            |
| GEOS 310                            | CAPSTONE I: RESEARCH SEMINAR  | 1            |
| GEOS 320                            | SUPERVISED STUDY IN LAB AND FIELD METHODS                           | 1            |
| GEOS 334                            | METEOROLOGY   | 3            |
| GEOS 401                            | CAPSTONE II: SENIOR RESEARCH  | 1            |
| GEOS 410                            | CAPSTONE III: SENIOR RESEARCH THESIS                                | 1            |
| GEOS 431                            | HYDROGEOLOGY  | 3            |
| GEOS 434                            | INTRODUCTION TO OCEANOGRAPHY  | 3            |
| Select one of the following:        |   | 4-5          |
| PHYS 151 & 151L                     | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY                  |              |
| PHYS 241 & 241L                     | UNIVERSITY PHYSICS I and UNIVERSITY PHYSICS I LABORATORY            |              |
| Biology Electives                   |   | 1            |
| Upper division Geoscience Electives |   | 3            |
| <b>Total Credits</b>                |   | <b>42-43</b> |

<sup>1</sup> CHEM 131/131L and CHEM 132/132L may be substituted for CHEM 140/140L. See Geoscience advisor.

To obtain a departmental recommendation, the student must complete a minimum of 9 hours from Chadron State College in BIOL, CHEM, GEOS, or PHYS.

## Bachelor of Science – Comprehensive Major in Physical Sciences

A student must complete the core requirements, an option, and the Essential Studies requirements. Students seeking to enter graduate school are advised to take advanced coursework in the discipline, plus additional mathematics. Students should consult their advisor.

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

| Code                      | Title  | Credits |
|---------------------------|--|---------|
| Essential Studies (p. 14) |  |         |
| Core Requirements         |  |         |
| CHEM 131 & 131L           | COLLEGE CHEMISTRY I and COLLEGE CHEMISTRY I LABORATORY   | 4       |
| CHEM 132 & 132L           | COLLEGE CHEMISTRY II and COLLEGE CHEMISTRY II LABORATORY | 4       |
| CHEM/GEOS 310             | CAPSTONE I: RESEARCH SEMINAR                             | 1       |



|                                      |   |       |
|--------------------------------------|---|-------|
| CHEM/GEOS 401                        | CAPSTONE II: SENIOR RESEARCH                          | 1     |
| CHEM/GEOS 410                        | CAPSTONE III: SENIOR RESEARCH/THESIS                  | 1     |
| MATH 232                             | APPLIED STATISTICS                                    | 3     |
| PHYS 151<br>& 151L                   | COLLEGE PHYSICS I<br>and COLLEGE PHYSICS I LABORATORY | 4     |
| PHYS 152<br>& 152L                   | COLLEGE PHYSICS II<br>and COLLEGE PHYS II LABORATORY  | 4     |
| Select one of the following options: |   | 32-35 |
| Chemistry (p. 145)                   |   |       |
| Environmental Geoscience (p. 145)    |   |       |
| Geoscience (p. 145)                  |   |       |

**Total Credits** 54-57

## Chemistry Option

| Code  | Title   | Credits |
|---|---|---------|
| Core Requirements   |   | 22      |
| CHEM 333<br>& 333L  | ORGANIC CHEMISTRY I<br>and ORGANIC CHEMISTRY I LABORATORY     | 4       |
| CHEM 334<br>& 334L  | ORGANIC CHEMISTRY II<br>and ORGANIC CHEMISTRY II LABORATORY   | 4       |
| CHEM 335<br>& 335L  | BIOCHEMISTRY I<br>and BIOCHEMISTRY LABORATORY                 | 4       |
| CHEM 341<br>& 341L  | QUANTITATIVE ANALYSIS<br>and QUANTITATIVE ANALYSIS LABORATORY | 4       |
| Science or Math elective (BIOL, CHEM, GEOS, PHYS, MATH)                 |   | 6       |
| Upper division Science or Math electives (BIOL, CHEM, GEOS, PHYS, MATH) |   | 10      |
| <b>Total Credits</b>  |   | 54      |

Students should consult with their academic advisor in Chemistry in choosing elective courses specializing in Sciences and Mathematics.

## Environmental Geoscience Option

| Code                        | Title   | Credits |
|-----------------------------|---|---------|
| Core Requirements           |   | 22      |
| MATH 138                    | APPLIED CALCULUS  | 3       |
| GEOS 231<br>& 231L          | PHYSICAL GEOLOGY<br>and PHYSICAL GEOLOGY LABORATORY               | 4       |
| GEOS 234<br>& 234L          | EARTH SYSTEM HISTORY<br>and EARTH SYSTEM HISTORY LABORATORY       | 4       |
| GEOS 246                    | GEOLOGY FIELD CAMP I  | 3       |
| GEOS 346                    | GEOLOGY FIELD CAMP II   | 3       |
| GEOS 431                    | HYDROGEOLOGY  | 3       |
| BIOL 337                    | ENVIRONMENTAL MANAGEMENT  | 3       |
| GEOS 390                    | INTERNSHIP IN GEOSCIENCE  | 2       |
| Choose one of the following |   | 3-4     |
| AGRI 348                    | RANGELAND HYDROLOGY   |         |
| CHEM 433<br>& 433L          | ENVIRONMENTAL CHEMISTRY<br>and ENVIRONMENTAL CHEMISTRY LABORATORY |         |
| Choose two of the following |   | 6       |
| BIOL 336<br>& 336L          | GENERAL ECOLOGY<br>and GENERAL ECOLOGY LABORATORY                 |         |
| AGRI 242                    | PRINCIPLES OF RANGELAND AND FORAGE<br>MANAGEMENT                  |         |

|                      |   |       |
|----------------------|---|-------|
| AGRI 245<br>& 245L   | PRINCIPLES OF SOIL SCIENCE<br>and PRIN OF SOIL SCIENCE LABORATORY |       |
| PHIL 337             | ENVIRONMENTAL ETHICS  |       |
| <b>Total Credits</b> |   | 56-57 |

## Geoscience Option

| Code                         | Title  | Credits |
|------------------------------|--|---------|
| Core Requirements            |  | 22      |
| MATH 138                     | APPLIED CALCULUS   | 3       |
| GEOS 231<br>& 231L           | PHYSICAL GEOLOGY<br>and PHYSICAL GEOLOGY LABORATORY                                | 4       |
| GEOS 234<br>& 234L           | EARTH SYSTEM HISTORY<br>and EARTH SYSTEM HISTORY LABORATORY                        | 4       |
| GEOS 338                     | ROCKS AND MINERALS   | 3       |
| GEOS 431                     | HYDROGEOLOGY   | 3       |
| GEOS 432                     | STRUCTURAL GEOLOGY   | 3       |
| GEOS 439<br>& 439L           | SEDIMENTOLOGY AND STRATIGRAPHY<br>and SEDIMENTOLOGY AND STRATIGRAPHY<br>LABORATORY | 4       |
| GEOS 246                     | GEOLOGY FIELD CAMP I   | 3       |
| GEOS 346                     | GEOLOGY FIELD CAMP II  | 3       |
| Upper division GEOS elective |  | 3       |
| <b>Total Credits</b>         |  | 55      |

## Bachelor of Science – Education – Field Endorsement in Science (Grades 7-12)

Students must complete the following program in addition to the Professional Education and Essential Studies requirements. It is strongly recommended that students pursuing this endorsement complete

- MATH 138 APPLIED CALCULUS to fulfill the Essential Studies SLO #4 requirement and
- GEOS 437 WORLD ENVIRONMENTAL ISSUES to fulfill the Essential Studies SLO #9 requirement.

Spanish language classes are highly encouraged. To obtain a departmental recommendation, the student must complete a minimum of 9 credit hours from Chadron State College in BIOL, CHEM, GEOS, or PHYS.

Students choosing the Science Field Teaching Endorsement opt for a concentration in one of four areas:

- Biology,
- Chemistry,
- Earth and Space Science, or
- Natural Science (see below)

A final grade of "C" or better must be attained in all endorsement area courses.

| Code  | Title | Credits |
|---|-------|---------|
| Essential Studies (p. 14)   |       |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |       |         |
| Core Requirements   |       |         |

|   |  |       |
|---|--|-------|
| BIOL 101 & 101L                             | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY       | 4     |
| BIOL 102 & 102L                             | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY     | 4     |
| CHEM 131 & 131L                             | COLLEGE CHEMISTRY I and COLLEGE CHEMISTRY I LABORATORY   | 4     |
| CHEM 132 & 132L                             | COLLEGE CHEMISTRY II and COLLEGE CHEMISTRY II LABORATORY | 4     |
| GEOS 231 & 231L                             | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY         | 4     |
| GEOS 234 & 234L                             | EARTH SYSTEM HISTORY and EARTH SYSTEM HISTORY LABORATORY | 4     |
| PHYS 151 & 151L                             | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY       | 4     |
| PHYS 152 & 152L                             | COLLEGE PHYSICS II and COLLEGE PHYS II LABORATORY        | 4     |
| CHEM/GEOS 310                               | CAPSTONE I: RESEARCH SEMINAR                             | 1     |
| CHEM/GEOS/PHYS 320                          | SUPERVISED STUDY IN LAB AND FIELD METHODS                | 1-2   |
| CHEM/GEOS 401                               | CAPSTONE II: SENIOR RESEARCH                             | 1     |
| CHEM/GEOS 410                               | CAPSTONE III: SENIOR RESEARCH/THESIS                     | 1     |
| Select one of the following concentrations: |  | 12-16 |
| Biology (p. 146)                            |  |       |
| Chemistry (p. 146)                          |  |       |
| Earth and Space Science (p. 146)            |  |       |
| Natural Science (p. 146)                    |  |       |

**Total Credits** 48-53

## Biology

| Code              | Title  | Credits |
|-------------------|--|---------|
| Core Requirements |  | 36-37   |
| BIOL 241 & 241L   | MICROBIOLOGY and MICROBIOLOGY LABORATORY   | 4       |
| BIOL 332 & 332L   | GENETICS and GENETICS LABORATORY   | 4       |
| BIOL 336 & 336L   | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY                                       | 3       |
| BIOL 339 & 339L   | COMPARATIVE ANATOMY AND PHYSIOLOGY and COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY | 4       |

**Total Credits** 51-52

## Chemistry

| Code              | Title  | Credits |
|-------------------|--|---------|
| Core Requirements |  | 36-37   |
| CHEM 231 & 231L   | SURVEY OF ORGANIC CHEMISTRY and SURVEY OF ORGANIC CHEMISTRY LABORATORY | 4       |
| CHEM 335 & 335L   | BIOCHEMISTRY I and BIOCHEMISTRY LABORATORY                             | 4       |
| CHEM 341 & 341L   | QUANTITATIVE ANALYSIS and QUANTITATIVE ANALYSIS LABORATORY             | 4       |

|                 |  |   |
|-----------------|--|---|
| CHEM 433 & 433L | ENVIRONMENTAL CHEMISTRY and ENVIRONMENTAL CHEMISTRY LABORATORY | 4 |
|-----------------|--|---|

**Total Credits** 52-53

## Earth and Space Science

| Code              | Title  | Credits |
|-------------------|--|---------|
| Core Requirements |  | 36-37   |
| GEOS 138 & 138L   | ASTRONOMY and ASTRONOMY LABORATORY   | 3       |
| GEOS 334          | METEOROLOGY  | 3       |
| GEOS 431          | HYDROGEOLOGY   | 3       |
| GEOS 434          | INTRODUCTION TO OCEANOGRAPHY   | 3       |
| GEOS 439 & 439L   | SEDIMENTOLOGY AND STRATIGRAPHY and SEDIMENTOLOGY AND STRATIGRAPHY LABORATORY | 4       |

**Total Credits** 52-53

## Natural Science

| Code              | Title  | Credits |
|-------------------|--|---------|
| Core Requirements |  | 36-37   |
| BIOL 312 & 312L   | BIOLOGY FOR EDUCATORS and BIOLOGY FOR EDUCATORS LABORATORY   | 4       |
| CHEM 313 & 313L   | QUANTITATIVE, ORGANIC, AND BIOLOGICAL CHEMISTRY FOR EDUCATORS and QUANTITATIVE, ORGANIC, AND BIOLOGICAL CHEMISTRY FOR EDUCATORS LABORATORY | 4       |
| GEOS 312 & 312L   | PLANETARY GEOLOGY FOR EDUCATORS and PLANETARY GEOLOGY FOR EDUCATORS LABORATORY   | 4       |

**Total Credits** 48-49

Prior to selecting this major, contact the certification officer at Chadron State College. The office is located in the Education Department of the Old Administration Building room 117 or by calling 308-432-6032.

## Bachelor of Science – Education – Middle Level Education Academic Area in Sciences (Grades 5-9)

A student must complete the following program in addition to the Essential Studies, Professional Education Middle Levels requirements, and one other Content Area of Specialization requirements. It is recommended for students pursuing this endorsement to take GEOS 437 WORLD ENVIRONMENTAL ISSUES to fulfill the Essential Studies requirement for student learning outcome number nine (SLO #9).

A final grade of "C" or better must be attained in all endorsement area courses. To obtain a departmental recommendation, the student must complete a minimum of 9 credit hours from Chadron State College in BIOL, CHEM, GEOS, or PHYS. The following course credits must be unduplicated, i.e. different from Essential Studies course credits taken:

| Code  | Title | Credits |
|---|-------|---------|
| Essential Studies (p. 14)   |       |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/middle-level-education/">http://catalog.csc.edu/middle-level-education/</a> ) |       |         |

## Core Requirements

|                         |   |           |
|-------------------------|---|-----------|
| BIOL 101 & 101L         | GENERAL BIOLOGY I and GENERAL BIOLOGY I LABORATORY        | 4         |
| BIOL 102 & 102L         | GENERAL BIOLOGY II and GENERAL BIOLOGY II LABORATORY      | 4         |
| CHEM 131 & 131L         | COLLEGE CHEMISTRY I and COLLEGE CHEMISTRY I LABORATORY    | 4         |
| CHEM 310<br>or GEOS 310 | CAPSTONE I: RESEARCH SEMINAR                              | 1         |
| CHEM 401<br>or GEOS 401 | CAPSTONE II: SENIOR RESEARCH                              | 1         |
| GEOS 129                | PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHER | 3         |
| GEOS 231 & 231L         | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY          | 4         |
| GEOS 234                | EARTH SYSTEM HISTORY                                      | 3         |
| PHYS 151 & 151L         | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY        | 4         |
| <b>Total Credits</b>    |   | <b>28</b> |

## Chemistry Minor

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

| Code   | Title  | Credits      |
|--|--|--------------|
| CHEM 140 & 140L                                | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY                 | 4            |
| CHEM 231 & 231L                                | SURVEY OF ORGANIC CHEMISTRY and SURVEY OF ORGANIC CHEMISTRY LABORATORY | 4            |
| CHEM 335 & 335L                                | BIOCHEMISTRY I and BIOCHEMISTRY LABORATORY                             | 4            |
| CHEM 342 & 342L                                | INSTRUMENTAL ANALYSIS and INSTRUMENTAL ANALYSIS LABORATORY             | 4            |
| Upper division Chemistry Elective <sup>1</sup> |  | 3-4          |
| <b>Total Credits</b>                           |  | <b>19-20</b> |

<sup>1</sup> If the upper division elective has an accompanying laboratory, the student must complete both class and laboratory. Students planning to enroll in CHEM 341/341L as their upper division chemistry elective should take CHEM 131/131L and CHEM 132/132L in place of CHEM 140/140L.

## Environmental Geoscience Minor

### Environmental Geoscience Minor

| Code                        | Title  | Credits |
|-----------------------------|--|---------|
| GEOS 231 & 231L             | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY         | 4       |
| GEOS 234 & 234L             | EARTH SYSTEM HISTORY and EARTH SYSTEM HISTORY LABORATORY | 4       |
| GEOS 431                    | HYDROGEOLOGY   | 3       |
| GEOS 437                    | WORLD ENVIRONMENTAL ISSUES                               | 3       |
| BIOL 337                    | ENVIRONMENTAL MANAGEMENT                                 | 3       |
| Choose one of the following |  | 3-4     |

|                      |  |              |
|----------------------|--|--------------|
| AGRI 348             | RANGELAND HYDROLOGY  |              |
| AGRI 245 & 245L      | PRINCIPLES OF SOIL SCIENCE and PRIN OF SOIL SCIENCE LABORATORY |              |
| BIOL 336 & 336L      | GENERAL ECOLOGY and GENERAL ECOLOGY LABORATORY                 |              |
| CHEM 433 & 433L      | ENVIRONMENTAL CHEMISTRY and ENVIRONMENTAL CHEMISTRY LABORATORY |              |
| <b>Total Credits</b> |  | <b>20-21</b> |

## Geoscience Minor

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| GEOS 231 & 231L      | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY                             | 4         |
| GEOS 234 & 234L      | EARTH SYSTEM HISTORY and EARTH SYSTEM HISTORY LABORATORY                     | 4         |
| GEOS 338             | ROCKS AND MINERALS   | 3         |
| GEOS 431             | HYDROGEOLOGY   | 3         |
| GEOS 432             | STRUCTURAL GEOLOGY   | 3         |
| GEOS 439 & 439L      | SEDIMENTOLOGY AND STRATIGRAPHY and SEDIMENTOLOGY AND STRATIGRAPHY LABORATORY | 4         |
| <b>Total Credits</b> |  | <b>21</b> |

## Physics Minor

Students pursuing this option must complete MATH 151 CALCULUS I as their Essential Studies Math requirement.

| Code   | Title  | Credits      |
|--|--|--------------|
| MATH 252                                       | CALCULUS II  | 5            |
| Select one of the following:                   |  | 4-5          |
| PHYS 151 & 151L                                | COLLEGE PHYSICS I and COLLEGE PHYSICS I LABORATORY       |              |
| PHYS 241 & 241L                                | UNIVERSITY PHYSICS I and UNIVERSITY PHYSICS I LABORATORY |              |
| Select one of the following:                   |  | 4-5          |
| PHYS 152 & 152L                                | COLLEGE PHYSICS II and COLLEGE PHYS II LABORATORY        |              |
| PHYS 242 & 242L                                | UNIVERSITY PHYSICS II and UNIVERSITY PHYS II LABORATORY  |              |
| Upper Division Electives in GEOS, CHEM or PHYS |  | 5            |
| <b>Total Credits</b>                           |  | <b>18-20</b> |

## Water Resources Management Minor

| Code                         | Title  | Credits |
|------------------------------|--|---------|
| CHEM 140 & 140L              | SURVEY OF CHEMISTRY and SURVEY OF CHEMISTRY LABORATORY | 4       |
| GEOS 231 & 231L              | PHYSICAL GEOLOGY and PHYSICAL GEOLOGY LABORATORY       | 4       |
| BIOL 337<br>or GEOS 322      | ENVIRONMENTAL MANAGEMENT<br>INTRODUCTION TO GIS        | 3       |
| AGRI 348                     | RANGELAND HYDROLOGY                                    | 3       |
| Select one of the following: |  | 4       |

|                      |   |           |
|----------------------|---|-----------|
| CHEM 433<br>& 433L   | ENVIRONMENTAL CHEMISTRY<br>and ENVIRONMENTAL CHEMISTRY LABORATORY |           |
| AGRI 245<br>& 245L   | PRINCIPLES OF SOIL SCIENCE<br>and PRIN OF SOIL SCIENCE LABORATORY |           |
| GEOS 431             | HYDROGEOLOGY  | 3         |
| <b>Total Credits</b> |   | <b>21</b> |

## Psychological Sciences

### Mission

The Psychological Sciences program builds skills and knowledge important to the diverse science of behavior and mental processes. Students will use their background in psychology in many careers and will be better able to understand themselves and others.

### Student Learning Outcomes

The undergraduate Psychological Sciences program at Chadron State College adopted student learning outcomes associated with five learning goals developed by the American Psychological Association (APA).<sup>1</sup> Students completing a major in Psychological Sciences will be tested through assignments embedded throughout the curricula as part of the assessment strategy adopted by the Undergraduate Psychological Sciences Program Committee.

#### Goals<sup>1</sup>

1. Demonstrate and apply knowledge of psychology.
2. Use scientific reasoning and critical thinking in psychology.
3. Apply ethical standards to psychological science and practice.
4. Demonstrate effective communication skills.
5. Apply psychological content and skills to career goals.

<sup>1</sup> Source: APA Guidelines for the Undergraduate Psychology Major (Version 2.0) (August 2013). Visit <https://www.apa.org/ed/precollege/undergrad/index> (<https://www.apa.org/ed/precollege/undergrad/index/>) to find the revised APA undergraduate program guidelines.

- Bachelor of Arts – Subject Major in Psychological Sciences (p. 149)
- Psychological Sciences (p. 150)
- Social Psychology and Personality Systems (p. 150)

#### PSYC 131 INTRODUCTION TO PSYCHOLOGICAL SCIENCES3 Credits

The course provides an overview of the subfields in current scientific psychology including the biology of behavior, motivation and learning, cognition, development, personality and social psychology. Emphasis is placed on the use of scientific methods to investigate, interpret and describe psychological phenomena.

**Essential Studies:** SLO #8

#### PSYC 160 SPECIAL TOPICS IN PSYCHOLOGY1-3 Credits

Special topics of current interest in psychology are considered in depth. **Notes:** Students may take more than one special topics course for credit when topics have different course content.

#### PSYC 231 EDUCATIONAL PSYCHOLOGY3 Credits

Reviews key theories and research on human learning and development as applied to student-learning assessment and effective instruction. Fifteen hours of school observation are required.

**Prerequisites:** EDUC 131 with a grade of C or better

#### PSYC 234 COGNITIVE PSYCHOLOGY3 Credits

This course introduces the core psychological processes involved in thinking and cognition, including perception, attention, memory, language, decision making and problem solving.

**Prerequisites:** PSYC 131

#### PSYC 240 STATISTICS FOR PSYCHOLOGY3 Credits

Methods used in summarizing data and generalizing research results are examined. Students develop skills in descriptive and inferential data analysis in the context of psychological research. Students explore statistical software. Familiarity with algebraic processes is assumed.

**Essential Studies:** SLO #4

**Prerequisites:** PSYC 131

#### PSYC 242 MEASUREMENT AND RESEARCH DESIGN3 Credits

Students explore a variety of data collection methods and how they relate to research questions. Students also develop hypotheses, understand the role of ethics in research, participate in psychological studies and prepare research papers.

**Prerequisites:** PSYC 131 and PSYC 240 (can also be taken as a co-requisite)

**Requirements:** Lab fees required.

#### PSYC 243 ABNORMAL PSYCHOLOGY3 Credits

Students study the past and contemporary theories of abnormal behavior, Diagnostic and Statistical Manual of Mental Disorders (DSM) and other taxonomies, and explore research explaining adaptive and maladaptive human behavior.

**Prerequisites:** PSYC 131

#### PSYC 251 SOCIAL PSYCHOLOGY3 Credits

This course investigates the science of social influences on human thought and behavior. Topics include how we view others, interpersonal attraction, attitudes, group relations, conformity and leadership.

**Prerequisites:** PSYC 131

#### PSYC 254 DEVELOPMENTAL PSYCHOLOGY3 Credits

Major theories and research in human developmental psychology are explored including biological, cognitive and psychosocial development from conception through adulthood.

**Prerequisites:** PSYC 131

#### PSYC 330 HEALTH PSYCHOLOGY3 Credits

Health psychology examines the impact of behavior and mental state on one's health. We will focus on the impact of psychological and cultural factors on promotion and maintenance of health, the development of illness, and the management and treatment of illness.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

#### PSYC 341 SPORT, EXERCISE AND PERFORMANCE PSYCHOLOGY3 Credits

This course focuses on the application of psychology theory, research and practice to skilled human performance in sports and other areas. Mental health of skilled performers will be addressed, as well as career paths in a growing area of psychology with applications in sports and other skilled performance areas.

**Prerequisites:** PSYC 131 and sophomore or above status

**PSYC 342 CLINICAL PSYCHOLOGY3 Credits**

Survey of the science and practice of clinical psychology, including diagnoses and evaluations, interventions and prevention strategies for use with clinical populations, cultural applications, and ethical issues in the clinical profession.

**Prerequisites:** PSYC 131, 243 and sophomore or above status

**PSYC 343 PSYCHOLOGY AND LAW3 Credits**

Students will learn about how theory, research and practice in psychological science is applied in the legal system. Relevant research and theory in social, cognitive, clinical and developmental psychology will provide insight about many aspects of the legal system, and improve understanding of how psychology impacts all persons involved.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

**PSYC 344 INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY3 Credits**

This course addresses the sub-field of industrial-organizational psychology, which is concerned with how psychological science is applied to the workplace, with the goals of building better organizations, and improving the well-being and performance of individuals within organizations.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

**PSYC 346 PSYCHOLOGY OF GENDER3 Credits**

This course provides an overview of theory and research on the biological, psychological, and social aspects of gender. Differences and similarities between men and women's behavior and cognitive processes will be discussed, as well as how perceptions of gender affect behavior and cognition. Current issues and research in gender identity will be addressed.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

**PSYC 390 INTERNSHIP IN PSYCHOLOGY3 Credits**

Students interested in practical experiences in psychology.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH3 Credits**

Guided independent research in the area of psychology.

**Prerequisites:** PSYC 131

**Add Consent:** Department Consent

**Notes:** The number of credit hours varies in accordance with the topic and the amount of work required.

**Requirements:** Permission of the advisor, the instructor, and the Dean of Professional Studies and Applied Sciences required.

**PSYC 401 TOPICS IN PSYCHOLOGY3 Credits**

Individual academic needs of those registered in this course will be accommodated. Normally, the instructor will select the topic in psychology.

**Prerequisites:** PSYC 131 and permission of the advisor, the instructor, and the Dean of the School of Education, Human Performance, Counseling, Psychology and Social Work

**Add Consent:** Instructor Consent

**Requirements:** Permission of the advisor, the instructor, or the Dean of Professional Studies and Applied Sciences.

**PSYC 421 CULTURE AND PSYCHOLOGY3 Credits**

Current methods and research findings in the field of cross-cultural psychology. The impact of culture on behavioral and psychological processes such as perception, cognition, development, psychopathology and social behavior is explored.

**Essential Studies:** SLO #10

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 430 INTRODUCTION TO BEHAVIORAL NEUROSCIENCE3 Credits**

This course surveys neural morphology and physiology and, more generally biology's role in the future of scientific psychology. Students examine how the brain drives and reflects behavior.

**Essential Studies:** SLO #6

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 435 THEORIES OF PERSONALITY3 Credits**

Major theoretical orientations and research in personality psychology are explored.

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 442 HISTORY OF PSYCHOLOGY3 Credits**

Survey of the historical background of psychology, emphasizing its philosophical and scientific origins and evolution of the psychological sciences. Contributions of major schools of psychology are emphasized.

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 499 ADVANCED RESEARCH METHODS3 Credits**

Psychological sciences majors develop and complete a research project including data collection and analysis, as well as preparation of an APA Style research report. This course builds on knowledge from earlier classes and helps students develop skills valued in graduate school and careers.

**Prerequisites:** PSYC 131, PSYC 240, PSYC 242, and Junior or above status

## Bachelor of Arts – Subject Major in Psychological Sciences

Students majoring in Psychological Sciences are required to complete a minor (or major) in another subject area.

| Code  | Title                                  | Credits   |
|---|--|-----------|
| Essential Studies (p. 14)   |  |           |
| Core Requirements   |  |           |
| PSYC 131  | INTRODUCTION TO PSYCHOLOGICAL SCIENCES | 3         |
| PSYC 240  | STATISTICS FOR PSYCHOLOGY              | 3         |
| PSYC 242  | MEASUREMENT AND RESEARCH DESIGN        | 3         |
| Lower Level (100 or 200 Level) Electives from Psychological Sciences <sup>1</sup> |  | 9         |
| PSYC 421  | CULTURE AND PSYCHOLOGY                 | 3         |
| PSYC 499  | ADVANCED RESEARCH METHODS              | 3         |
| Upper Level (300 or 400 Level) Electives from Psychological Sciences              |  | 12        |
| <b>Total Credits</b>  |  | <b>36</b> |

<sup>1</sup> Students need to make sure they have enough upper level credits for graduation.

## Psychological Sciences Minor

| Code   | Title                                  | Credits   |
|--|--|-----------|
| PSYC 131   | INTRODUCTION TO PSYCHOLOGICAL SCIENCES | 3         |
| 100 or 200 Level Electives from Psychological Sciences |  | 6         |
| 300 or 400 Level Courses from Psychological Sciences   |  | 12        |
| <b>Total Credits</b>                                   |  | <b>21</b> |

## Social Psychology and Personality Systems Minor

| Code   | Title                                  | Credits   |
|--|--|-----------|
| PSYC 131   | INTRODUCTION TO PSYCHOLOGICAL SCIENCES | 3         |
| PSYC 243   | ABNORMAL PSYCHOLOGY                    | 3         |
| PSYC 251   | SOCIAL PSYCHOLOGY                      | 3         |
| PSYC 435   | THEORIES OF PERSONALITY                | 3         |
| One elective (any level) in Psychological Sciences   |  | 3         |
| 300 or 400 level electives in Psychological Sciences |  | 6         |
| <b>Total Credits</b>                                 |  | <b>21</b> |

## Social Science

### Mission

It is the mission of the Social Science program to prepare social studies teachers as future leaders in secondary education. In doing so, the program seeks to foster critical thinking and inquiry skills, and an interdisciplinary understanding of the social sciences. Furthermore, the program prepares future teachers to effectively communicate knowledge and ideas to students in the secondary education environment, and to design effective lesson plans and learning units within the social sciences.

### Student Learning Outcomes

Students will be able to demonstrate competence in the following skills outcomes of the Social Science program:

- Historical Interpretation
  - 200 - Illustrate how historians make interpretations of the past.
  - 300 - Distinguish broad trends in historical interpretations (historiography).
  - 400 - Synthesize multiple historical interpretations.
- Scholarly Argument
  - 200 - Identify authors' arguments.
  - 300 - Distinguish between authors' main arguments and secondary points.
  - 400 - Evaluate authors' arguments and evidence.
- Scholarly Sources
  - 200 - Learn how to analyze/question a source.
  - 300 - Evaluate sources and contrast diverse and conflicting sources.
  - 400 - Formulate relationships among multiple sources.
- Thesis Statement
  - 200 - Develop thesis statement supported by evidence using appropriate standards of evidence.

- 300 - Create an argument, marshal evidence from multiple sources, and use endnotes, footnotes, and bibliography.
- 400 - Select problem of study, find appropriate resources, and use endnotes, footnotes, and bibliography.

#### 5. Social Sciences

- 200 - Demonstrate the connections among cognate social studies areas.
- 300 - Integrate perspectives from multiple cognate social studies areas.
- 400 - Evaluate the applicability of cognate social science areas.

#### 6. Communication

- Display clear and cogent written and oral communication.

In addition, students will demonstrate competence in the following outcomes particular to the cognate social science:

- Articulate essential knowledge and concepts in the social sciences.
- Interpret quantitative and qualitative evidence.
- Apply the scientific method to answer well-formulated research questions.
- Evaluate the utility of contending analytical perspectives.

- Bachelor of Science – Field Endorsement in Social Science (Grades 7-12) (p. 152)
- Bachelor of Science – Middle Level Education Academic Area in Social Sciences (Grades 5-9) (p. 153)
- Political Science (p. 153)

#### PS 101 INTRODUCTION TO POLITICAL SCIENCES3 Credits

Learn how political scientists study and understand the world of politics. Major concepts in the discipline will be learned and applied from a comparative perspective. Different methodological approaches to studying politics will be investigated, as well as the different analytical frameworks political scientists employ. Students will also learn about the various subfields within the discipline, including Comparative Politics, International Politics, American Politics, Political Behavior, and Political Economy.

**Essential Studies:** SLO #8

#### PS 110 U.S. POLITICS AND CIVIC ENGAGEMENT3 Credits

Institutional and cultural approaches to American government and politics. Students will engage in inquiry about the nature of government and democracy and study the founding of the United States system of government as they evaluate their personal ideological and political values and seek opportunities to contribute positively to a more democratic society.

**Essential Studies:** SLO #9

#### PS 210 POLITICS AND ECONOMICS3 Credits

Analyzes the relationship between politics and economics. The class investigates this relationship by examining an array of institutions, to include the sub-national, the nation-state and the supra-national. Students will acquire knowledge of basic economic concepts and theories and develop methodological literacy needed to understand political and economic research. Further, students will understand the role of political economy in historical explanation.

**Cross-Listed:** HIST 210/PS 210

**PS 321 U.S. POLITICS AND GOVERNMENT3 Credits**

U.S. constitutional system, political process, and governmental institutions from an historical perspective. Emphasis will be placed on American political development. Topics include constitutionalism, federalism, civil liberties, civil rights, public opinion, mass political behavior, campaigns and elections, the legislative process, presidential powers, and judicial powers. While the focus is on national politics, special attention will be paid to Nebraska politics and government.

**Essential Studies:** SLO #8

**Prerequisites:** ENG 135, ENG 136 or 19 on ACT English test and Sophomore or above status

**PS 325 RURAL AND FRONTIER POLITICAL ECONOMY3 Credits**

This course explores the economies, societies and governments of rural America, and the politics relevant to center-periphery relations. Furthermore, it places rural and frontier political economy in comparative perspective through the study of these topics in selected countries.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**Notes:** This course is required for Political Science minors and is an elective for Social Science majors.

**PS 332 GLOBAL POLITICS3 Credits**

The structure of the nation-state system and the processes of political activity both within and between states with an emphasis on historical perspectives of global political development. Processes of governance, conflict within and between states and non-state actors, economic development, globalization, and ideologies from a variety of theoretical and empirical perspectives. This course combines traditional political science subfields of comparative politics and international relations.

**Essential Studies:** SLO #10

**Prerequisites:** PS 101 and Sophomore or above status

**PS 333 CONSTITUTIONAL LAW3 Credits**

A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation.

**Cross-Listed:** CJ333/LS333/PS333

**Prerequisites:** Sophomore or above status

**PS 337 INTRODUCTION TO LAW3 Credits**

A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system and considers economic, social, and political implications as they influence the development of a rule of law. Historical and present legal controversies will be examined.

**Cross-Listed:** CJ337/LS337/PS337

**Prerequisites:** Sophomore or above status

**PS 390 INTERNSHIP IN POLITICAL SCIENCE1-12 Credits**

Provides practical experience in political science in a state or federal agency or other relevant office.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Notes:** 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 availability of a suitable work position, the qualifications of the applicant and the work hours.

**PS 400 INDEPENDENT STUDY/RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of the Instructor, Dean and Academic Vice President is required.

**PS 401 STUDY ABROAD IN POLITICS1-3 Credits**

This course provides students the opportunity to study politics abroad. In addition to the experiential component of the course, students will 1) produce either a reflection essay that places their study abroad experience within some aspect of the political science literature, or 2) compose a research paper that includes field-work and other research methods. The number of units for this course will vary based on the scope of the work additional to the study abroad experience.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**PS 410 POLITICAL INQUIRY3 Credits**

Methods of inquiry in political science will be discussed and applied. Methods will include controlled comparisons, process tracing, interpretive approaches, survey methods, experiments, and linear regression. Students will design and execute projects to apply these research methodologies as they develop an expertise in a substantive topic in political science.

**Prerequisites:** PS 101 and Sophomore or above status

**PS 420 AMERICAN POLITICAL THOUGHT3 Credits**

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-WW II era.

**Prerequisites:** Junior or above status

**PS 429 ISLAM AND POLITICS3 Credits**

The relationship between the religion of Islam and contemporary politics will be analyzed. This relationship will be considered in the context of democratic politics, forms of authoritarian governance, and contentious politics in the Muslim-majority world as well as minority politics in the United States and Western Europe.

**Essential Studies:** SLO #10

**Prerequisites:** PS 101 and Sophomore or above status

**Dual-listed:** PS 529

**PS 430 TOPICS IN POLITICAL SCIENCE1-3 Credits**

Special topics in Political Science.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with a change of emphasis.

**PS 431 HISTORY OF POLITICAL THOUGHT3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**PS 434 CONGRESS AND THE PRESIDENCY3 Credits**

This course will examine the structures and processes of Congress and the Presidency, and how the two institutions interact with one another. Topics will include constituency and partisan influences, organizational structures, and decision-making processes in both branches of government. The course will highlight the independent and dynamic nature of inter-branch relations, with an emphasis on the evolving constitutional system of the United States.

**Prerequisites:** Junior or above status

**PS 436 FIELD STUDY IN POLITICAL SCIENCE3 Credits**

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.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**PS 439 DEMOCRACY: U.S. AND THE WORLD3 Credits**

The concept of political democracy will be critically analyzed in both historical and contemporary discourses. The emergence and evolution of political democracy will be covered with an emphasis on American political culture and institutions and frequent comparisons to other advanced democracies and developing democracies around the world.

**Prerequisites:** PS 101 and Sophomore or above status

**Dual-listed:** PS 539

**SS 323 LAW AND AMERICAN SOCIETY3 Credits**

Nature, functions, and limits of law and its impact on economic, political, and social institutions.

**Cross-Listed:** LS323/SS323

**Prerequisites:** Sophomore or above status

**SS 390 INTERNSHIP IN SOCIAL SCIENCE1-12 Credits**

Provides practical experience in social science in a social or governmental agency. Open to upper division students majoring in one of the social sciences.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 395 SEMINAR IN THE SOCIAL SCIENCES3 Credits**

Required for all History, History Education and Social Science majors. Students will understand Social Science methodologies and integrate knowledge and skills developed over the curriculum. Culminates the interdisciplinary focus of the program and produces a synthetic understanding of a topic/problem that is demonstrated in original scholarly research.

**Cross-Listed:** HIST 395/SS395

**Prerequisites:** Junior or above status

**SS 400 INDEPENDENT STUDY/RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean and Academic Vice President is required.

**SS 430 TOPICS IN SOCIAL SCIENCE1-3 Credits**

Special topics in Social Science.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with a change of emphasis.

## Bachelor of Science – Field Endorsement in Social Science (Grades 7-12)

A student must complete the following program in addition to the Essential Studies Program requirements (PS 101 INTRODUCTION TO POLITICAL SCIENCE is recommended to fulfill SLO #8 of the Essential Studies Program; MATH 232 APPLIED STATISTICS is recommended to fulfill SLO #4 of the Essential Studies Program) and Professional Education requirements.

| Code  | Title   | Credits |
|---|---|---------|
| Essential Studies (p. 14)   |   |         |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |   |         |
| Core Requirements   |   |         |
| HIST 151<br>or HIST 152   | US HISTORY TO 1877<br>US HISTORY SINCE 1877       | 3       |
| HIST 171<br>or HIST 172   | WORLD HISTORY TO 1500<br>WORLD HISTORY SINCE 1500 | 3       |
| PS 101  | INTRODUCTION TO POLITICAL SCIENCE                 | 3       |
| Historical Process Courses  |   |         |
| Select one of the following: 3  |   |         |
| HIST 220  | THE GLOBAL AND IDENTITY                           |         |
| HIST 230  | EXCHANGE AND THE ENVIRONMENT                      |         |
| HIST 240  | BELIEF AND CULTURE                                |         |
| Content/Context (US/Europe) Course  |   |         |
| Select one of the following: 3  |   |         |
| HIST 351  | ANCIENT WEST                                      |         |
| HIST 352  | EUROPE: RENAISSANCE TO WORLD WAR                  |         |
| HIST 353  | EUROPE SINCE 1914                                 |         |
| HIST 354  | US COLONIAL AND EARLY REPUBLIC                    |         |
| HIST 355  | US IN THE NINETEENTH CENTURY                      |         |
| HIST 356  | US IN THE 20TH CENTURY                            |         |
| Content/Context (North American West) Course  |   |         |
| Select one of the following: 3  |   |         |
| HIST 361  | NORTH AMERICAN WEST                               |         |
| HIST 362  | NEBRASKA HISTORY                                  |         |
| HIST 363  | AMERICAN INDIAN HISTORY                           |         |
| HIST 364  | AMERICAN ENVIRONMENTAL HISTORY                    |         |
| HIST 365  | HISTORY OF CANADA                                 |         |
| HIST 366  | HISTORY OF MEXICO                                 |         |
| Content/Context (World) Course  |   |         |



Select one of the following: 3

|          |                            |  |
|----------|----------------------------|--|
| HIST 371 | ANCIENT EAST ASIA          |  |
| HIST 372 | MODERN EAST ASIA           |  |
| HIST 373 | HISTORY OF THE PACIFIC RIM |  |
| HIST 374 | HISTORY OF THE MIDDLE EAST |  |
| HIST 375 | HISTORY OF AFRICA          |  |

Seminar in Process/Context Course

Select one of the following: 3

|          |  |  |
|----------|--|--|
| HIST 455 | PROCESS IN US/EUROPEAN HISTORY         |  |
| HIST 465 | PROCESS IN NORTH AMERICAN WEST HISTORY |  |
| HIST 475 | PROCESS IN WORLD HISTORY               |  |

Select one of the following Focus Areas: 9

|                            |  |  |
|----------------------------|--|--|
| Political Science (p. 153) |  |  |
| Anthropology (p. )         |  |  |

Additional Social Science Electives (p. 153) 24

|        |                                |   |
|--------|--------------------------------|---|
| SS 395 | SEMINAR IN THE SOCIAL SCIENCES | 3 |
|--------|--------------------------------|---|

**Total Credits** 60

## Political Science Focus Area

| Code  | Title                        | Credits  |
|---|------------------------------|----------|
| PS 321  | U.S. POLITICS AND GOVERNMENT | 3        |
| Any Political Science 300-level elective course 3 |                              |          |
| Any Political Science 400-level elective course 3 |                              |          |
| <b>Total Credits</b>                              |                              | <b>9</b> |

## Anthropology Focus Area

| Code                      | Title                          | Credits  |
|---------------------------|--------------------------------|----------|
| ANTH 231                  | INTRO TO CULTURAL ANTHROPOLOGY | 3        |
| ANTH 300-level elective 3 |                                |          |
| ANTH 400-level elective 3 |                                |          |
| <b>Total Credits</b>      |                                | <b>9</b> |

## Additional Social Science Electives

Select at least six course credits from each of four disciplines below that are not in the chosen Focus Area: 24

Discipline One:

|                                  |                                |  |
|----------------------------------|--------------------------------|--|
| ANTH 231                         | INTRO TO CULTURAL ANTHROPOLOGY |  |
| AND ANTH Upper-division Elective |                                |  |

Discipline Two:

|                            |                        |  |
|----------------------------|------------------------|--|
| ECON 231                   | MACROECONOMICS         |  |
| or ECON 232 MICROECONOMICS |                        |  |
| PS 210                     | POLITICS AND ECONOMICS |  |

Discipline Three:

|                                   |                    |  |
|-----------------------------------|--------------------|--|
| GEOG 231                          | PHYSICAL GEOGRAPHY |  |
| & GEOG 232 and CULTURAL GEOGRAPHY |                    |  |

Discipline Four:

|                                |                              |  |
|--------------------------------|------------------------------|--|
| PS 321                         | U.S. POLITICS AND GOVERNMENT |  |
| AND PS Upper-division Elective |                              |  |

Discipline Five:

|          |  |  |
|----------|--|--|
| PSYC 131 | INTRODUCTION TO PSYCHOLOGICAL SCIENCES |  |
|----------|--|--|

AND PSYC Upper-division Elective

**Total Credits** 24

## Bachelor of Science – Middle Level Education Academic Area in Social Sciences (Grades 5-9)

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

| Code  | Title                             | Credits                            |
|---|-----------------------------------|------------------------------------|
| Essential Studies (p. 14)   |                                   |                                    |
| Professional Education Requirements ( <a href="http://catalog.csc.edu/middle-level-education/">http://catalog.csc.edu/middle-level-education/</a> ) |                                   |                                    |
| Core Requirements   |                                   |                                    |
| ECON 130  | SURVEY OF ECONOMICS               | 3                                  |
| GEOG 232  | CULTURAL GEOGRAPHY                | 3                                  |
| HIST 151  | US HISTORY TO 1877                | 3                                  |
| or HIST 152   |                                   | US HISTORY SINCE 1877              |
| HIST 171  | WORLD HISTORY TO 1500             | 3                                  |
| or HIST 172   |                                   | WORLD HISTORY SINCE 1500           |
| Any 300 Level History Course 3  |                                   |                                    |
| PS 101  | INTRODUCTION TO POLITICAL SCIENCE | 3                                  |
| or PS 110   |                                   | U.S. POLITICS AND CIVIC ENGAGEMENT |
| PS 321  | U.S. POLITICS AND GOVERNMENT      | 3                                  |
| ANTH or PS Upper division elective 3  |                                   |                                    |
| <b>Total Credits</b>  |                                   | <b>24</b>                          |

## Political Science Minor

| Code                    | Title                                | Credits   |
|-------------------------|--------------------------------------|-----------|
| PS 101                  | INTRODUCTION TO POLITICAL SCIENCE    | 3         |
| PS 110                  | U.S. POLITICS AND CIVIC ENGAGEMENT   | 3         |
| PS 210                  | POLITICS AND ECONOMICS               | 3         |
| PS 410                  | POLITICAL INQUIRY                    | 3         |
| Choose Two (6 credits): |                                      | 6         |
| PS 321                  | U.S. POLITICS AND GOVERNMENT         |           |
| PS 325                  | RURAL AND FRONTIER POLITICAL ECONOMY |           |
| PS 332                  | GLOBAL POLITICS                      |           |
| PS 333                  | CONSTITUTIONAL LAW                   |           |
| PS 337                  | INTRODUCTION TO LAW                  |           |
| PS 390                  | INTERNSHIP IN POLITICAL SCIENCE      |           |
| PS 401                  | STUDY ABROAD IN POLITICS             |           |
| PS 420                  | AMERICAN POLITICAL THOUGHT           |           |
| PS 429                  | ISLAM AND POLITICS                   |           |
| PS 430                  | TOPICS IN POLITICAL SCIENCE          |           |
| PS 436                  | FIELD STUDY IN POLITICAL SCIENCE     |           |
| PS 439                  | DEMOCRACY: U.S. AND THE WORLD        |           |
| <b>Total Credits</b>    |                                      | <b>18</b> |

# Social Work

## Mission

The CSC Social Work program has been accredited by the Council on Social Work Education (CSWE) since 1993. Students who graduate from Chadron State College in Social Work are prepared for social work practice in a multicultural context within the region, as well as nationally and globally. The challenges of and capacities for addressing human diversity are integrated throughout the social work curriculum. The social work curriculum is also designed to encourage the development of knowledge and skills in collaboration, collegiality, and networking. Graduates of the CSC Social Work program are prepared to provide professional leadership within the region.

The Bachelor of Arts in Social Work at Chadron State College provides an undergraduate experience that fosters student development of practice behaviors and competencies including the knowledge, skills, and values in order to function as generalist Social Workers. The acquired competencies prepare social workers who demonstrate practice abilities that enhance the capacities and quality of life for individuals, families, groups, organizations, and communities within the region of western Nebraska, southwest South Dakota, southeast Wyoming, and northeast Colorado.

In order to carry out the Social Work Program mission of Chadron State College, the Social Work faculty strive for excellence in teaching, scholarship, and service. Social Work faculty teach foundation curriculum with a sensitivity to student needs and with an awareness of the requisite practice behaviors and values appropriate to a competent social work practice at a baccalaureate level. To maintain student learning, Social Work faculty use innovative technology, experiential and active learning approaches, and outcome-based learning that individualize curriculum and instruction to the needs of individual learners.

Social Work faculty continually evaluate courses through student process evaluations, course evaluations of teaching and objective attainment, peer reviews of teaching, assessment of written assignments, and tests of student learning and evaluation of student demonstration of competencies through practice behaviors identified by the Council on Social Work Education. Social Work faculty seek to integrate scholarship with student learning through presentations at regional and national conferences, special projects, and community consultation. Social Work faculty provide service to the College, community, and professional associations by serving on local and regional boards and committees and participating in projects with local human service systems.

## Student Learning Outcomes

To carry out the mission of the Social Work Program and Chadron State College, the Social Work Program seeks to prepare Social Work Professionals who will, upon completion of the Program, be able to:

- Critically engage, assess and intervene with individuals, families, groups, organizations and communities using multidimensional theories and strategies that enhance the social functioning and interactions of individuals, families, groups, organizations, and communities by involving them in recognizing assets and strengths, accomplishing goals, developing resources, and preventing and alleviating distress. Monitor and evaluate intervention efficacy. Apply knowledge of human development across the lifespan and age appropriate prevention interventions.
- Utilize the skills and knowledge to successfully practice within the context of rural settings with diverse cultures, reflected by but not limited to age, gender, mission/orientation, sexual preference, racial or ethnic background, disability, marital status, religious orientations, and life style. Communicate the value of diversity in all social institutions. Recognize the impact of societal values that marginalize or grant privilege to individuals and groups on local and global levels.
- Utilize knowledge of basic human rights, the forms and mechanisms of oppression/social/economic injustice, integrate a value-base that fosters commitment to advocacy, and develop social skills, practice behaviors, and political skills necessary to alleviate oppression/social/economic injustice.
- Critically analyze and implement social welfare policies, services, and programs through political and organizational processes in order meet basic human needs and support the development of human capacities. Demonstrate understanding of historical and current social policies and services.
- Work collaboratively within rural human service agencies and human service delivery systems with supervisors and professional colleagues and develop personal/professional/political support systems.
- Engage in research-informed practice. Utilize the knowledge and skills of research, evaluate professional practice using qualitative and quantitative research methods, use and solicit collegial feedback, and apply existing knowledge to advance Social Work practice.
- Practice Social Work with an ethical orientation compatible with the Code of Ethics of the National Association of Social Workers and to apply strategies of ethical reasoning, and act professionally and intentionally in situations with ethical dilemmas. Conduct one's personal life ethically by recognizing and managing personal values in order to allow professional standards of ethical practice to guide practice.
- Develop an identity as a professional Social Worker and practice Social Work with the highest regard for the strengths/capacities, integrity and value of all beings whether as individuals or in families, groups, organizations and communities. Demonstrate application of the value base of the profession and relevant laws to practice.
- Apply critical thinking, logic, scientific inquiry, and discernment. Demonstrate creativity and ability to communicate relevant information to others.
- 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 following courses:

| Code            | Title                                      | Credits |
|-----------------|--|---------|
| BIOL 121 & 121L | HUMAN BIOLOGY and HUMAN BIOLOGY LABORATORY | 3       |
| ECON 130        | SURVEY OF ECONOMICS                        | 3       |

|          |   |   |
|----------|---|---|
| LS 236   | FAMILY LAW  | 3 |
| PSYC 131 | INTRODUCTION TO PSYCHOLOGICAL SCIENCES              | 3 |
| PSYC 240 | STATISTICS FOR PSYCHOLOGY                           | 3 |
| SW 231   | PROFESSIONAL SOCIAL WORK                            | 3 |
| SW 251   | HUMAN BEHAVIOR/SOCIAL ENVIRONMENT I                 | 3 |
| SW 252   | HUMAN BEHAVIOR/SOCIAL ENVIRONMENT II                | 3 |
| SW 271   | SOCIAL WELFARE HISTORY AND SERVICE DELIVERY SYSTEMS | 3 |

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 Social Work Program

The admissions policy of the Chadron State College Professional Social Work Program is to accept all qualified students within the limits of its resources, facilities, and mission. Qualified students are admitted without regard to age, race, marital status, gender, religion, national origin, or disability. Educational policies, scholarship and loan programs, and other programs and activities, are administered without discrimination. Chadron State College offers a B.A. degree with a comprehensive major in Social Work which is accredited by the Council on Social Work Education (CSWE). Graduating students are prepared to practice as competent beginning Social Work professionals.

Generally, students make application to the Professional Social Work Program during the fall semester of the junior year. Students who change majors or transfer to Chadron State College make application to the Professional Social Work Program when they have either completed or enrolled in all Prerequisite Social Work courses. Applications to the Professional Social Work Program are available online in the Social Work Student Handbook (<http://www.csc.edu/documents/cpsw/sw/StudentHandbook.pdf>).

### Admission Criteria

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

1. Junior standing
2. Cumulative grade point average of 2.50 and a 2.75 GPA in Prerequisite Social Work courses
3. Completion of an Application to the Professional Social Work Program by deadlines published during the fall semester. An Application to the Professional Social Work Program includes: the application form, three letters of reference, written responses to questions identified on the application form, a personal statement, and a current resume
4. Completion of the following required courses:

| a. Code         | Title                                      | Credits |
|-----------------|--|---------|
| BIOL 121 & 121L | HUMAN BIOLOGY and HUMAN BIOLOGY LABORATORY | 3       |
| ECON 130        | SURVEY OF ECONOMICS                        | 3       |
| LS 236          | FAMILY LAW                                 | 3       |
| PSYC 131        | INTRODUCTION TO PSYCHOLOGICAL SCIENCES     | 3       |
| PSYC 240        | STATISTICS FOR PSYCHOLOGY                  | 3       |

|        |   |   |
|--------|---|---|
| SW 231 | PROFESSIONAL SOCIAL WORK                            | 3 |
| SW 251 | HUMAN BEHAVIOR/SOCIAL ENVIRONMENT I                 | 3 |
| SW 252 | HUMAN BEHAVIOR/SOCIAL ENVIRONMENT II                | 3 |
| SW 271 | SOCIAL WELFARE HISTORY AND SERVICE DELIVERY SYSTEMS | 3 |

5. Documentation of 40 hours of volunteer experience in a social service setting must be completed by the beginning of the fall semester of the senior year.
6. Completed interview with Social Work faculty and the Social Work Program Advisory Committee.
7. Signed statement of acknowledgement of student's willingness to abide by the NASW Code of Ethics.

In accordance with the educational standards of the Council on Social Work Education and Chadron State College, the Social Work Program does not grant academic credit for life experience for any social work course requirement.

After discussion with Social Work faculty, a student who does not meet the admission requirements for the Social Work Program may petition the Social Work Advisory Committee for special consideration.

Once accepted into the Professional Social Work program, students who apply to enter the Social Work Field Program are required to complete a criminal background check. The background check will include states and counties of prior residence and will be completed at the expense of the student.

A student with a major felony conviction(s) including but not limited to the use of weapons or abuse of vulnerable individuals may not be able to complete SW 464 SOCIAL WORK FIELD PRACTICUM, depending upon the Program's ability to find a field placement site. If a student completes the Social Work Professional Program, he/she may not be able to secure a license to practice Professional Social Work, depending upon a given state's social work licensing board's standards or depending upon a given agency's hiring standards. Students with questions about prior convictions must schedule a meeting with the Social Work Program Director and Field Director to discuss circumstances and options available.

Applications for admission to the Professional Social Work Program are reviewed by the Social Work Program Advisory Committee. Students also interview with the Social Work Program Advisory Committee. Action on admission requests may include admission, conditional admission, or denial of admission. Students are notified of the decision of the Social Work Program Advisory Committee by an official letter from the Director of the Social Work Program. Students who are not accepted may appeal the decision by initiating the appeal process as outlined in the Social Work Program Student Handbook.

### Transfer Students

Students transferring into CSC may upon completion of Prerequisite Social Work courses or upon enrollment in Prerequisite Social Work courses, apply for admission to the Professional Social Work Program. Before a student can be admitted to the Professional Social Work Program, the application process must be completed.

In situations where students are applying to the Professional Social Work Program while finishing Prerequisite courses, students may enroll in

Professional Social Work courses on a conditional basis with permission of the Director of the Social Work Program.

Students wanting to transfer credits from another institution must submit an official transcript to Chadron State College for evaluation. Unless an articulation agreement related to Social Work courses exists between Chadron State College and the institution, students must submit syllabi from prior Social Work courses to the Director of the Social Work Program. For Social Work Program courses, the final decision concerning content and acceptability of transferred courses rests with the Director of the Social Work Program.

## Termination Policy

Please refer to the Chadron State College Termination from Social Work Program policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3504/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>) for further details.

- Bachelor of Arts – Comprehensive Major in Social Work (p. 158)

### SW 230 TOPICS IN SOCIAL WORK1-3 Credits

Special topics in social work.

**Notes:** May be repeated with a change of emphasis.

### SW 231 PROFESSIONAL SOCIAL WORK3 Credits

Surveys the social work profession, including but not limited to social work leaders of the present and past, social work theories, beliefs, values, and ethics, social work fields of practice, methods, special populations, and human diversity in a rural area. Introduces systems theory, person-in-environment and U.S. political spectrum. Discusses the social work code of ethics. Students engage in personal values clarification relative to this code.

### SW 251 HUMAN BEHAVIOR/SOCIAL ENVIRONMENT I3 Credits

Examines theories of human development from prenatal to old age using a multidimensional, multicultural perspective that includes bio-physical, psychological, social, economic, and spiritual. Students apply developmental knowledge to understand person and environment and demonstrate introductory level practice behaviors in observation and interviewing.

### SW 252 HUMAN BEHAVIOR/SOCIAL ENVIRONMENT II3 Credits

Examines theories and perspectives on human behavior in organizations and communities, including political-economic motivations, expectation sets, joining behaviors in the rural context. Competencies for dealing with power differentials, negotiation and coalition building are addressed. Issues associated with race/ethnicity, minority status, disabilities, and economic status involving vulnerable populations or at-risk population are emphasized. Students apply developmental knowledge and multidimensional perspectives through self-reflection, observations, interviews, and written analysis.

**Prerequisites:** SW 251

### SW 271 SOCIAL WELFARE HISTORY AND SERVICE DELIVERY SYSTEMS3 Credits

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.

**Prerequisites:** SW 231, SW 251, and SW 252

### SW 330 DIVERSITY IN THE RURAL ENVIRONMENT4 Credits

Examines practice competencies needed for generalist social work practice in the context of the rural setting. Social issues (poverty, isolation, transportation, and housing) and theories related to the life experience of African Americans, Native Americans, Asian Americans, and Hispanic Americans. Explores cultures and heritages of these groups along with other social groups such as women and sexual minorities in the rural context. Discusses factors of service provision with emphasis on capacity building in rural communities and issues of accommodation, acculturation, and assimilation.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

### SW 331 SERVICES TO CHILDREN AND FAMILIES3 Credits

Needs of children and families and services appropriate to satisfy these needs. Focuses on difficulties, strategies for intervention based upon a multi-cultural strengths perspective and rural practice context. Social services for children and families are identified. Practice behaviors for legal and protective intervention, court process, and a variety of treatment interventions are explored. Field trips and/or agency guest lecturers provide an opportunity for on-site observation.

**Prerequisites:** Sophomore or above status

### SW 332 SERVICES TO ELDERLY AND DIFFERENTLY ABLED2 Credits

Practice behaviors and competencies of generalist social work practice with the geriatric population are addressed. Needs of the elderly and the physically and mentally differently abled are explored. Intervention and advocacy on behalf of these vulnerable populations is emphasized. Current services and alternatives will be considered. Rural context, myths and values will be discussed along with specific treatment modalities.

**Co-requisites:** SW 435 and Sophomore or above status

**Notes:** Professional social work program course.

### SW 338 CROSS CULTURAL PRACTICE SKILLS3 Credits

Explores the practice skills and cultural competencies necessary to practice social work with peoples of color, specifically Native Americans, African Americans, Hispanic Americans and Asian Americans. Examines the historical and regional context of social service interventions, current areas of need and skills and competencies required to provide social work interventions within a cross-cultural setting.

**Prerequisites:** SW 271 and Sophomore or above status

### SW 339 ALCOHOL AND SUBSTANCE ABUSE3 Credits

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 chemical abuse and dual diagnosis of substance and mental illness. Ethno cultural factors in substance dependency are examined.

**Prerequisites:** Sophomore or above status

### SW 340 MENTAL HEALTH SOCIAL WORK3 Credits

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.

**Prerequisites:** Sophomore or above status

**SW 343 RESEARCH METHODS3 Credits**

Introduces qualitative and quantitative world views, basic research methods, including developing single subject, survey and grounded theory research designs to evaluate practice. Students develop competencies with critiques of research articles and application of existing social work knowledge and empirical research to design multi-level interventions and evaluation methods with individuals, families, groups, communities, and organizations. Students will demonstrate beginning generalist competency through individual and group projects.

Professional social work program course.

**Prerequisites:** SW 231, SW 251, SW 252, SW 271 and MATH 232 or PSYC 242 and Sophomore or above status

**Co-requisites:** SW 343L

**Add Consent:** Department Consent

**SW 343L RESEARCH METHODS LABORATORY1 Credit**

Students apply knowledge of qualitative research methods generated from class instruction and discussion in SW 343, Research Methods. Students complete qualitative research assignments as assigned by instructor.

**Prerequisites:** Sophomore or above status

**Co-requisites:** SW 343

**Add Consent:** Department Consent

**Notes:** Professional Social Work course.

**SW 371 INTERNATIONAL SOCIAL WELFARE3 Credits**

Examines globalization, salient global issues, development of institutions of social welfare, and their impact on social well-being, and human need. The role of international organizations, sustainable agriculture, economic development, alternate economic structures, political systems, and policies in third world nations are examined. Emphasis is placed on the relationship between human rights, social, and distributive justice and social intervention.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**SW 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor and Dean is required.

**SW 430 TOPICS IN SOCIAL WORK1-3 Credits**

Special topics in social work.

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a change of emphasis.

**SW 431 GENERALIST METHODS LABORATORY1 Credit**

Students acquire knowledge and practice behavior skill in professional use of self in various interpersonal situations, including professional interviewing, therapeutic relationships, and personal assertiveness. Students record role plays with peer evaluations, individually complete programmed learning exercises to demonstrate engagement, assessment, intervention planning with clients and evaluation of practice.

**Prerequisites:** SW 231, SW 251, SW 252, SW 271, and Junior or above status

**Co-requisites:** SW 432

**Add Consent:** Department Consent

**Notes:** Professional Social Work Program course.

**SW 432 METHODS I: INDIVIDUALS AND FAMILIES3 Credits**

Examines social work interventions with individuals and families based upon social work research and theory, particularly resilience and the strength's perspective. Examines approaches to assessment, planning, implementation, and evaluation. Specific emphasis is given to social work practice behaviors and considerations of diversity when working with individuals and families.

**Prerequisites:** SW 231, SW 251, SW 252, SW 271, and Junior or above status

**Co-requisites:** SW 431

**Add Consent:** Department Consent

**Notes:** Professional Social Work Program course.

**SW 433 METHODS II:THERAPEUTIC AND TASK GROUPS3 Credits**

Examines a broad range of groups, with emphasis on group theory, the nature and uses of therapeutic and task groups, including: group development, dynamics, facilitation skills, group assessments and outcome evaluation. Students demonstrate competencies, practice behaviors, and application of critical thinking, social work ethics in simulations and role plays with emphasis on assessment, design, and interventions with multi-cultural individuals, families, organizations and communities.

**Prerequisites:** SW 343, SW 432, and Junior or above status

**Notes:** Professional social work program course.

**SW 434 POLICY ANALYSIS AND ADVOCACY3 Credits**

Examines theories on the development of public social welfare policy in the United States and explores the mechanisms and methods that sustain discrimination and oppression within policy processes. Competencies for advocacy including power differentials, negotiation and coalition building are addressed. Examines historical, content, process, political-economic, comparative, and constructivist models of policy analysis and applies these models to national and global social welfare issues for at-risk populations. Students demonstrate competencies through a policy analysis of a national policy with relevance to the local rural context, recommend proposed changes, and identify strategies for changing social welfare policies and practices.

**Prerequisites:** Junior or above status

**Co-requisites:** SW 433

**Notes:** Professional Social Work Program course.

**SW 435 METHODS III: ORGANIZATIONS AND COMMUNITIES3 Credits**

SW 435 Methods III: Organizations and Communities Credit 3 hours  
Explores strategies and tactics for organizational and community change using a strength's perspective with attention to changing barriers to out-group participation in society and with attention to building systems responsive to the physical, psychological, social and economic needs of minority populations. Students demonstrate competency in organizational and community assessments, identify change targets, and propose strategies and tactics for creating change. Students participate in a significant community level project.

**Prerequisites:** Junior or above status

**Co-requisites:** SW 332 and SW 434

**Notes:** Professional social work program course.

**SW 436 FORENSIC SOCIAL WORK3 Credits**

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.

**Prerequisites:** Junior or above status

**SW 459 PRE-FIELD AND ORIENTATION1 Credit**

Examines ethical dilemmas and ethical decision making. Social Work Code of Ethics, professional behavior, organizational entry, use of supervision, and field instruction policies and procedures. Field instructors and students complete written learning contracts with identified goals that will permit measurement of student attainment of practice behaviors and competencies applied in agency settings when in SW 464, Practicum.

**Prerequisites:** Junior or above status

**Notes:** Professional Social Work Program course.

**SW 463 PROFESSIONAL SEMINAR2 Credits**

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.

**Prerequisites:** SW 459 and Junior or above status

**Co-requisites:** SW 464

**Add Consent:** Department Consent

**Notes:** Advanced professional social work program course.

**SW 464 SOCIAL WORK FIELD PRACTICUM5-10 Credits**

Provides a structured educational experience in an approved social service agency with an approved field instructor based upon a written learning contract. Students complete a variety of learning tasks that demonstrate practice behaviors and competencies of a beginning generalist social work professional. Students should enroll for 10 credit hours and expect to work 34-36 hours per week for the semester for a minimum total of 450 hours. In special situations and with the approval of the field director, a student may register for 5 credit hours in each of two consecutive spring semesters.

**Prerequisites:** SW 459 and Junior or above status

**Co-requisites:** SW 463

**Add Consent:** Department Consent

**Notes:** Professional social work program course.

# Bachelor of Arts – Comprehensive Major in Social Work

A student must complete the following program in addition to all coursework required by Chadron State College. Students pursuing this comprehensive major must complete the following: BIOL 121 HUMAN BIOLOGY/BIOL 121L HUMAN BIOLOGY LABORATORY and ECON 130 SURVEY OF ECONOMICS.

| Code                      | Title   | Credits |
|---------------------------|---|---------|
| Essential Studies (p. 14) |   |         |
| Core Requirements         |   |         |
| LS 236                    | FAMILY LAW  | 3       |
| PSYC 131                  | INTRODUCTION TO PSYCHOLOGICAL SCIENCES              | 3       |
| PSYC 240                  | STATISTICS FOR PSYCHOLOGY                           | 3       |
| SW 231                    | PROFESSIONAL SOCIAL WORK                            | 3       |
| SW 251                    | HUMAN BEHAVIOR/SOCIAL ENVIRONMENT I                 | 3       |
| SW 252                    | HUMAN BEHAVIOR/SOCIAL ENVIRONMENT II                | 3       |
| SW 271                    | SOCIAL WELFARE HISTORY AND SERVICE DELIVERY SYSTEMS | 3       |
| SW 330                    | DIVERSITY IN THE RURAL ENVIRONMENT                  | 4       |

|               |  |    |
|---------------|--|----|
| SW 332        | SERVICES TO ELDERLY AND DIFFERENTLY ABLED        | 2  |
| SW 343 & 343L | RESEARCH METHODS and RESEARCH METHODS LABORATORY | 4  |
| SW 431        | GENERALIST METHODS LABORATORY                    | 1  |
| SW 432        | METHODS I: INDIVIDUALS AND FAMILIES              | 3  |
| SW 433        | METHODS II:THERAPEUTIC AND TASK GROUPS           | 3  |
| SW 434        | POLICY ANALYSIS AND ADVOCACY                     | 3  |
| SW 435        | METHODS III: ORGANIZATIONS AND COMMUNITIES       | 3  |
| SW 459        | PRE-FIELD AND ORIENTATION                        | 1  |
| SW 463        | PROFESSIONAL SEMINAR                             | 2  |
| SW 464        | SOCIAL WORK FIELD PRACTICUM                      | 10 |

**Total Credits 57**

Depending upon student’s future practice interests, Social Work students are encouraged to consider one or more of the following Social Work electives in course planning:

| Code   | Title                             | Credits |
|--------|-----------------------------------|---------|
| SW 331 | SERVICES TO CHILDREN AND FAMILIES | 3       |
| SW 338 | CROSS CULTURAL PRACTICE SKILLS    | 3       |
| SW 339 | ALCOHOL AND SUBSTANCE ABUSE       | 3       |
| SW 340 | MENTAL HEALTH SOCIAL WORK         | 3       |
| SW 430 | TOPICS IN SOCIAL WORK             | 1-3     |
| SW 436 | FORENSIC SOCIAL WORK              | 3       |

Social Work faculty may offer special topics courses under SW 230 TOPICS IN SOCIAL WORK or SW 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 (i.e. WLAN 100 CONVERSATIONAL FOREIGN LANGUAGE).

## Recommended Electives

Students interested in the following fields of Social Work practice, may want to consider ONE OR MORE of the following recommended electives

| Code                             | Title   | Credits |
|----------------------------------|---|---------|
| <b>Disability Services</b>       |   |         |
| PSYC 435                         | THEORIES OF PERSONALITY                               | 3       |
| SPED 435                         | ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES | 3       |
| SW 332                           | SERVICES TO ELDERLY AND DIFFERENTLY ABLED             | 2       |
| <b>Policy Analysis</b>           |   |         |
| CA 346                           | INTERCULTURAL COMMUNICATION                           | 3       |
| ECON 231                         | MACROECONOMICS  | 3       |
| ECON 232                         | MICROECONOMICS  | 3       |
| LS 333                           | CONSTITUTIONAL LAW                                    | 3       |
| <b>Mental Health Services</b>    |   |         |
| AIS 334                          | LAKOTA SOCIETY AND CULTURE                            | 3       |
| PSYC 243                         | ABNORMAL PSYCHOLOGY                                   | 3       |
| PSYC 435                         | THEORIES OF PERSONALITY                               | 3       |
| SW 340                           | MENTAL HEALTH SOCIAL WORK                             | 3       |
| <b>International Social Work</b> |   |         |
| AGRI 423                         | AGRICULTURAL POLICY                                   | 3       |

|                                     |   |   |
|-------------------------------------|---|---|
| PS 332                              | GLOBAL POLITICS                         | 3 |
| SW 371                              | INTERNATIONAL SOCIAL WELFARE            | 3 |
| <b>Adolescent – School Services</b> |   |   |
| AIS 334                             | LAKOTA SOCIETY AND CULTURE              | 3 |
| CJ 338                              | COMMUNITY BASED CORRECTIONS             | 3 |
| CJ 432                              | JUVENILE LAW                            | 3 |
| LS 432                              | JUVENILE LAW                            | 3 |
| SOC 332                             | JUVENILE DELINQUENCY                    | 3 |
| SPED 331                            | BEHAVIOR MODIFICATION AND MANAGEMENT    | 3 |
| SW 331                              | SERVICES TO CHILDREN AND FAMILIES       | 3 |
| SW 339                              | ALCOHOL AND SUBSTANCE ABUSE             | 3 |
| <b>Administration</b>               |   |   |
| AIS 334                             | LAKOTA SOCIETY AND CULTURE              | 3 |
| BA 337                              | BUSINESS LAW                            | 3 |
| LS 235                              | ADMINISTRATIVE LAW                      | 3 |
| LS 435                              | LAW OF BUSINESS ORGANIZATIONS           | 3 |
| MGMT 230                            | PRINCIPLES OF MANAGEMENT                | 3 |
| <b>Child Welfare Services</b>       |   |   |
| AIS 334                             | LAKOTA SOCIETY AND CULTURE              | 3 |
| SPED 331                            | BEHAVIOR MODIFICATION AND MANAGEMENT    | 3 |
| SW 331                              | SERVICES TO CHILDREN AND FAMILIES       | 3 |
| <b>Gerontology Services</b>         |   |   |
| PSYC 234                            | COGNITIVE PSYCHOLOGY                    | 3 |
| PSYC 243                            | ABNORMAL PSYCHOLOGY                     | 3 |
| PSYC 430                            | INTRODUCTION TO BEHAVIORAL NEUROSCIENCE | 3 |
| SW 339                              | ALCOHOL AND SUBSTANCE ABUSE             | 3 |

## Special Education

### Mission

Chadron State College offers a cross-categorical special education program, providing teaching endorsement programs with current information, skills, and methods regarding program planning, implementation, and assessment for learners with mild/moderate disabilities. Endorsements in Special Education have been selected for their broad scope to effectively meet the special educational needs of teachers who will serve students in a variety of teaching/learning and inclusive environments.

The undergraduate special education curriculum provides the following options:

- Special Education endorsement (K-12) and
- Early Childhood Inclusive endorsement (Birth-grade 3).

### Student Learning Outcomes

#### CSC Education Unit Intended Program Outcomes

The intended program outcomes are as follows:

1. CSC/InTASC Standard #1: Learner Development. The teacher candidate understands how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and designs and implements developmentally appropriate and challenging learning experiences. (Methodology)

2. CSC/InTASC Standard #2: Learning Differences. The teacher candidate uses understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards. (Inclusive Learning Environments)
3. CSC/InTASC Standard #3: Learning Environments. The teacher candidate works with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation. (Communication)
4. CSC/InTASC Standard #4: Content Knowledge. The teacher candidate understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and creates learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content. (Specialty Studies)
5. CSC/InTASC Standard #5: Application of Content. The teacher candidate understands how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues. (Thinking Skills)
6. CSC/InTASC Standard #6: Assessment. The teacher candidate understands and uses multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making. (Assessment)
7. CSC/InTASC Standard #7: Planning for Instruction. The teacher candidate plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, technology, and pedagogy, as well as knowledge of learners and the community context. (Methodology)
8. CSC/InTASC Standard #8: Instructional Strategies. The teacher candidate understands and uses a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways. (Methodology)
9. CSC/InTASC Standard #9: Professional Learning and Ethical Practice. The teacher candidate engages in ongoing professional learning and uses evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (learners, families, other professionals, and the community), and adapts practice to meet the needs of each learner. (Professionalism)
10. CSC/InTASC Standard #10: Leadership and Collaboration. The teacher candidate seeks appropriate leadership roles and opportunities to take responsibility for student learning, to collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth, and to advance the profession. (Leadership)
11. CSC Standard #11: Impact on Student Learning and Development. The teacher candidate works to positively impact the learning and development for all students. (Professionalism)
12. CSC Standard #12: Professional Dispositions. The teacher candidate demonstrates passion, self-awareness, initiative and enthusiasm; and demonstrates skills in interpersonal relationship, reflective response to feedback, and displays evidence of appropriate social awareness; and practices good judgment, flexibility, problem-solving skill, professional communication and organization; and maintains a professional demeanor and appearance, and displays dependability, punctuality and perseverance. (Communication, Professionalism)

CCSSO's Interstate Teacher Assessment and Support Consortium (InTASC). (2013). *InTASC model core teaching standards and learning progressions for teachers 1.0*. Washington, DC: Council of Chief State School Officers.

- Bachelor of Science – Education – Field Endorsement in Special Education Generalist (Grades K-12) (p. 163)
- Bachelor of Science – Education – Early Childhood Inclusive Field Endorsement (Birth through Grade 3) (p. 161)

#### **SPED 216 PRE-REFERRAL CLINICAL EXPERIENCE1 Credit**

This course promotes learning opportunities to develop the understanding of how assessment instruments and equipment are used in the screening of students. The screening can be used for academic achievement, program development, pre-referral for evaluation, or assistive technology. Student will complete professional clinical experience (20 clock hours) in a general education setting to develop an understanding of how pre-referral assessment instruments and Multi-Tiered Systems of Support (MTSS) strategies are used in the screening of students. These hours may be completed working in a Title I, MTSS, TAT, Head Start or other school pre-referral program.

**Prerequisites:** SPED 230

#### **SPED 230 INTRODUCTION TO THE EXCEPTIONAL LEARNER3 Credits**

Provides an overview of the exceptionalities, their definitions, prevalence, etiology, characteristics and related instructional needs and accommodations for students with special needs and exceptional populations including gifted/talented students. Emphasis is on current educational methods and placements to understanding the impact of teaching practices and curriculum, considerations.

**Prerequisites:** EDUC 131

**Requirements:** Required of all Education Majors.

#### **SPED 231 SURVEY/EFFECTS OF DISABILITIES3 Credits**

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.

**Prerequisites:** SPED 230

#### **SPED 232 INTERPERSONAL COMMUNICATION SKILLS FOR SPECIAL EDUCATORS3 Credits**

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.

**Prerequisites:** SPED 230

#### **SPED 316 MICRITEACHING PRESCHOOL/ELEMENTARY/MIDDLE SCHOOL SPECIAL EDUCATION1 Credit**

Application of instructional techniques in a resource or inclusive classroom setting is emphasized. Various techniques of instruction are included in the design and implementation of individual and small group programs.

**Prerequisites:** Sophomore or above status

#### **SPED 316E MICRITEACHING IN PRESCHOOL/ELEMENTARY/MIDDLE SCHOOL SPECIAL EDUCATION1 Credit**

Promotes the hands-on application of methods learned in accordance with teaching students with special needs at the preschool, elementary or middle grades level. Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 50 hours of clinical practice.

**Prerequisites:** Sophomore or above status

#### **SPED 316S MICRITEACHING IN SECONDARY SPECIAL EDUCATION1 Credit**

Promotes the hands-on application of methods learned in accordance with teaching students with special needs at the secondary level (7-12). Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 50 hours of clinical practice.

**Prerequisites:** Sophomore or above status

#### **SPED 317 MICRITEACHING IN EARLY CHILDHOOD EDUCATION/ ELEMENTARY/MIDDLE SCHOOL/SECONDARY SPECIAL EDUCATION2 Credits**

This course is a field experience and requires a background check. This course promotes the hands-on application of methods learned in accordance with teaching students with special needs at the preschool through the secondary levels. Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 60 clock hours of clinical practice. Thirty (30) clock hours must be spent at either the Early Childhood or elementary levels, and 30 clock hours must be spent at the middle school or secondary levels.

#### **SPED 331 BEHAVIOR MODIFICATION AND MANAGEMENT3 Credits**

This course promotes the understanding of behavior management theories and best practices for students with disabilities. The focus is on identifying behavior strategies based upon data collection, functional, and formal assessment from preschool through adolescence. Emphasis will be placed upon positive behavioral intervention strategies and best practice for promoting behavioral change among students. Topics include: legal considerations; manifestation determination; and the impact of cultural diversity, family dynamics and economic stressors on school behavior.

**Prerequisites:** SPED 230 and Junior or above status

#### **SPED 334 DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS3 Credits**

This course covers teaching strategies, laws, and procedures for working with students with special needs within diverse and inclusive classroom environments. Students will participate in hands-on activities, identify key instructional strategies and accommodations for students with special needs including gifted/talented and ELL students and become familiar with laws and policies governing special education practices in today's schools.

**Prerequisites:** PSYC 231, SPED 230, and Sophomore or above status

**Requirements:** 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 390 INTERNSHIP IN SPECIAL EDUCATION1-3 Credits**

Provides practical experience in an agency related to education/special education.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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

**SPED 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, Academic Dean and Academic Vice President required.

**SPED 432 ELEMENTARY/MIDDLE SCHOOL/SECONDARY METHODS AND MATERIALS FOR MILD/MODERATE DISABILITIES3 Credits**

This course covers instructional, curricular, and adaptive or assistive technological approaches to accommodate the academic, social, emotional, cognitive, linguistic, and physical needs of learners with mild/moderate disabilities. Based on best practice learning theories for students with special needs, 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:** Junior or above status

**SPED 433 PROGRAM DEVELOPMENT, IMPLEMENTATION, AND MANAGEMENT3 Credits**

This course teaches development, implementation, and management of special education programs, which include individual education plans (IEP), individual family service plan (IFSP), and transition plans. This course will include (a) a background of laws leading up to IDEA, (b) a working knowledge of IDEA and related amendments, (c) hands-on experience in the formulation and development of IEP's, IFSP's, transition plans, and (d) techniques/strategies in adapting curriculum for students with special needs (e) identification of community resources and support for families of students with disabilities.

**Prerequisites:** Junior or above status

**SPED 435 ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES3 Credits**

Provides opportunities to learn assessment procedures and practices used to obtain information about the learning and development of students with mild/moderate needs, including administering, interpreting, and reporting test results and formulating instructional 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.

**Prerequisites:** Junior or above status

**SPED 437 SPECIAL TOPICS IN SPECIAL EDUCATION1-3 Credits**

Development, implementation, and management of Inclusive Classrooms in the K-12 school environment. This course will include (a) intervention [RTI]; (b) inclusive classroom environments; (c) federal laws including IDEA; (d) classroom management and inclusive classroom behavior interventions; (e) curriculum adaptation; and (f) providing supportive services for all children including those who are at risk.

**Prerequisites:** Junior or above status

**SPED 438 CONSULTATION/COLLABORATION3 Credits**

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 and 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.

**Prerequisites:** Junior or above status

**SPED 439 LANGUAGE AND LEARNING DISORDERS3 Credits**

This course is an introductory course for undergraduate students on the subject of language and associated learning disorders. It provides students with an opportunity for integrating information from several content areas (i.e., language development, learning disorders, and anatomy) and applying that knowledge to children presenting language-based learning disorders.

**Prerequisites:** Junior or above status

**SPED 444 SPECIAL EDUCATION PRACTICES AND STRATEGIES1 Credit**

This course covers teaching strategies, development of curriculum units and lesson planning, questioning skills and motivation techniques for teachers teaching within inclusive classroom environments.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course is taken as part of the professional year.

**SPED 455 CHARACTERISTICS OF LEARNING DISABILITIES3 Credits**

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.

**Prerequisites:** Junior or above status

## Bachelor of Science – Education – Early Childhood Inclusive Field Endorsement (Birth through Grade 3)

This endorsement qualifies teachers to teach and provide services to infants, toddlers, and children from Birth through Grade 3, including those with special developmental and/or learning needs as defined in Section 79-1118.08R.S of the Nebr. Dept. of Education Title 92, Rule 24 Code, and to support families and other personnel with responsibilities for their care and education. A student must complete the following program requirements in addition to their Essential Studies and Professional Education Program course requirements.

## Professional Education

The following courses are prerequisites to the Professional (Senior/Capstone) Year. A student must maintain the required minimum GPA

as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) with no course grade below a "C": Refer to Application to Professional Year Requirements.

| Code   | Title  | Credits      |
|--|--|--------------|
| Essential Studies (p. 14)  |  |              |
| Professional Education Courses ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |  |              |
| EDUC 131   | INTRODUCTION TO TEACHING                             | 3            |
| EDUC 224   | TECHNOLOGY RESOURCES FOR LEARNING                    | 3            |
| EDUC 300   | OBSERVATION AND PARTICIPATION                        | 1-3          |
| EDUC 301   | ELEMENTARY/MIDDLE LEVEL EDUCATION QUALIFYING SEMINAR | 0            |
| EDUC 325   | LANGUAGE, CULTURE AND LITERACY                       | 3            |
| EDUC 329   | ASSESSMENT FOUNDATIONS                               | 2            |
| PSYC 231   | EDUCATIONAL PSYCHOLOGY                               | 3            |
| SPED 230   | INTRODUCTION TO THE EXCEPTIONAL LEARNER              | 3            |
| SPED 334   | DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS    | 3            |
| <b>Total Credits</b>   |  | <b>21-23</b> |

## Early Childhood Inclusive Endorsement

The following courses are prerequisites to the Professional (Senior/Capstone) Year. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA), and receive no course grade below a "C": Refer to Application to Professional Year Requirements.

| Code           | Title   | Credits |
|----------------|---|---------|
| EDUC 231       | PLAY/ART/MUSIC FOR EARLY CHILDHOOD  | 3       |
| EDUC 232       | SCIENCE, MATH, AND SOCIAL SCIENCE FOR EARLY CHILDHOOD   | 3       |
| EDUC 233       | LITERATURE AND LANGUAGE ARTS PROGRAM FOR EARLY CHILDHOOD  | 3       |
| EDUC 321       | TEACHING ELEMENTARY/MIDDLE SCHOOL MATHEMATICS   | 3       |
| FCS 139        | HUMAN DEVELOPMENT   | 3       |
| FCS 337        | GUIDANCE TECHNIQUES IN HUMAN RELATIONS  | 3       |
| FCS 338        | PRENATAL AND INFANT PRACTICUM   | 3       |
| FCS 239        | PARTNERS IN EDUCATION   | 3       |
| FCS 321A       | CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION   | 2       |
| FCS 423        | PROGRAM DEVELOPMENT AND MANAGEMENT  | 3       |
| FCS 448 & 448L | EARLY CHILDHOOD PRACTICUM and EARLY CHILDHOOD PRACTICUM LABORATORY <sup>1</sup>                 | 4       |
| SPED 216       | PRE-REFERRAL CLINICAL EXPERIENCE  | 1       |
| SPED 317       | MICROTEACHING IN EARLY CHILDHOOD EDUCATION/ELEMENTARY/MIDDLE SCHOOL/SECONDARY SPECIAL EDUCATION | 2       |
| SPED 331       | BEHAVIOR MODIFICATION AND MANAGEMENT  | 3       |
| SPED 433       | PROGRAM DEVELOPMENT, IMPLEMENTATION, AND MANAGEMENT   | 3       |

|                      |   |           |
|----------------------|---|-----------|
| SPED 435             | ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES | 3         |
| SPED 438             | CONSULTATION/COLLABORATION                            | 3         |
| SPED 439             | LANGUAGE AND LEARNING DISORDERS                       | 3         |
| <b>Total Credits</b> |   | <b>51</b> |

<sup>1</sup> May be taken concurrently with the student teaching internship.

## Professional Year (Two Semesters)

The Professional Year (Senior/Capstone year) is comprised of two Teacher Internship Semesters; one academic year. The following courses are taken only as part of the professional year. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year course grade may be below a "C": Refer to Application to Professional Year Requirements.

This program requires a year-long internship experience within a school setting. Course work is delivered concurrently either online or "at-a-distance" via Zoom conferencing technology after the completion of the work day.

### Semester #1 - School-based Internship- Fall Semester

| Code                 | Title   | Credits      |
|----------------------|---|--------------|
| EDUC 423             | TEACHING PRIMARY READING AND WRITING<br>(Taken summer prior to internship year) | 3            |
| EDUC 417E            | TEACHING READING DIAGNOSIS  | 1            |
| EDUC 422             | TEACHING ELEMENTARY/MS SCIENCE/HEALTH   | 3            |
| EDUC 441             | CURRICULUM AND STANDARDS  | 1            |
| EDUC 442             | CLASSROOM MANAGEMENT  | 2            |
| EDUC 443             | HUMAN REL/MULTI-CULTURAL  | 1            |
| SPED 444             | SPECIAL EDUCATION PRACTICES AND STRATEGIES                                      | 1            |
| EDUC 480A            | FIELD EXPERIENCE  | 1-8          |
| <b>Total Credits</b> |   | <b>13-20</b> |

### Semester #2 - School-based Internship- Spring Semester

| Code                 | Title                                     | Credits      |
|----------------------|---|--------------|
| EDUC 424             | TEACHING INTERMEDIATE READING AND WRITING | 3            |
| EDUC 490             | TEACHER INTERNSHIP - STUDENT TEACHING     | 5-9          |
| EDUC 495             | EDUCATION CAPSTONE                        | 3            |
| <b>Total Credits</b> |   | <b>11-15</b> |

EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently and may be taken only upon successful completion of the Professional Semester #2. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year course grade may be below a "C": Refer to Application to Professional Year Requirements.

NOTE: The Praxis II: content test, as required by Nebraska Department of Education must be taken as a requisite for graduation.

## Bachelor of Science – Education – Field Endorsement in Special Education Generalist (Grades K-12)

Students seeking a teaching endorsement in the area of Special Education Generalist (K-12) are required to complete the following courses in addition to their Professional Education courses and their Essential Studies Program requirements. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA)

The Teacher Internship experience for the Special Education Generalist (K-12) requires Teacher Internship experiences in a special education setting at the secondary level, as well as Teacher Internship experience at the elementary level; (EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE.)

### Professional Education

The following courses are prerequisites to the Professional Year (Senior/Capstone Year). A student must maintain the required minimum GPA as required by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) No Professional Education Course grade may be below a "C".

| Code   | Title  | Credits      |
|--|--|--------------|
| Essential Studies (p. 14)  |  |              |
| Professional Education Courses ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |  |              |
| EDUC 131   | INTRODUCTION TO TEACHING                             | 3            |
| EDUC 224   | TECHNOLOGY RESOURCES FOR LEARNING                    | 3            |
| EDUC 300   | OBSERVATION AND PARTICIPATION                        | 1-3          |
| EDUC 301   | ELEMENTARY/MIDDLE LEVEL EDUCATION QUALIFYING SEMINAR | 0            |
| EDUC 325   | LANGUAGE, CULTURE AND LITERACY                       | 3            |
| EDUC 329   | ASSESSMENT FOUNDATIONS                               | 2            |
| EDUC 433   | THE MIDDLE SCHOOL <sup>1</sup>                       | 3            |
| PSYC 231   | EDUCATIONAL PSYCHOLOGY                               | 3            |
| SPED 230   | INTRODUCTION TO THE EXCEPTIONAL LEARNER              | 3            |
| SPED 334   | DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS    | 3            |
| <b>Total Credits</b>   |  | <b>24-26</b> |

<sup>1</sup> May be taken concurrently with Block Professional Semester

### Special Education Generalist Endorsement Courses (K-12)

| Code                   | Title   | Credits |
|------------------------|---|---------|
| CTE 431                | INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CTE | 3       |
| HPER 422               | INTRODUCTION TO ADAPTED PHYSICAL EDUCATION    | 3       |
| PSYC 254<br>or FCS 139 | DEVELOPMENTAL PSYCHOLOGY<br>HUMAN DEVELOPMENT | 3       |

|  |   |   |
|--|---|---|
| READ 431   | IMPROVEMENT OF INSTRUCTION IN READING   | 3 |
| SPED 216   | PRE-REFERRAL CLINICAL EXPERIENCE  | 1 |
| SPED 232   | INTERPERSONAL COMMUNICATION SKILLS FOR SPECIAL EDUCATORS  | 3 |
| SPED 317   | MICROTEACHING IN EARLY CHILDHOOD EDUCATION/ELEMENTARY/MIDDLE SCHOOL/SECONDARY SPECIAL EDUCATION | 2 |
| SPED 331   | BEHAVIOR MODIFICATION AND MANAGEMENT  | 3 |
| SPED 432   | ELEMENTARY/MIDDLE SCHOOL/SECONDARY METHODS AND MATERIALS FOR MILD/MODERATE DISABILITIES         | 3 |
| SPED 433   | PROGRAM DEVELOPMENT, IMPLEMENTATION, AND MANAGEMENT   | 3 |
| SPED 435   | ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES   | 3 |
| SPED 438   | CONSULTATION/COLLABORATION  | 3 |
| SPED 439   | LANGUAGE AND LEARNING DISORDERS   | 3 |
| SPED 455   | CHARACTERISTICS OF LEARNING DISABILITIES  | 3 |
| One Core Content Methods course (Math, Social Science, or Language Arts) |   | 3 |
| EDUC 321   | TEACHING ELEMENTARY/MIDDLE SCHOOL MATHEMATICS   |   |
| EDUC 322   | TEACHING ELEMENTARY/MIDDLE SCHOOL LANGUAGE ARTS   |   |
| EDUC 323   | TEACHING ELEMENTARY/MIDDLE SCHOOL SOCIAL STUDIES  |   |

**Total Credits** 42

### Professional Year (Senior Capstone Year) Pathway Options

The Professional Year (Senior/Capstone year) is comprised of two semesters. Students pursuing only the Special Education Endorsement program may select to complete their Professional Year course work requirements by enrolling in either of the Professional Year options identified below.

The professional year courses can be taken only as part of the Professional Year. A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA). No Professional Year course grade may be below a "C": refer to Application for Professional year requirements.

#### Option 1 - Secondary Block Pathway

##### Semester #1 - Secondary "Block" (Offered Fall semester only)

| Code      | Title                                      | Credits |
|-----------|--|---------|
| EDUC 411S | READING/WRITING IN CONTENT AREA            | 1       |
| EDUC 441  | CURRICULUM AND STANDARDS                   | 1       |
| EDUC 442  | CLASSROOM MANAGEMENT                       | 2       |
| EDUC 443  | HUMAN REL/MULTI-CULTURAL                   | 1       |
| SPED 444  | SPECIAL EDUCATION PRACTICES AND STRATEGIES | 1       |

**Total Credits** 6

## Semester #2 - Student Teacher Internship

| Code                 | Title                                 | Credits     |
|----------------------|---------------------------------------|-------------|
| EDUC 490             | TEACHER INTERNSHIP - STUDENT TEACHING | 5-9         |
| EDUC 495             | EDUCATION CAPSTONE                    | 3           |
| <b>Total Credits</b> |                                       | <b>8-12</b> |

EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently and may be taken only upon successful completion of the Professional Semester #1 (Block). A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year course grade may be below a "C": refer to Application for Professional year requirements.

NOTE: A candidate seeking the Special Education Generalist endorsement must take the Praxis II Content Knowledge Test designated by the Nebraska Department of Education, as a requisite for CSC graduation.

### Option 2 - School-Based Partnership Pathway- a year long internship experience

This program requires a year-long internship experience within a school setting. Course work is delivered concurrently either online or "at-a-distance" via Zoom technology after completion of the school work day.

### Summer Session (or complete these courses prior to the Internship year).

| Code                 | Title                                | Credits  |
|----------------------|--------------------------------------|----------|
| EDUC 423             | TEACHING PRIMARY READING AND WRITING | 3        |
| EDUC 443             | HUMAN REL/MULTI-CULTURAL             | 1        |
| <b>Total Credits</b> |                                      | <b>4</b> |

## Semester #1- School-based Internship- Fall Semester

| Code                 | Title                                      | Credits     |
|----------------------|--|-------------|
| EDUC 441             | CURRICULUM AND STANDARDS                   | 1           |
| EDUC 442             | CLASSROOM MANAGEMENT                       | 1           |
| EDUC 417E            | TEACHING READING DIAGNOSIS                 | 1           |
| EDUC 422             | TEACHING ELEMENTARY/MS SCIENCE/HEALTH      | 3           |
| EDUC 480A            | FIELD EXPERIENCE                           | 1-8         |
| SPED 444             | SPECIAL EDUCATION PRACTICES AND STRATEGIES | 1           |
| <b>Total Credits</b> |  | <b>8-15</b> |

## Semester #2 - School-based Internship- Spring Semester

| Code                 | Title                                     | Credits      |
|----------------------|---|--------------|
| EDUC 424             | TEACHING INTERMEDIATE READING AND WRITING | 3            |
| EDUC 490             | TEACHER INTERNSHIP - STUDENT TEACHING     | 5-9          |
| EDUC 495             | EDUCATION CAPSTONE                        | 3            |
| <b>Total Credits</b> |   | <b>11-15</b> |

EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING and EDUC 495 EDUCATION CAPSTONE must be taken concurrently and may be taken only upon successful completion of the Professional Semester #1. A

student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook (<http://www.csc.edu/documents/education/handbook.pdf>) for current GPA) and no Professional Year course grade may be below a "C": refer to Application for Professional year requirements.

NOTE: A candidate seeking the Special Education Generalist endorsement must take the Praxis II Content Knowledge Test designated by the Nebraska Department of Education, as a requisite for CSC graduation

# The Bachelor of Applied Sciences in Technical Occupations

## Mission

The Bachelor of Applied Science in Technical Occupations is a specialized baccalaureate degree program restricted to individuals who transfer to Chadron State College with a completed Associate of Science (AS), Associate of Applied Science (AAS), or Associate of Occupational Science (AOS) degree from an accredited community or technical college. At Chadron State College, students will work with an academic advisor to develop an official plan of study to complete upper division courses that meet career and educational goals. Contact the Dean of Curriculum for more information.

## Student Learning Outcomes

Students will:

- Describe connections between their coursework and their anticipated career
- Discuss linkages within their coursework
- Write logically and persuasively, using proper grammar and punctuation

## Transfer of Courses

Chadron State College will accept up to 66 course credits from an Associate's degree granted by an accredited technical or community college. Additional units may be accepted from accredited baccalaureate institutions.

| Code  | Title | Credits |
|---|-------|---------|
| Associate Degree Transfer Courses (up to 66 course credits) |       | 66      |
| Minimum Essential Studies Courses (p. 14) <sup>1</sup>      |       | 30      |
| Minimum Upper Division Courses <sup>2</sup>                 |       | 40      |
| Minimum Total Course Credits for Degree Completion          |       | 120     |

<sup>1</sup> Essential Studies requirements may be reduced by comparable transfer courses. Students must fulfill Essential Studies minimum credit requirements in each of the Student Learning Outcomes 2 through 11. It is recommended that students select upper division courses in order to help achieve the necessary 40 upper division course credit requirement.

<sup>2</sup> Upper division requirements may include upper division Essential Studies courses.

# Theatre

## Mission

The mission of the Chadron State College Theatre Studies Program is to prepare students for professional and educational theatre through a comprehensive program of practical application of knowledge bases and skills as well as sound analytical and theoretical development. Through a global perspective on theatre, its practices, and its history, students are provided the diversity necessary to their development as an individual and responsible member of a world society.

The course of study is designed to prepare the student for a career in theatre and to encourage personal and artistic growth in a student-centered environment that places equal value on both classroom study and practical application. To this end, the program is dedicated to providing a classroom experience strong in historical, theoretical, and process-oriented work combined with extensive practical opportunities in production in which students are encouraged and expected to play key roles as actors, designers, technicians, and directors.

## Student Learning Outcomes

Upon Completion of this program, students will:

- Demonstrate a working knowledge of theatre as a collaborative art form.
- Demonstrate a fundamental knowledge of light, set, and sound design as well as voice, acting, and movement in performance.
- Describe and apply the concepts that constitute the making of theatre and performance.
- Distinguish between various genres in playwriting and performance and the intrinsic demands of these various genres.
- Acquire and articulate a working knowledge of the vocabulary for describing and analyzing plays, scenes, designs and performances.
- Demonstrate understanding and application of key concepts through assignments in design, costuming, lighting, directing, and /or performance.
- Demonstrate understanding of theatre as a business with a grasp of unions, agents, and professional protocols.
- Bachelor of Arts – Comprehensive Major in Theatre (p. 167)
- Bachelor of Science – Education – Supplemental Endorsement in Theatre (Grades 7-12) (p. 168)
- Theatre (p. 168)

### TH 115 THEATRE PRACTICUM1 Credit

Students enrolled in TH 115 fulfill the requirements by actively participating in one theatre production per eight week course.

**Notes:** Repeatable up to four (4) hours.

### TH 134 PRINCIPLES OF ACTING3 Credits

Study of the principles and techniques of acting with practice in theatre games, improvisation, monologues and scene work.

**Essential Studies:** SLO #5

### TH 141 COSTUME CONSTRUCTION3 Credits

This is a workshop-centric course where students will learn basic hand sewing, machine sewing, how to cut and alter a commercial pattern, pattern drafting, draping, and garment finishing techniques. Construction techniques will be applied to creating a garment based on the interpretation of a designer's sketch. Students will not only be able to familiarize themselves with modern and traditional tailoring tools and techniques, but also foster creative communication and collaboration in a group workshop environment.

**Essential Studies:** SLO #5

### TH 150 APPLIED VOICE LESSONS FOR MUSICAL THEATRE1 Credit

This course is designed to provide private instruction in applied voice as it relates to the specific demands of the musical theater. Because of the varying ability levels and interests of students taking private voice, each student will follow his or her own educational plan. All students will work on repertoire suited to their ability level and technical skills designed to improve their vocal technique, song interpretation and performance.

**Add Consent:** Instructor Consent

### TH 159 TECHNICAL THEATRE2 Credits

Study of the technical elements of theatrical production. This includes construction techniques, responsibilities of production team members, reading theatrical plans and paperwork. Installation and trouble shooting of lighting instruments, sound equipment, and other theatrical equipment. Students will be required to purchase supplies.

**Essential Studies:** SLO #5

**Co-requisites:** TH 159L

### TH 159L TECHNICAL THEATRE LABORATORY1 Credit

Laboratory experience.

**Essential Studies:** SLO #5

**Co-requisites:** TH 159

### TH 222 STAGE MAKE-UP3 Credits

Theory and techniques of theatrical makeup. In addition to practical application projects, students will develop research and morgues for make-up applications geared toward creating theatrical characters.

**Essential Studies:** SLO #5

### TH 229 PLAYSRIPT ANALYSIS3 Credits

This course is designed to provide you with an array of tools, strategies, and methods for reading and analyzing dramatic literature in order to allow creative expression while also keeping the theatrical goals of the production in mind.

### TH 234 AUDITION TECHNIQUES AND PRACTICES3 Credits

Intensive practicum on the selection, preparation and presentation of audition materials. This will include headshots and resumes, music selection, monologue selection, cold readings and presentation.

**Prerequisites:** TH 134

### TH 237 BEGINNING DIRECTING3 Credits

Theory and practice of play direction, including blocking, analysis, organization, rehearsal, working with actors, and collaboration. Students will direct and present a 10-minute play for the final authentic assessment.

**Prerequisites:** TH 134

**Notes:** Designed for theatre majors, minors, and language arts students.

### TH 241 INTRODUCTION TO COSTUME DESIGN3 Credits

An introduction to the principles, elements and practicalities of costume design and their relation to design in the Theatre. The student will learn how to communicate design choices both visually and verbally through rendering techniques and research.

**Essential Studies:** SLO #5

**TH 242 INTRODUCTION TO LIGHTING DESIGN2 Credits**

A study of the aesthetics and mechanics of lighting design. Examination of the fundamental concepts involved in formulating the lighting design for a theatrical performance. Experiences in instrumentation, control of lighting, use of color, script analysis, development of light plots and related paperwork required for production.

**Essential Studies:** SLO #5

**TH 242L INTRODUCTION TO LIGHTING DESIGN LABORATORY1 Credit**

Laboratory experience.

**Essential Studies:** SLO #5

**Co-requisites:** TH 242

**TH 243 INTRODUCTION TO SET DESIGN3 Credits**

Introduction to the processes used to create a set design for the stage and the process of synthesizing a design into a theatrical production. Emphasis will be on working from a production team's concept to create a design that will communicate the concept to an audience.

**Requirements:** Students will be required to purchase equipment.

**TH 255 ACTING METHODS3 Credits**

Process-oriented study centering around four or more acting methods.

**Prerequisites:** TH 134

**TH 300 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**TH 315 ADVANCED THEATRE PRACTICUM1 Credit**

Advanced participation in theatre department productions. All students enrolled in TH 315 who are interested in fulfilling the requirements for this class by participation in theatre activities must participate actively in one theatre activity per eight week course. These activities include: successfully fulfilling a design or directing assignment, successfully fulfilling a role in a theatre production, successfully fulfilling a production assignment, successfully fulfilling a crew assignment.

**Prerequisites:** Sophomore or above status

**Notes:** Repeatable up to four (4) hours.

**TH 328 STAGE MANAGEMENT3 Credits**

Course will focus on the skills and mechanics necessary to contribute to the production process as a stage manager with a focus on organization, leadership and communication.

**Prerequisites:** Sophomore or above status

**TH 336 THEATRE HISTORY I3 Credits**

Examination of the interaction between theatre and society, centering on the contributions of theatre in mirroring cultures. Students will examine the roots and development of world theatre, from ancient Greece to the Renaissance periods.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**TH 337 THEATRE HISTORY II3 Credits**

Examination of the interaction between theatre and society, centering on the contributions of theatre in mirroring cultures. Students will examine the roots and development of world theatre, from the Restoration to Modern Theatre.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**TH 339 CHILDREN'S THEATRE WORKSHOP4 Credits**

Workshop geared toward the mounting and production of a performance for young audiences. Workshop participants will be responsible for the production and performance of a selected work. Activities include: rehearsal and adaptation, class room activities for youth, touring and setup, marketing and publicity, and theatre organization.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**TH 350 APPLIED VOICE LESSONS FOR MUSICAL THEATRE1 Credit**

This course is designed to provide private instruction in applied voice as it relates to the specific demands of the musical theater. Because of the varying ability levels and interests of students taking private voice, each student will follow his or her own educational plan. All students will work on repertoire suited to their ability level and technical skills designed to improve their vocal technique, song interpretation and performance.

**Add Consent:** Instructor Consent

**TH 355 ACTING FOR MUSICAL THEATRE3 Credits**

Exploring practical acting technique as it applies to musical theatre scene study.

**Prerequisites:** TH 134 and sophomore or above status

**Co-requisites:** MUS 100S

**TH 360 STAGE MOVEMENT3 Credits**

Students acquire the knowledge and skills for movement and apply these skills effectively to stage acting and performing. The course is designed to employ stage movement to express thoughts, feelings, and actions, and to analyze and describe the interdependence of all physical elements used on the stage.

**Prerequisites:** TH 134 and sophomore or above status

**TH 365 VOICE AND DIALECTS3 Credits**

Course will develop actors' speech skills through vocal practice and the study of phonetics for clear, strong articulation; connection to language; and effective, expressive use of the voice. Inclusion of the study of stage dialects.

**Prerequisites:** TH 134 and sophomore or above status

**TH 390 INTERNSHIP IN THEATRE1-12 Credits**

Provides practical experience in theatre at the Post Playhouse or other professional theatre, in either performance or nonperformance areas.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Internship and Career Services Office to secure application materials; application should be made prior to the semester the internship will be started; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the work hours; internship credits may be substituted for other required credit in Theatre at the discretion of the Theatre faculty.

**TH 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**TH 412 SENIOR ASSESSMENT JURY1 Credit**

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.

**Prerequisites:** 2.5 cumulative GPA and junior or above status

**Add Consent:** Department Consent

**TH 434 ACTING PERIODS AND STYLES3 Credits**

Study of period styles of acting from Greek Classics and Elizabethan Tragedy to Restoration Comedy and Farce.

**Prerequisites:** TH 134 and Junior or above status

**Add Consent:** Instructor Consent

**TH 435 SPECIAL TOPICS3 Credits**

Topics offered outside the standard curriculum based on student interest and demand as well as faculty expertise.

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a change of emphasis

**Requirements:** Instructor consent

**TH 437 DIRECTING FOR THE STAGE3 Credits**

Study of the theories and techniques of stage direction. Student will direct a one-act play.

**Prerequisites:** TH 237 and Junior or above status

**Add Consent:** Instructor Consent

**TH 438 SCENE PAINTING3 Credits**

Students will study and learn the techniques and tools essential to successful scene painting for the theatre. Special emphasis will be placed on breaking down specific techniques and finishes into a simple step by step process.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**TH 441 STAGE COMBAT3 Credits**

A complete course covering safe and convincing techniques of hand-to-hand combat as well as rapier and epee techniques. Students will study a complete regimen of exercises and warm ups and a combat system based on the Society of American Fight Directors. Instructor approval of purchase of weapons and equipment required.

**Add Consent:** Instructor Consent

**TH 459A ADVANCED SET DESIGN3 Credits**

Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musicals, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber.

**Prerequisites:** TH 243 and Junior or above status

**TH 459B ADVANCED LIGHTING DESIGN3 Credits**

Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musicals, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber.

**Prerequisites:** TH 242 and Junior or above status

**Notes:** Students can repeat course with a change of emphasis.

**TH 459C ADVANCED COSTUME DESIGN3 Credits**

Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musicals, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber. Students can repeat course with a change in emphasis.

**Prerequisites:** TH 141, 241, and Junior or above status

## Bachelor of Arts – Comprehensive Major in Theatre

A student must complete the core requirements, the Essential Studies program requirements, and one of the following options.

| Code                                       | Title  | Credits      |
|--|--|--------------|
| Essential Studies (p. 14)                  |  |              |
| Core Requirements                          |  |              |
| TH 134                                     | PRINCIPLES OF ACTING   | 3            |
| TH 141                                     | COSTUME CONSTRUCTION   | 3            |
| TH 159 & 159L                              | TECHNICAL THEATRE and TECHNICAL THEATRE LABORATORY                             | 3            |
| TH 229                                     | PLAYSCRIPT ANALYSIS  | 3            |
| TH 234                                     | AUDITION TECHNIQUES AND PRACTICES  | 3            |
| TH 237                                     | BEGINNING DIRECTING  | 3            |
| TH 315                                     | ADVANCED THEATRE PRACTICUM (Repeatable up to Four (4) hrs)                     | 4            |
| TH 336                                     | THEATRE HISTORY I  | 3            |
| TH 337                                     | THEATRE HISTORY II   | 3            |
| TH 412                                     | SENIOR ASSESSMENT JURY   | 1            |
| Choose one of the following Design Courses |  | 3            |
| TH 241                                     | INTRODUCTION TO COSTUME DESIGN   |              |
| TH 242 & 242L                              | INTRODUCTION TO LIGHTING DESIGN and INTRODUCTION TO LIGHTING DESIGN LABORATORY |              |
| TH 243                                     | INTRODUCTION TO SET DESIGN   |              |
| Select one of the following options:       |  | 24           |
|  |  | -            |
|  |  | 25           |
| Musical/Theatre (p. 168)                   |  |              |
| Performance/Directing (p. 167)             |  |              |
| Technical/Design (p. 168)                  |  |              |
| <b>Total Credits</b>                       |  | <b>56-57</b> |

### Musical Theatre Option

| Code                 | Title  | Credits   |
|----------------------|--|-----------|
| Core Requirements    |  | 32        |
| TH 150               | APPLIED VOICE LESSONS FOR MUSICAL THEATRE (Repeatable up to Three (3) times) | 3         |
| MUS 268              | BASIC PIANO SKILLS   | 3         |
| TH 255               | ACTING METHODS   | 3         |
| TH 350               | APPLIED VOICE LESSONS FOR MUSICAL THEATRE (Repeatable up to Three (3) times) | 3         |
| TH 355               | ACTING FOR MUSICAL THEATRE   | 3         |
| TH 365               | VOICE AND DIALECTS   | 3         |
| TH 434               | ACTING PERIODS AND STYLES  | 3         |
| TH 441               | STAGE COMBAT   | 3         |
| <b>Total Credits</b> |  | <b>56</b> |

### Performance/Directing Option

| Code              | Title                       | Credits |
|-------------------|-----------------------------|---------|
| Core Requirements |                             | 32      |
| FIN 239           | PERSONAL FINANCE            | 3       |
| TH 255            | ACTING METHODS              | 3       |
| TH 328            | STAGE MANAGEMENT            | 3       |
| TH 360            | STAGE MOVEMENT              | 3       |
| TH 365            | VOICE AND DIALECTS          | 3       |
| TH 339            | CHILDREN'S THEATRE WORKSHOP | 4       |

|                                     |                           |           |
|-------------------------------------|---------------------------|-----------|
| TH 441                              | STAGE COMBAT              | 3         |
| Select one of the following courses |                           | 3         |
| TH 434                              | ACTING PERIODS AND STYLES |           |
| TH 437                              | DIRECTING FOR THE STAGE   |           |
| <b>Total Credits</b>                |                           | <b>57</b> |

## Technical/Design Option

| Code   | Title                           | Credits   |
|--|---------------------------------|-----------|
| Core Requirements                                  |                                 | 32        |
| ART 131  | DRAWING I                       | 3         |
| Select TWO (2) of the following Design courses     |                                 | 6         |
| TH 222   | STAGE MAKE-UP                   |           |
| TH 241   | INTRODUCTION TO COSTUME DESIGN  |           |
| TH 242/242L  | INTRODUCTION TO LIGHTING DESIGN |           |
| TH 243   | INTRODUCTION TO SET DESIGN      |           |
| TH 328   | STAGE MANAGEMENT                | 3         |
| TH 339   | CHILDREN'S THEATRE WORKSHOP     | 4         |
| TH 438   | SCENE PAINTING                  | 3         |
| Select TWO (2) of the following Adv Design courses |                                 | 6         |
| TH 459A  | ADVANCED SET DESIGN             |           |
| TH 459B  | ADVANCED LIGHTING DESIGN        |           |
| TH 459C  | ADVANCED COSTUME DESIGN         |           |
| <b>Total Credits</b>                               |                                 | <b>57</b> |

TH 390 INTERNSHIP IN THEATRE(1-12 credits): Internship credits may be substituted for above course requirements in Theatre at the discretion of the Theatre faculty.

## Bachelor of Science – Education – Supplemental Endorsement in Theatre (Grades 7-12)

A student must complete the following program in addition to the Essential Studies program, Professional Education requirements, and a subject/field endorsement in another discipline.

| Code  | Title                           | Credits |
|---|---------------------------------|---------|
| Professional Education Requirements ( <a href="http://catalog.csc.edu/secondary-education-requirements/">http://catalog.csc.edu/secondary-education-requirements/</a> ) |                                 |         |
| Core Requirements   |                                 |         |
| TH 134  | PRINCIPLES OF ACTING            | 3       |
| TH 229  | PLAYSCRIPT ANALYSIS             | 3       |
| TH 237  | BEGINNING DIRECTING             | 3       |
| Select one of the following Production Courses  |                                 | 3       |
| TH 141  | COSTUME CONSTRUCTION            |         |
| TH 159/159L   | TECHNICAL THEATRE               |         |
| Select one of the following Design Courses:   |                                 | 3       |
| TH 241  | INTRODUCTION TO COSTUME DESIGN  |         |
| TH 242/242L   | INTRODUCTION TO LIGHTING DESIGN |         |
| TH 243  | INTRODUCTION TO SET DESIGN      |         |
| Select TWO of the following Performance Courses:  |                                 | 6-7     |
| TH 255  | ACTING METHODS                  |         |
| TH 328  | STAGE MANAGEMENT                |         |

|                      |                             |              |
|----------------------|-----------------------------|--------------|
| TH 339               | CHILDREN'S THEATRE WORKSHOP |              |
| TH 355               | ACTING FOR MUSICAL THEATRE  |              |
| TH 360               | STAGE MOVEMENT              |              |
| TH 365               | VOICE AND DIALECTS          |              |
| TH 434               | ACTING PERIODS AND STYLES   |              |
| TH 437               | DIRECTING FOR THE STAGE     |              |
| TH 441               | STAGE COMBAT                |              |
| <b>Total Credits</b> |                             | <b>21-22</b> |

NOTE: In addition to the above, students are required to successfully complete EDUC 480A FIELD EXPERIENCE (120 clock hours - 3 credits) in a theatre-related experience to fulfill State of Nebraska requirements for the supplemental endorsement.

## Theatre Minor

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

| Code                 | Title                             | Credits   |
|----------------------|-----------------------------------|-----------|
| TH 134               | PRINCIPLES OF ACTING              | 3         |
| TH 229               | PLAYSCRIPT ANALYSIS               | 3         |
| TH 255               | ACTING METHODS                    | 3         |
| TH 234               | AUDITION TECHNIQUES AND PRACTICES | 3         |
| TH 237               | BEGINNING DIRECTING               | 3         |
| TH 360               | STAGE MOVEMENT                    | 3         |
| TH 365               | VOICE AND DIALECTS                | 3         |
| <b>Total Credits</b> |                                   | <b>21</b> |

## Course Descriptions

### A

- Accounting (ACTG) (p. 169)
- Agriculture (AGRI) (p. 170)
- American Indian Studies (AIS) (p. 173)
- Anthropology (ANTH) (p. 174)
- Art (ART) (p. 174)

### B

- Biology (BIOL) (p. 176)
- Business Administration (BA) (p. 181)
- Business Information Systems (BIS) (p. 182)

### C

- Capstone (CAP) (p. 183)
- Career & Technical Education (CTE) (p. 185)
- Chemistry (CHEM) (p. 185)
- Communication Arts (CA) (p. 188)
- Counseling (COUN) (p. 190)
- Criminal Justice (CJ) (p. 191)



**E**

- Economics (ECON) (p. 193)
- Education (EDUC) (p. 194)
- English (ENG) (p. 197)

**F**

- Family and Consumer Sciences (FCS) (p. 200)
- Finance (FIN) (p. 204)
- First Year Inquiry (FYI) (p. 204)

**G**

- Geography (GEOG) (p. 208)
- Geoscience (GEOS) (p. 208)

**H**

- Health, PE, and Recreation (HPER) (p. 211)
- History (HIST) (p. 214)
- Humanities (HUM) (p. 216)

**L**

- Legal Studies (LS) (p. 217)
- Library Media Specialist (LMS) (p. 219)

**M**

- Management (MGMT) (p. 219)
- Marketing/Entrepreneurship (MKTG) (p. 220)
- Mathematics (MATH) (p. 220)
- Military Science & Leadership (MSL) (p. 223)
- Museum Studies (MS) (p. 224)
- Music (MUS) (p. 225)

**N**

- Nutrition and Dietetics (NTR) (p. 237)

**P**

- Philosophy (PHIL) (p. 238)
- Physics (PHYS) (p. 238)
- Political Science (PS) (p. 239)
- Professional Development Course (PDCE) (p. 240)
- Psychological Sciences (PSYC) (p. 240)

**R**

- Reading (READ) (p. 242)

**S**

- Social Science (SS) (p. 242)
- Social Work (SW) (p. 242)
- Sociology (SOC) (p. 245)
- Special Education (SPED) (p. 245)

**T**

- Theatre (TH) (p. 247)

**W**

- World Language (WLAN) (p. 249)

**Accounting (ACTG)****ACTG 160 TOPICS IN ACCOUNTING1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in accounting.

**ACTG 241 ACCOUNTING PRINCIPLES I3 Credits**

Introduction to financial accounting principles and the communication of financial information to external users. Examines the conceptual foundations, accounting processes, transaction analysis and preparation of the four basic financial statements: income statement, balance sheet, equity statement & statement of cash flows.

**ACTG 242 ACCOUNTING PRINCIPLES II3 Credits**

Introduction to managerial accounting principles and the communication of financial information to internal users. Emphasis on budgeting, planning, management decision making, cost behavior, cost control and product cost accumulation.

**Prerequisites:** ACTG 241

**ACTG 332 ACCOUNTING INFORMATION SYSTEMS3 Credits**

Focuses on the collecting, processing and communication of financial information in an organization to both internal & external users. An entity's processing cycles are studied.

**Prerequisites:** Sophomore or above status

**ACTG 337 COST MANAGEMENT ACCOUNTING3 Credits**

Cost accounting and managerial accounting concepts and procedures are applied to the management decision making process. Topics included are: activity-based costing, job-order costing and process costing.

**Prerequisites:** Sophomore or above status

**ACTG 341 INTERMEDIATE ACCOUNTING I3 Credits**

Investigates theoretical accounting concepts relating to financial statement preparation, revenue recognition and an indepth study of accounting concepts related to assets.

**Prerequisites:** ACTG 242 and sophomore or above status

**ACTG 342 INTERMEDIATE ACCOUNTING II3 Credits**

Accounting concepts relating to liabilities, stockholder's equity and additional financial reporting issues in the study of corporate accounting.

**Prerequisites:** ACTG 241, ACTG 242 and sophomore or above status

**ACTG 430 PERSONAL INCOME TAX3 Credits**

Concepts and principles of federal income tax applied to individual taxpayers. Application of ethical and public policy considerations to taxation. Analytical framework to access how taxes effect economic decisions.

**Essential Studies:** SLO #9

**Prerequisites:** Junior or above status

**ACTG 431 CORPORATE/FIDUCIARY TAX3 Credits**

Basic principles of federal income taxation for partnerships, corporations, and fiduciaries. Tax preparation software packages may be included.

**Prerequisites:** ACTG 430 and Junior or above status

**ACTG 433 GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING3 Credits**

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.

**Prerequisites:** ACTG 242 and Junior or above status

**ACTG 437 ADVANCED COST MANAGEMENT ACCOUNTING3 Credits**

Advanced cost accounting and managerial accounting concepts and procedures are applied to the management decision making process. Topics included are: capital investment decisions, budgeting, standard costing, and transfer pricing.

**Prerequisites:** Junior or above status

**ACTG 438 AUDITING3 Credits**

Duties and responsibilities of auditors, how to conduct an audit, preparation of audit reports and special auditing problems. Standardized auditing software may be used to conduct a simulated audit for a business entity.

**Prerequisites:** ACTG 241, ACTG 242, ACTG 341 and Junior or above status

**ACTG 443 ADVANCED FINANCIAL ACCOUNTING3 Credits**

Accounting theory and problems dealing with corporate combinations and consolidations and other specialized financial accounting topics.

**Prerequisites:** Junior or above status

**ACTG 460 TOPICS IN ACCOUNTING1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in accounting.

**Prerequisites:** Junior or above status

## Agriculture (AGRI)

**AGRI 110 AGRICULTURE SEMINAR I1 Credit**

This course is designed to provide students with an introduction to the study of agriculture. Students will be exposed to study methods, technical writing, scientific literature, and written and oral communication skills that will be vital to successfully completing their study of agriculture and related fields. This course will clarify and improve student expectations of an undergraduate education.

**AGRI 132 INTRODUCTION TO ANIMAL SCIENCE3 Credits**

Species adaptability, product standards and requirements, areas and types of production, processing and distribution of products, including meat animals, dairy, and horses.

**AGRI 141 INTRO TO PLANT SCIENCE3 Credits**

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: AGRICULTURE1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**AGRI 211 INTRODUCTION TO UNMANNED AERIAL SYSTEMS3 Credits**

Introduction to Unmanned Aircraft Systems (UAS), will be an introduction to the history of the practical application of UAS. The course will also be an introduction to a broad range of unmanned aerial systems used for remote sensing. These systems will include surveillance satellites, fixed wing aircraft and rotary wing aircraft, including helicopter and multi-copters, as well as hybrid systems. In addition, the course will be an introduction to the technology of a specific UAS including the airframe, motors, batteries, the Electronic Speed Controller (ESC), the flight controller, and Radio Control (RC) transmitters. In the process, the student will become familiar with the nomenclature associated with the UAS.

**AGRI 212 THE FAA SMALL, UNMANNED AIRCRAFT (sUAS) LICENSE TEST3 Credits**

The FAA Small, Unmanned Aircraft (sUAS) License Test, is an introduction the Federal Aviation Administration (FAA) restrictions covering operation of sUAS (Code of Federal Regulations (CFR) Part 107), and Nebraska laws governing sUAS operation. In addition, the course is preparation for the student to take and pass the FAA sUAS License Test

**Prerequisites:** AGRI 211

**AGRI 221 FARM AND RANCH MANAGEMENT3 Credits**

The skills, techniques, innovations, and current procedures for management of farms and ranches.

**AGRI 234 PRINCIPLES OF ANIMAL NUTRITION3 Credits**

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.

**AGRI 235 INTRODUCTION TO WILDLIFE MANAGEMENT3 Credits**

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 may be required.

**AGRI 242 PRINCIPLES OF RANGELAND AND FORAGE MANAGEMENT3 Credits**

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.

**AGRI 244 TALK DIRTY TO ME3 Credits**

Without soil: ecosystems fail to function, food supplies are stressed, production of clean air and water slow. Yet soil is often misunderstood and abused by the people who depend on it. Students will learn about the importance of soil to society as a whole and what they can do to preserve and improve soil resources. Students will develop, plan, and implement a final project in which they apply their newly acquired knowledge about soils to a local or regional scale civic engagement project.

**Essential Studies:** SLO #9

**AGRI 245 PRINCIPLES OF SOIL SCIENCE3 Credits**

Origin, development, classification and management of soils that affect plant growth.

**Co-requisites:** AGRI 245L

**AGRI 245L PRIN OF SOIL SCIENCE LABORATORY1 Credit**

Lab experience.

**Co-requisites:** AGRI 245

**AGRI 270 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**AGRI 311 AGRICULTURE AND RANGE MANAGEMENT UAS APPLICATIONS3 Credits**

Agriculture and Range Management UAS Applications, is the identification of the fifteen common missions associated with agriculture and range management. Covered in this course will be the purpose for performance of each discrete mission, the mission desired outcome and the types of sensors required for each missions.

**Prerequisites:** AGRI 211

**AGRI 324 WILDLIFE AND LIVESTOCK DISEASE MANAGEMENT3 Credits**

Outlines parasitic, infections, and environmental diseases influencing wild and domestic animal populations. Identifies the cause of disease, routes of transmission, and affects on the individual and population. Explores management alternatives to control disease and reduce impacts on wildlife populations.

**Prerequisites:** AGRI 132 or AGRI 235 and Sophomore or above status

**AGRI 325 RANGELAND WILDLIFE MANAGEMENT3 Credits**

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.

**Prerequisites:** Sophomore or above status

**AGRI 326 SUAS TRAINING LABORATORY3 Credits**

SUAS Training Laboratory, is a hands-on training laboratory in which the student will learn how to safely operate a quad-copter drone that the student has purchased.

**Prerequisites:** AGRI 211 and AGRI 212

**AGRI 329 AGRICULTURAL MARKETING3 Credits**

Market structure, conduct and performance factors within the domestic and global marketing areas with specific emphasis on production components, agricultural resources, outputs and marketing through supply chains and channels. Specific attention involves governments' roles in marketing, market basket, price spreads, price analysis, futures and options markets, and contract marketing.

**Prerequisites:** ECON 231, ECON 232, MATH 138 or MATH 142 and Sophomore or above status

**AGRI 330 AGRICULTURAL ECONOMICS AND AGRIBUSINESS3 Credits**

Basic economic principles and theories focusing on product markets, resource markets, production costs and market structures, conduct and performance of the agricultural sector from retail level, consumers' demands, and resource sectors, production, domestically and globally within agriculture. Governments' roles, functions and policies which impact domestic and global markets for agriculture.

**Cross-Listed:** AGRI330/ECON334

**AGRI 333 RUMINANT PRODUCTION3 Credits**

Principles and practices of commercial and purebred domestic and wildlife production including breeds, breeding, reproduction, diseases, marketing, management and general husbandry.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 333L

**AGRI 333L RUMINANT PRODUCTION LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 333

**AGRI 334 VEGETATION MANIPULATION PRACTICES3 Credits**

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.

**Prerequisites:** AGRI 242 and Sophomore or above status

**AGRI 335 HORSE PRODUCTION3 Credits**

Principles and practices related to modern horse industry including conformation, performance, horse handling, diseases, housing, foot and leg care, equipment, and history.

**Prerequisites:** Sophomore or above status

**AGRI 336 NON-RUMINANT PRODUCTION3 Credits**

Principles and practices of non-ruminant production including breeds, breeding and reproduction, diseases, marketing, management and general husbandry.

**Prerequisites:** Sophomore or above status

**AGRI 337 APPLIED ANIMAL NUTRITION3 Credits**

Characteristics of basic feedstuffs and recommended feeding practices utilizing ration development, feeding trials and feed analysis.

**Prerequisites:** Sophomore or above status

**AGRI 338 LIVESTOCK EVALUATION3 Credits**

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.

**Prerequisites:** AGRI 132 and Junior or above status

**AGRI 339 RANGE PLANT IDENTIFICATION1 Credit**

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 the species is also presented.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 339L

**AGRI 339L RANGE PLANT IDENTIFICATION LABORATORY2 Credits**

Lab experience.

**Prerequisites:** Sophomore or above or status

**Co-requisites:** AGRI 339

**AGRI 346 EQUINE COMMUNICATIONS I2 Credits**

This course is designed as an introduction to natural horsemanship. Through the principle of making the right thing easy and the wrong thing difficult, students will learn the fundamental nature of round penning young horses. Students will build a strong foundation with aspects of controlling the forehead, haunches, shoulders and ribs.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 346L

**AGRI 346L EQUINE COMMUNICATIONS I LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 346

**AGRI 347 EQUINE COMMUNICATIONS II2 Credits**

This course is a continuation of Equine Communications I. Through the principle of making the right thing easy and the wrong thing difficult, students will learn the fundamental nature of centered riding, soft supple maneuvers, and riding with confidence. Students will learn to train horses through soft hands and communication through their seat position. Maneuvers being taught are: side pass, turn-around, correct stop, lead changes, roll-backs, circling, hip, shoulder, rib, and forehead control.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 347L

**AGRI 347L EQUINE COMMUNICATIONS II LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Sophomore or above status

**Co-requisites:** AGRI 347

**AGRI 348 RANGELAND HYDROLOGY3 Credits**

Studies the hydrological cycle of rangeland watersheds. Primary focus will be on the role of vegetation in hydrologic processes and how utilization of rangeland watershed and manipulation of vegetation can alter or modify the processes.

**Essential Studies:** SLO #6

**Prerequisites:** Sophomore or above status

**AGRI 350 RANGELAND UNGULATE PRODUCTION3 Credits**

Production of ungulate on rangelands. Includes plant and animal responses to grazing, grazing animal behavior, grazing management, supplementing rangeland forage, and economic considerations.

**Prerequisites:** AGRI 242 and Sophomore or above status

**AGRI 357 GRAZING ECOLOGY3 Credits**

Ecology and management of rangeland systems with emphasis on the relationships between wild and domestic herbivores and their environment. Includes considerations of soils, air, hydrology, microbes, plants, and animals across multiple spatial and temporal scales.

**Prerequisites:** Junior or above status

**AGRI 390 INTERNSHIP IN AGRICULTURE/RANGE MANAGEMENT1-12 Credits**

Provides practical experience in resource management relative to agriculture, rangeland management, natural resources, and wildlife management.

**Add Consent:** Department Consent

**Notes:** 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 399 RANGELAND ECOSYSTEM FIELD STUDY3 Credits**

This course offers students opportunities to develop observation and interpretation skills while being introduced to rangeland ecosystems not normally accessible during the normal 16 week terms. Students will research, plan, and participate in a guided field study of rangeland ecosystems of interest to students. The course will be divided into three phases; research, planning, and field tour with the field tour scheduled during the summer session.

**Prerequisites:** Sophomore or above status

**AGRI 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

For students seeking an individual problem in agriculture.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Requirements:** Approval of a supervising faculty member, academic Dean, and Academic Vice President is required before registering.

**AGRI 410 AGRICULTURE SEMINAR III1 Credit**

Designed to enhance oral and written communication skills as encountered in agriculture.

**Prerequisites:** AGRI 110 and Junior or above status

**AGRI 411 CONSERVATION BIOLOGY3 Credits**

This course will provide a broad overview of the field of conservation biology including fundamental biological and ecological principles, patterns and threats to biodiversity, causes of population declines and extinction, techniques used in conservation biology, and conservation economics and policy.

**Prerequisites:** Junior or above status

**Dual-listed:** AGRI 511

**AGRI 420 RANGELAND SHORT COURSE2 Credits**

Intensive summer workshop covering all contemporary areas of rangeland management.

**Prerequisites:** Junior or above status

**Requirements:** Additional fees will be assessed.

**AGRI 423 AGRICULTURAL POLICY3 Credits**

An examination of USDA agricultural, fiber, conservational, and rural economic policies studies from domestic and international perspectives. Examination of public policy in the economic framework used to assess and improve competitive structure, operation, and performance of U.S. and international food and agriculture. Farm, international trade, rural economic development, resource/environmental, technology, food marketing and consumer policies are analyzed.

**Cross-Listed:** AGRI423/ECON423

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**Notes:** No prerequisites although major economics courses will be beneficial.

**AGRI 426 WILDLIFE RESEARCH AND MANAGEMENT TECHNIQUES3 Credits**

Field and laboratory techniques for studying, evaluating, and managing wildlife and their habitats are described and demonstrated. Field trips required.

**Prerequisites:** AGRI 235 and Junior or above status

**AGRI 427 ANIMAL ANATOMY & PHYSIOLOGY3 Credits**

Principles of physiology as related to gross anatomy, disease, and management practices of mammals.

**Prerequisites:** AGRI 132, BIOL 131 or BIOL 225, and Junior or above status

**Co-requisites:** AGRI 427L

**Notes:** Recommended for pre-veterinary students.

**AGRI 427L ANIMAL ANATOMY & PHYSIOLOGY LABORATORY1 Credit**

Lab experience.

**Prerequisites:** Junior or above status

**Co-requisites:** AGRI 427L

**AGRI 428 HABITAT INVENTORY AND ANALYSIS1 Credit**

Rangeland and monitoring inventory techniques and vegetation sampling methods related to rangeland vegetation condition and degree of use.

**Prerequisites:** AGRI 242, AGRI 339, and Junior or above status

**Co-requisites:** AGRI 428L

**AGRI 428L HABITAT INVENTORY AND ANALYSIS LABORATORY2 Credits**

Field lab experience.

**Prerequisites:** Junior or above status

**Co-requisites:** AGRI 428

**AGRI 429 EQUINE INDUSTRY APPLIED FIELD STUDIES3 Credits**

Provides an overview of the marketing and economic trends in the equine industry, as well as global equestrian hot-spots. A required field experience will provide firsthand experience with equine industry components including training, breeding, ranching, marketing, business, and showing venues throughout the United States, and expose students to opportunities available in the equine industry.

**Prerequisites:** Junior or above status

**AGRI 430 LAND RESOURCE MANAGEMENT PLANNING3 Credits**

Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands.

**Prerequisites:** AGRI 141, AGRI 242, AGRI 245, AGRI 334, AGRI 339, and Junior or above status

**AGRI 435 WILDLIFE MANAGEMENT PRACTICUM3 Credits**

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.

**Prerequisites:** AGRI 235, AGRI 426, and Junior or above status

**AGRI 436 RANGELAND AND FIRE ECOLOGY3 Credits**

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.

**Prerequisites:** AGRI 242 and Junior or above status

**AGRI 440 RANGE LIVESTOCK REPRODUCTION3 Credits**

Reproductive processes of range livestock including anatomy, physiology, endocrinology of reproduction, reproductive techniques including artificial insemination, embryo transfer, in vitro fertilization and cloning and various management techniques to enhance reproductive efficiency on the ranch.

**Prerequisites:** AGRI 132 and Junior or above status

**AGRI 444 GRASS SYSTEMATICS3 Credits**

The main focus of the course is on identification of members of the Poaceae, or grass, family. Students will work through grasses provided to identify them down to species. Upon completion of the class the students will be able to recognize common tribal and genera characteristics, and be able to key out unknown grasses.

**Prerequisites:** Junior or above status

**AGRI 445 MAMMALOLOGY2 Credits**

Systematics, life history, physiology, and behavior of mammals.

**Cross-Listed:** AGRI445/BIO1435

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, 244L or 9 credits of AGRI courses

**Co-requisites:** BIOL 435L

**Requirements:** Field trips required.

**AGRI 445L MAMMALOLOGY LABORATORY1 Credit**

Laboratory experience.

**Cross-Listed:** AGRI445L/BIO1435L

**Prerequisites:** Junior or above status

**Co-requisites:** AGRI 445

**AGRI 447 ANIMAL BREEDING AND GENETICS3 Credits**

Reproduction processes of domestic animals, including anatomy, physiology and endocrinology of reproduction, breeding systems, and artificial insemination principles.

**Prerequisites:** AGRI 132 and Junior or above status

**AGRI 451 HUMAN DIMENSIONS OF WILDLIFE MANAGEMENT3 Credits**

Overviews the historic and current public viewpoints of wildlife and wildlife/human conflicts. Examines the policies which affect wildlife research and management and the impacts public opinion has on policy formation. Identifies the various stakeholders involved in natural resource management and policy and incorporates the idea that wildlife management is people management.

**Prerequisites:** AGRI 235 and Junior or above status

**AGRI 460 TOPICS IN AGRICULTURE1-3 Credits**

Meets the needs of changing conditions in Agriculture.

**Prerequisites:** Junior or above status

**Notes:** 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 PROBLEMS1-4 Credits**

Designed for the highly motivated advanced student.

**Prerequisites:** Junior or above status

**Notes:** This course may be repeated for up to a total of 6 hours of credit.

**Requirements:** The student must submit a plan of study to the instructor and have the instructor's approval the semester prior to enrollment.

**AGRI 467 AGRICULTURAL BUSINESS PLANNING AND MANAGEMENT3 Credits**

Analysis of the economic decisions made by farm/ranch owners, from sales to marketing to financial management to market analysis, feasibility studies and interfacing with governmental and other organizations. At the end of the course, you will have the core elements of a business plan to guide your farming/ranching operations.

## American Indian Studies (AIS)

**AIS 131 LAKOTA LANGUAGE I3 Credits**

Introduction to the Lakota language, with focus on preserving the ancient language of the Lakota, both written and spoken.

**AIS 132 LAKOTA LANGUAGE II3 Credits**

Continuation of Lakota language study with emphasis on speaking and reading skills.

**Prerequisites:** AIS 131

**AIS 334 LAKOTA SOCIETY AND CULTURE3 Credits**

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.

**Prerequisites:** Sophomore or above status

**AIS 430 TOPICS:AMERICAN INDIAN STUDIES3 Credits**

Special topics in American Indian studies.

**Prerequisites:** Junior or above status

**AIS 436 SEM: AMERICAN INDIAN STUDIES3 Credits**

Designed to meet the specific needs of a group of students. Permission of the Instructor is required.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

## Anthropology (ANTH)

### ANTH 231 INTRO TO CULTURAL ANTHROPOLOGY3 Credits

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.

**Essential Studies:** SLO #10

### ANTH 337 INDIGENOUS PEOPLE AND CULTURES OF NORTH AMERICA3 Credits

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.

**Prerequisites:** Sophomore or above status

### ANTH 351 ANCIENT WEST3 Credits

This course investigates the history of the West from the Neolithic through the Middle Ages with attention to Greco-Roman societies, Iron-Age Celtic and Germanic societies, and the European world(s) that emerged as the earlier cultures collided. In addition to historical works, the course analyzes the subject through cognate fields with special emphasis on anthropology.

**Cross-Listed:** HIST351/ANTH351

**Prerequisites:** Sophomore or above status

### ANTH 371 ANCIENT EAST ASIA3 Credits

This course investigates the peoples and cultures of East Asia from the emergence of Bronze-Age kingdoms through the failure of Confucian political and social systems in the mid-nineteenth century. In addition to anthropological works, this course analyzes the subject area through cognate disciplines, with special emphasis on history.

**Cross-Listed:** HIST371/ANTH371

**Prerequisites:** Sophomore or above status

### ANTH 400 INDEPENDENT STUDY1-6 Credits

Study or Research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean and Academic Vice President is required.

### ANTH 430 TOPICS IN ANTHROPOLOGY1-3 Credits

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.

**Prerequisites:** Junior or above status

### ANTH 435 N PLAINS INDIAN CULTURES3 Credits

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.

**Prerequisites:** Junior or above status

## Art (ART)

### ART 120 DRAWING FOR THE NON-MAJOR3 Credits

This course is designed to introduce the non-art major to 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.

**Essential Studies:** SLO #5

### ART 131 DRAWING I3 Credits

Basic drawing techniques using a variety of media and emphasizing the development of perceptual skills and communication through the language of art. May include field trips.

### ART 133 2-D DESIGN3 Credits

Study of the basic elements and principles of two dimensional design and their application in the visual language of creative art.

### ART 136 DRAWING II3 Credits

Continuation of drawing skills introduced in Drawing I. Students will work from both still life and live models.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

### ART 200 CERAMICS FOR THE NON ART MAJOR3 Credits

Introduces non-art majors to basic techniques of pinch, coil, slab and wheel thrown ceramics including clay mixing, glazing and kiln loading and the opportunity to explore the concepts of art-making.

**Essential Studies:** SLO #5

### ART 201 SCULPTURE FOR THE NON ART MAJOR3 Credits

An opportunity for the non-art major to explore concepts of three-dimensional art-making.

**Essential Studies:** SLO #5

### ART 223 BLACK AND WHITE PHOTOGRAPHY3 Credits

Survey of the tools and techniques of traditional darkroom black and white photography. Topics covered include camera operation, lighting, film and print development, and professional presentation.

**Essential Studies:** SLO #5

### ART 225 PRINTMAKING I3 Credits

Introduction to the fundamental processes and the creative potential of printmaking, including relief, intaglio, and serigraphy.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

**Requirements:** May require field trips

### ART 227 SCULPTURE I3 Credits

Experimentation with various materials in the creation of three-dimensional forms. Various media and processes will be explored.

**Prerequisites:** ART 131 and ART 230

### ART 228 CERAMICS I3 Credits

Basic techniques of pinch, coil, slab and wheel thrown ceramics, including clay mixing, glazing and kiln loading.

**Prerequisites:** ART 131 and ART 230

### ART 229 INTRO TO GRAPHIC DESIGN3 Credits

Introduction to the fundamentals of design, typography, layout, exploration of design history, the profession of graphic design and commercial art.

**Essential Studies:** SLO #5

### ART 230 3-D DESIGN3 Credits

Fundamentals of three-dimensional design are covered through the elements and principles of form.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

**ART 232 PAINTING I3 Credits**

Basic painting techniques emphasizing the use of value and color, the development of perceptual skills, familiarization with materials, and communication through the language of art.

**Prerequisites:** ART 131 and ART 133 or permission of instructor

**Requirements:** May require field trips.

**ART 237 FIBER ARTS I3 Credits**

Introduction to the fundamental and creative potential of craft processes; may include fabric design, papermaking, jewelry and weaving.

**Essential Studies:** SLO #5

**ART 239 ELEMENTS OF ART3 Credits**

Introduction to art history, artists, techniques and materials employed in the production of art. Illustrated lectures and demonstrations.

**Essential Studies:** SLO #7

**ART 250 ART FOR THE ELEMENTARY/MIDDLE SCHOOL TEACHER3 Credits**

Study of Discipline Based Art Education in the elementary/middle school classroom. Includes basic design, media experience, reference materials, art criticism, aesthetics, and history.

**ART 298 ART HISTORY I SURVEY3 Credits**

Historical survey of Western Art from Prehistory through Byzantine art with an emphasis on the social and political influences of the visual arts. Field trips may be required.

**Prerequisites:** ART 239

**ART 299 ART HISTORY II SURVEY3 Credits**

Historical survey of Western Art from Medieval art through Impressionism with emphasis on the social and political influences of the visual arts. Field trips may be required.

**Prerequisites:** ART 239

**ART 310 ART SEMINAR0-3 Credits**

Designed to meet the needs of a group of students wanting to study or research an aspect of art not offered as a regular class.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** May be repeated with a different topic/medium up to a total of 9 credit hours.

**ART 320 DRAWING III3 Credits**

Development of perceptual skills in relation to the figure. Emphasis is placed on the use of the figure as a means of self-expression.

**Prerequisites:** ART 131, ART 136 and Sophomore or above status

**ART 321A GLASS I: GLASS BLOWING3 Credits**

Study of the history of and the techniques used in forming hot glass. Student will gather, blow, shape and finish molten glass.

**Prerequisites:** Sophomore or above status

**ART 321B GLASS I: STAINED GLASS3 Credits**

Designed to introduce the student to various cold working processes in glass. Course will cover stained glass, etched, lampworked and fused processes.

**Prerequisites:** Sophomore or above status

**ART 322 GRAPHIC DESIGN-SOFTWARE3 Credits**

Intermediate-level graphic design work using design principles with an introduction to Adobe CC design software (InDesign, Illustrator, Photoshop) through assignments and projects.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**ART 323 CREATIVE PHOTOGRAPHY3 Credits**

Introduction to the procedures and creative potential of the photographic process. Topics will include alternative, traditional, and digital photographic techniques.

**Prerequisites:** Sophomore status or above and camera required

**ART 325 PRINTMAKING I3 Credits**

Advanced exploration of processes and creative potential of printmaking, including block printing, intaglio and serigraphic techniques.

**Prerequisites:** ART 225 and Sophomore or above status

**ART 329 GRAPHIC DESIGN-DIGITAL MEDIA3 Credits**

Intermediate-level graphic design work focusing on various digital media with introductions to digital imagery, web design, animation, or video utilizing concept, storytelling, information organization, and design principles.

**Prerequisites:** Sophomore or above status

**ART 331 MIXED MEDIA3 Credits**

Introduction to the process of combining two-dimensional materials including watercolor, gouache, pastels, pencils, and acrylic mediums. The use of color, development of perceptual skills and communication through the language of art will be emphasized.

**ART 332 PAINTING II3 Credits**

Advanced oil or acrylic painting techniques emphasizing the development of a personal direction and portfolio.

**Prerequisites:** ART 232 and Sophomore or above status

**ART 337 SCULPTURE II3 Credits**

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

**Prerequisites:** ART 227 and Sophomore or above status

**ART 340 TWENTIETH CENTURY ART3 Credits**

An examination of the important movements and individual artists that have shaped art history from Impressionism through the Postmodern 90's. Field trips may be required.

**Prerequisites:** ART 239

**ART 343 DIGITAL PHOTOGRAPHY3 Credits**

Course is designed to explore digital photography and digital image manipulation using Adobe Photoshop and related software.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**Requirements:** Manually adjustable digital camera required.

**ART 390 INTERNSHIP IN ART1-12 Credits**

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.

**Add Consent:** Department Consent

**ART 400 INDEPENDENT STUDY OR RESEARCH3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Students must submit a written proposal for study and be approved by the instructor prior to registration.

**ART 411 GRAPHIC DESIGN-SOLUTIONS3 Credits**

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 CC software (In Design, Photoshop, and Illustrator).

**Prerequisites:** ART 322 and Junior or above status

**ART 412 SENIOR THESIS3 Credits**

Preparation of the student's senior art exhibit and portfolio is required of studio option, graphic design option, art education majors. Students will be evaluated on poster design, publicity, pictorial display, gallery arrangement, creativity and craftsmanship in a broad range of media.

**Prerequisites:** Art major with one of the following option areas studio, graphic design, or art education and Senior status

**Add Consent:** Department Consent

**Requirements:** Permission of instructor.

**ART 421A GLASS II: GLASS BLOWING3 Credits**

Exploration in the use of molten glass as an art medium, with attention to techniques, construction and maintenance of studio equipment.

**Prerequisites:** ART 321A and Junior or above status

**ART 421B GLASS II: STAINED GLASS3 Credits**

Exploration into the advanced construction of strained glass panels. Course will cover both lead and copper foil processes. Lampworking with beads and marbles will be introduced.

**Prerequisites:** ART 321B and Junior or above status

**ART 422 GRAPHIC DESIGN PRACTICUM3 Credits**

Advanced level work in graphic design Emphasis on multi-piece design, concept development, professional presentation and portfolio preparation.

**Prerequisites:** ART 322, ART 329, and Junior or above status

**ART 428 CERAMICS II3 Credits**

Concentration on the wheel thrown form, both functional and non-functional, with continued research into glaze formulation and firing of kilns.

**Prerequisites:** ART 228 and Junior or above status

**ART 430 ADVANCED ART STUDIO1-3 Credits**

Open to advanced art students who have completed both introductory and intermediary courses in a specific topic/medium and want to further develop mastery in the topic/medium. Critiques of work and participation in an art show are required.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** May be repeated with a different topic/medium up to a total of nine credit hours.

**Requirements:** Students must submit a written outline detailing a plan of research to the art department; departmental approval must be received before registering.

**ART 437 FIBER ARTS II3 Credits**

Advanced exploration into the creative potential of craft processes; may include fabric design, papermaking, jewelry and weaving.

**Prerequisites:** ART 237 and Junior or above status

**ART 441 TOPICS IN ART HISTORY3 Credits**

The study and discussion of art history topics and problems of special interest not offered within the regular survey courses. Topics will be chosen by the instructor.

**Notes:** May be repeated with a different topic.

## Biology (BIOL)

**BIOL 101 GENERAL BIOLOGY I3 Credits**

A survey of cellular principles: including biological chemistry, cell structure and function, cellular metabolism, genetics, cell signaling, cell types, mitosis, meiosis, photosynthesis and basic histology.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 101L

**BIOL 101L GENERAL BIOLOGY I LABORATORY1 Credit**

Laboratory experience to explore cellular principles: including biological chemistry, cell structure and function, cellular metabolism, genetics, cell signaling, cell types, mitosis, meiosis, photosynthesis and basic histology.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 101

**BIOL 102 GENERAL BIOLOGY II3 Credits**

Exploration of the diversity and origin of life, classification of living organisms and their interrelatedness, and ecology.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 102L

**BIOL 102L GENERAL BIOLOGY II LABORATORY1 Credit**

Laboratory experience in major animal, plant, fungal, protozoan, and algal groups along with their anatomy, and phylogeny.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 102

**BIOL 121 HUMAN BIOLOGY2 Credits**

An introductory study of the structure and function of the human body.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 121L

**Notes:** Not for Biology or Health Science majors and minors.

**BIOL 121L HUMAN BIOLOGY LABORATORY1 Credit**

Laboratory experience in the structure and function of the human body.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 121

**BIOL 132 MEDICAL TERMINOLOGY2 Credits**

The study of prefixes, suffixes and roots of words used in medical and biological fields, emphasizing their origin in the Greek and Latin languages.

**Notes:** Designed for biology majors and pre-professional students in the health care fields; this course does not satisfy any essential studies requirements.

**BIOL 136 BIOLOGICAL SCIENCE2 Credits**

A survey of biological knowledge and principles designed to meet the needs of the non-science major.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 136L

**Notes:** No credit towards biology major or minor.

**BIOL 136L BIOLOGICAL SCIENCE LABORATORY1 Credit**

Laboratory experience in biological study, including technology to explore and to gather scientific data.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 136



**BIOL 138 GENERAL BIOLOGY: BOTANY3 Credits**

A survey of flowering plants, focusing on anatomy, foundational cellular and organismal physiology, and classification. Plant importance to humans and role in climate moderation and responses to climate change will be introduced.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 138L

**BIOL 138L GENERAL BIOLOGY: BOTANY LABORATORY1 Credit**

Laboratory experience in flowering plants.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 138

**BIOL 139 GENERAL BIOLOGY: ZOOLOGY3 Credits**

General scientific principles, diversity and origin of life, and fundamental cell biology, genetics, classification, ecology, anatomy, behavior of animals, phylogenetic relationships of major animal groups, and an introduction to the systematics, ecology and importance of fungi.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 139L

**BIOL 139L GENERAL BIOLOGY: ZOOLOGY LABORATORY1 Credit**

Laboratory experience in major animal group anatomy and phylogeny.

**Essential Studies:** SLO #6

**Co-requisites:** BIOL 139

**BIOL 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**BIOL 230 HISTOLOGY2 Credits**

In Human Histology Students will explore general tissue characteristics, while examining their composition, structures and the structure-function relationship in different tissues and organs. This course is designed for students who are planning on continuing on to professional school.

**BIOL 237 ENVIRONMENTAL SCIENCE3 Credits**

Human interactions and impacts on the physical, chemical and biological components of the global ecosystem.

**Essential Studies:** SLO #6

**BIOL 240 ANATOMY AND PHYSIOLOGY I3 Credits**

The anatomy and physiology of the human body will be studied through the ten body systems. The content of this course includes the microscopic organization of the tissues of the body and the integument, skeletal, muscular, nervous systems.

**Prerequisites:** BIOL 101, 101L and CHEM 131 and 131L or CHEM 140 and 140L

**Co-requisites:** BIOL 240L

**Notes:** This is the first semester of a two semester sequence with BIOL 242 Anatomy and Physiology II; this course is designed for students preparing for 2 year health professional schools.

**BIOL 240L ANATOMY AND PHYSIOLOGY I LABORATORY1 Credit**

Laboratory experience in Anatomy and Physiology I. The content of this course includes the microscopic organization of tissues of the body, anatomy and physiology of the integument, skeletal, muscular and nervous systems. For the anatomy portion, donor bodies are used.

**Co-requisites:** BIOL 240

**BIOL 241 MICROBIOLOGY3 Credits**

Study of bacteria, molds, yeasts, algae, protozoa, viruses, and rickettsias.

**Prerequisites:** BIOL 101, 101L

**Co-requisites:** BIOL 241L

**BIOL 241L MICROBIOLOGY LABORATORY1 Credit**

Laboratory experience in techniques for microbe identification.

**Co-requisites:** BIOL 241

**BIOL 242 ANATOMY AND PHYSIOLOGY II3 Credits**

The anatomy and physiology of the human body will be studied through the ten body systems. The content of this course includes the microscopic organization of the tissues of the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems.

**Prerequisites:** BIOL 101, 101L and CHEM 131 and 131L or CHEM 140 and 140L and BIOL 240 and 240L

**Co-requisites:** BIOL 242L

**Notes:** This is the second semester of a two semester sequence with BIOL 240 Anatomy and Physiology I; this course is designed for students preparing for the 2 year health professional schools.

**BIOL 242L ANATOMY AND PHYSIOLOGY II LABORATORY1 Credit**

Laboratory experience Anatomy and Physiology II. The content of this course includes anatomy and physiology of the endocrine, cardiovascular, lymphatic, digestive, urinary, males and female reproductive systems. For the anatomy portion, donor bodies are used.

**Co-requisites:** BIOL 242

**BIOL 243 BOTANY3 Credits**

A survey of the plant kingdom, with a focus on flowering plants. Phylogeny, anatomy, cellular and organismal physiology, and plant importance to humans and role in climate moderation and responses to climate change will be studied.

**Co-requisites:** BIOL 243L

**BIOL 243L BOTANY LABORATORY1 Credit**

Laboratory inquiry experience in a survey of the plant kingdom, with a focus on flowering plants. Phylogeny, anatomy, cellular and organismal physiology, and plant importance to humans and role in climate moderation and responses to climate change will be studied.

**Co-requisites:** BIOL 243

**BIOL 244 ZOOLOGY3 Credits**

The physiology, behavior, ecology, and phylogenetic treatment of vertebrate and invertebrate animals, living and extinct.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 244L

**BIOL 244L ZOOLOGY LABORATORY1 Credit**

Laboratory experience in the phylogenetic relationships of animals.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 244

**BIOL 270 TOPICS IN BIOLOGY1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphasis for up to six hours credit.

**BIOL 312 BIOLOGY FOR EDUCATORS3 Credits**

This course will examine basic principles in cell biology, genetics, anatomy and physiology, microbiology, and ecology with the aim of learning how to teach these subjects in a high school classroom. Lesson planning, activity development, scientific literacy, critical thinking skills, active learning, inquiry-based learning and brain-based learning will all be incorporated in the class.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 312L

**BIOL 312L BIOLOGY FOR EDUCATORS LABORATORY1 Credit**

This laboratory course will examine basic principles in cell biology, genetics, anatomy and physiology, microbiology, and ecology in a lab setting.

**Prerequisites:** BIOL 101, 101L, 102, 102L

**Co-requisites:** BIOL 312

**BIOL 315 REGIONAL ANATOMY1 Credit**

Regional anatomy of the human body will be studied. The purpose of this course is to be an accompaniment to the BIOL 340: Anatomy Cadaver lab experience.

**Prerequisites:** BIOL 240, 242 and instructor approval

**Co-requisites:** BIOL 340L

**Add Consent:** Instructor Consent

**Requirements:** Students must have previously taken a 200 level Anatomy (anatomy/physiology) course to a 300 level anatomy course. Instructor approval required.

**BIOL 316 PHYSIOLOGY OF THE HUMAN SYSTEMS1 Credit**

Physiology of the systems of the human body will be studied. The purpose of this course is to be an accompaniment to the BIOL 342: Physiology Lab.

**Prerequisites:** BIOL 240, 242 and instructor approval

**Co-requisites:** BIOL 342L

**Add Consent:** Instructor Consent

**Requirements:** Students must have previously taken a 200 level physiology (anatomy/physiology) course or a 300 level physiology course. Instructor approval required.

**BIOL 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**BIOL 323 BASIC HEMATOLOGY1 Credit**

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.

**Prerequisites:** CHEM 231, 231L, BIOL 101, 101L, 102, 102L, or BIOL 240, 240L and 242, 242L or BIOL 340, 340L and 342, 342L and Sophomore or above status

**Co-requisites:** BIOL 323L

**BIOL 323L BASIC HEMATOLOGY LABORATORY1 Credit**

Laboratory experience in basic hematology and urinalysis.

**Co-requisites:** BIOL 323

**Requirements:** All students must have received two of the three hepatitis B vaccinations prior to beginning this course.

**BIOL 327 ENVIRONMENTAL REMEDIATION2 Credits**

This course covers the physical, chemical, and biological methods of environmental remediation, including biochemical mechanisms behind biodegradation, biotransformation, uptake, and detoxification of metals and organic pollutants.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 241, 241L, and CHEM 231, 231L or CHEM 333, 333L and sophomore or above status

**Co-requisites:** BIOL 327L

**BIOL 327L ENVIRONMENTAL REMEDIATION LABORATORY1 Credit**

Laboratory experience in experimental design and applied usage of chemical and biological techniques for environmental remediation.

**Co-requisites:** BIOL 327

**BIOL 332 GENETICS3 Credits**

Transmission of traits from generation to generation, including Mendelian, molecular, and population genetics.

**Prerequisites:** BIOL 101, 101L, 102, 102L and CHEM 131 and 131L and CHEM 131 and 131 and 132L or CHEM 140 and 140L, completion of Essential Studies SLO#4 and Sophomore or above status

**BIOL 332L GENETICS LABORATORY1 Credit**

Laboratory experience in inheritance, molecular genetic analysis, and genomic studies.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 332

**BIOL 333 HUMAN DISEASES IN THE RURAL ENVIRONMENT3 Credits**

An introduction to the causes and spread of human diseases within populations and factors associated with distribution, including cellular/physiological, biological, behavior, sociocultural, evolutionary, and environmental factors. Using epidemiological and biological terminology and methods, critical thinking and basic analysis, students will be able to describe how diseases distribute through a populations and communities, as well as interpret and evaluate epidemiological and physiological studies. The U.S. and global view of epidemiology will also be discussed with an emphasis on the rural/urban divide in disease spread and health care access.

**Prerequisites:** BIOL 240, BIOL 340 or instructor permission and sophomore or above status

**BIOL 336 GENERAL ECOLOGY2 Credits**

The structure and function of nature with emphasis on biomes, ecosystems, communities, and populations.

**Prerequisites:** 6 hours from BIOL 101, BIOL 101L, BIOL 102, BIOL 102L, AGRI 141, AGRI 242 or AGRI 242L and Sophomore or above status

**Co-requisites:** BIOL 336L

**BIOL 336L GENERAL ECOLOGY LABORATORY1 Credit**

Laboratory experience in describing and quantifying organismal populations.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 336

**BIOL 337 ENVIRONMENTAL MANAGEMENT3 Credits**

Ecosystem management, environmental planning, history of environmental protection, the roles of federal and state agencies, environmental law, environmental ethics, and professional skills relevant to those interested in land-management related careers in the public and private sector.

**Prerequisites:** 9 hours from AGRI, BIOL, CHEM and/or GEOS; sophomore or junior status

**BIOL 339 COMPARATIVE ANATOMY AND PHYSIOLOGY3 Credits**

A systemic approach to vertebrate anatomy and physiology examining how structures and organ systems have evolved through the different vertebrate groups from fish to mammals. The structure and function of vertebrate organ systems will be discussed in the context of developmental and evolutionary history.

**Prerequisites:** BIOL 101, 101L, 102, 102L and Sophomore or above status

**Co-requisites:** BIOL 339L

**BIOL 339L COMPARATIVE ANATOMY AND PHYSIOLOGY LABORATORY1 Credit**

Investigation of vertebrate anatomy and physiology through dissection of a variety of vertebrates and microscopic examination of selected histological preparations of tissues.

**Prerequisites:** BIOL 101, 101L, 102, 102L and Sophomore or above status

**Co-requisites:** BIOL 339

**BIOL 340 HUMAN ANATOMY3 Credits**

An advanced study of the microscopic and gross structure of the human body. This course will prepare the student for entry into BIOL 342. Donor bodies are used.

**Prerequisites:** BIOL 101, 101L, 102, 102L, and CHEM 131, 131L, and CHEM 132, 132L or BIOL 240, 240L and BIOL 242, 242L and Sophomore or above status

**Co-requisites:** BIOL 340L

**BIOL 340L GROSS HUMAN ANATOMY LABORATORY1 Credit**

Gross human anatomy laboratory uses donor bodies.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 340

**BIOL 342 HUMAN PHYSIOLOGY3 Credits**

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.

**Prerequisites:** BIOL 340, BIOL 340L and CHEM 140 and CHEM 140L or CHEM 132 and CHEM 132L, and Sophomore or above status

**Co-requisites:** BIOL 342L

**Notes:** This is the second semester of a two semester sequence with BIOL 340; this course is designed for students preparing for 3-4 year professional schools.

**BIOL 342L HUMAN PHYSIOLOGY LABORATORY1 Credit**

Laboratory experience in physiology of human systems, using technology and donor bodies.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 342

**BIOL 343 PARASITOLOGY2 Credits**

Taxonomy, morphology, physiology, life history, and control of the parasitic protozoans, helminthes, and arthropods.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, and 244L and Sophomore or above status

**BIOL 343L PARASITOLOGY LABORATORY1 Credit**

Laboratory experience in identifying and understanding parasites of living systems.

**Prerequisites:** Sophomore or above status

**Co-requisites:** BIOL 343

**BIOL 347 CRYPTOGAMIC BOTANY2 Credits**

Phylogeny and ecology of bacteria, algae and fungi.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L or 9 hours from AGRI courses and sophomore or above status

**BIOL 347L CRYPTOGAMIC BOTANY LABORATORY1 Credit**

Laboratory survey of bacteria, algae and fungi. Field trips required.

**BIOL 350 FIELD BIOLOGY1-6 Credits**

Two to five week field course offered between semesters, spring break, or during the summer.

**Prerequisites:** Sophomore or above status

**Notes:** 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.

**Requirements:** Fees in addition to tuition will be charged; early registration required.

**BIOL 390 INTERNSHIP IN BIOLOGY1-12 Credits**

Provides practical experience as a biologist in government, business, or industry. Open to upper division students majoring in the area of biology.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President is required.

**BIOL 401 ORNITHOLOGY2 Credits**

Biology of birds, including their classification, anatomy, physiology, life history, behavior, ecology, and identification with emphasis on local species.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, 244L or 9 hours of AGRI courses and Junior or above status

**Co-requisites:** BIOL 401L

**BIOL 401L ORNITHOLOGY LABORATORY1 Credit**

Laboratory and field experience in anatomy, behavior, and identification of birds.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 401

**BIOL 405 HUMAN ANATOMY MENTOR2 Credits**

Students will assist BIOL 340L, Human Anatomy Lab instructor in the preparation and delivery of laboratory instruction using anatomical specimens and conduct additional optional "open-lab" study sessions.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 422

**Add Consent:** Instructor Consent

**Requirements:** Written permission of instructor is required.

**BIOL 406 HUMAN PHYSIOLOGY MENTOR2 Credits**

Students will assist BIOL 342L, Human Physiology Lab instructor in the preparation and delivery of laboratory instruction using live physiologic experimentation and computer simulations and conduct additional occasional "open-lab" study sessions.

**Prerequisites:** BIOL 422 and Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Written permission of instructor is required.

**BIOL 409 SENIOR BIOLOGY RESEARCH1-3 Credits**

Original investigation in biology under a faculty member's supervision and guidance. A public presentation of results will occur.

**Add Consent:** Instructor Consent

**Notes:** May be repeated up to four times, for no more than 6 credits total.

**BIOL 422 ADVANCED HUMAN ANATOMY1 Credit**

The advanced study of human anatomy through human gross dissection, histological analysis and clinical anatomy of each system of the body.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 340, 340L, 342, 342L, BIOL 340, BIOL 340L with C or better, CHEM 131, 131L, 132, 132L, and Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Written permission by the course instructor required.

**BIOL 424 ADVANCED PHYSIOLOGY1 Credit**

The advanced study of human physiology through a group research project monitoring physiological processes in human subjects for the duration of the semester, class discussions of primary and secondary literature relevant to the group project, and writing assignments designed to help students with their end of semester project reports. Appropriate channels for the ethical use of human subjects will be followed within the guidelines for Chadron State College.

**Prerequisites:** BIOL 340, BIOL 340L, BIOL 342, BIOL 342L and junior or above status

**Add Consent:** Instructor Consent

**BIOL 425 PLANT MORPHOLOGY2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L or 9 hours of AGRI courses and Junior or above status

**BIOL 425L PLANT MORPHOLOGY LABORATORY1 Credit**

Laboratory experience.

**BIOL 427 BIOLOGY OF POPULATIONS3 Credits**

Population ecology and the genetic processes of adaptation and evolution. Lectures and class discussion of current literature, plus application of concepts in a literature review paper is required.

**Prerequisites:** BIOL 332, BIOL 332L, BIOL 336, BIOL 336L and Junior or above status

**BIOL 428 BIOINFORMATICS3 Credits**

Introduction to the use of bioinformatics data and methods to study DNA and protein sequences and evaluate differences in gene expression between cells. Methods taught in this class are useful for studies in biotechnology, genetics, nutrition, molecular biology, microbiology, epidemiology, pharmacology, and ecology. Students will learn to use available information and databases to ask complex biological questions using a project-based approach.

**Prerequisites:** Upper division science student or instructor permission

**BIOL 430 IMMUNOLOGY3 Credits**

Function of the human immune system including the structure and function of bone marrow, blood cells, and lymphatic tissue.

**Prerequisites:** BIOL 101, 101L, 241, 241L, and BIOL 242, 242L or BIOL 340, 340L and BIOL 342, 341L, and Junior or above status

**BIOL 431 ENTOMOLOGY2 Credits**

Taxonomy, morphology, physiology, life history, behavior, ecology and economic importance of insects. Lecture, laboratory and field trips.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L, 244, 244L and Junior or above status

**Co-requisites:** BIOL 431L

**BIOL 431L ENTOMOLOGY LABORATORY1 Credit**

Laboratory and field experience in insect morphology and taxonomy.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 431

**BIOL 432 DEVELOPMENTAL BIOLOGY2 Credits**

Molecular and cellular aspects of development, including the regulation and expression of the genome during development, fertilization, cleavage, gastrulation, morphogenesis, and organogenesis.

**Prerequisites:** BIOL 110, 101L, 102, 102L, 340, 340L, 342, 342L, 340, 340L with C or better, CHEM 131, 131L, 132, 132L, and Junior or above status

**Co-requisites:** BIOL 432L

**BIOL 432L DEVELOPMENTAL BIOL LABORATORY1 Credit**

Laboratory experience in vertebrate embryology and morphological development.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 432

**BIOL 433 HUMAN BIOMECHANICS2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 342, 342L, PHYS 151, PHYS 151L, CHEM 131, CHEM 131L, 132, 132L and Junior or above status

**BIOL 433L HUMAN BIOMECHANICS LAB1 Credit**

Laboratory experience in human movement. Technology and donor bodies will be used.

**BIOL 435 MAMMALOGY2 Credits**

Systematics, life history, physiology, and behavior of mammals.

**Cross-Listed:** AGRI445/BIOL435

**Prerequisites:** BIOL 101, 101L, 102, 102L, 244, 244L or 9 credits of AGRI courses

**Co-requisites:** BIOL 435L

**Requirements:** Field trips required.

**BIOL 435L MAMMALOGY LABORATORY1 Credit**

Laboratory experience in mammal structure and function.

**Cross-Listed:** AGRI445L/BIOL435L

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 435

**BIOL 438 TAXONOMY OF PLANTS2 Credits**

Applied taxonomy of vascular plants, with emphasis on families of flowering plants in the northern Great Plains.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L and Junior or above status

**Co-requisites:** BIOL 438L

**Requirements:** Field trips required.

**BIOL 438L TAXONOMY OF PLANTS LABORATORY1 Credit**

Laboratory experience in collecting, identifying and preparing vascular plant specimens, with emphasis on family recognition. A student plant collection project is required.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 438

**BIOL 439 PLANT PHYSIOLOGY2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L or AGRI 141 and CHEM 131 and 131L or CHEM 140 and 140L, and Junior or above status

**Co-requisites:** BIOL 439L

**BIOL 439L PLANT PHYSIOLOGY LABORATORY1 Credit**

Laboratory experience in plant structure and function, with an emphasis on applied plant biochemistry.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 439

**BIOL 440 TOPICS IN BIOLOGY1-3 Credits**

Designed to meet the needs of students desiring knowledge in areas of biology not covered in another biology course. Study topics and credit will be arranged to meet the needs of the students. Laboratory work and field work.

**Notes:** Can be repeated with a change in emphasis for a total of six hours of credit.

**Requirements:** Extra fees may be required.

**BIOL 444 FRESHWATER ECOLOGY2 Credits**

Biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Prerequisites:** BIOL 243, 243L, 244, 244L, 336, 336L and junior or above status

**Co-requisites:** BIOL 444L

**Requirements:** Field trips required.

**BIOL 444L FRESHWATER ECOLOGY LABORATORY1 Credit**

Laboratory and field experience in biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Prerequisites:** BIOL 336, 336L and junior or above status

**Co-requisites:** BIOL 444

**BIOL 446 REGIONAL FLORA3 Credits**

The plants and plant communities of the region. Field trips required.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L and Junior or above status

**BIOL 447 PLANT PHYLOGENY1 Credit**

The phylogenetic treatment of land plants, living and extinct.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 243, 243L and Junior or above status

**BIOL 447L PLANT PHYLOGENY LABORATORY2 Credits**

Survey of land plant groups, with emphasis on the taxonomy and ecology of bryophytes.

**BIOL 448 ETHNOBOTANY3 Credits**

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.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**BIOL 449 MOLECULAR BIOLOGY OF THE CELL3 Credits**

In-depth analysis of eukaryotic cellular biology, including cell-cell communication, signal transduction, apoptosis, control of cell cycle, and other advanced topics (cancer, gene therapy, prokaryotic cells, viruses).

**Prerequisites:** BIOL 101, 101L, 102, 102L, 332, 332L, 241, 241L and 242, 242L or BIOL 340, 340L and 342, 342L and CHEM 131, 131L, 132, 132L or CHEM 140, 140L, and CHEM 231, 231L or CHEM 333, 333L, and Junior or above status

**BIOL 456 PATHOGENIC MICROBIOLOGY2 Credits**

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.

**Prerequisites:** BIOL 101, 101L, 102, 102L, 241, 241L and 242, 242L or 340, 340L, 342, 342L and Junior or above status

**BIOL 456L PATHOGENIC MICROBIOLOGY LABORATORY1 Credit**

Laboratory experience in isolation and clinical identification of pathogenic microbes.

**Prerequisites:** Junior or above status

**Co-requisites:** BIOL 456

**BIOL 458 BIOLOGICAL EVOLUTION3 Credits**

Study of the fundamental theory of evolution, including phylogeny and earth history, macro-evolutionary patterns, micro-evolutionary processes, and synthesis.

**Prerequisites:** BIOL 243, 243L, 244, 244L and BIOL 332, 332L or GEOS 234, 234L and GEOS 337, 337L.

**BIOL 479 INTERNSHIP IN HEALTH SCIENCES: RESPIRATORY THERAPY5 Credits**

This class is a combination of clinical and coursework building towards a career in respiratory therapy. The clinical portion of this course will include clinical rotations with a wide range of patient populations. Students are evaluated on affective skills, as well as clinical competencies. Course work will include principles of respiratory therapy throughout the internship year. The student will demonstrate competencies in a respiratory lab setting. Students must make arrangements to conduct clinicals in an approved hospital setting.

**Prerequisites:** Junior or above status

**BIOL 499 BIOLOGY CAPSTONE3 Credits**

Students will integrate information from their undergraduate biology program to select a topic, which must be approved by the biology faculty. Students will examine the scientific research supporting the thesis, the broad shift in ideas and knowledge relating to the topic and its interaction with society, and political and ethical considerations relating to the subject. Students will find appropriate primary research articles to support the thesis and will complete original research paper or literature review (senior thesis) on the topic, a public presentation, and a poster.

**Essential Studies:** SLO #12

**Prerequisites:** BIOL 101, 101L, 102, 102L, and CHEM 131, 131L, 132, 132L or CHEM 140, 140L, BIOL 332, 332L and Junior or above status

**Notes:** Course is intended for biology majors.

## Business Administration (BA)

**BA 160 TOPICS IN BUSINESS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in business.

**BA 241 QUANTITATIVE METHODS3 Credits**

Business and economic concepts, techniques, models, analysis, and applications with emphasis on quantitative measurements for resource utilization, production, processing, marketing and management.

**Prerequisites:** MATH 138, MATH 142 or MATH 151

**BA 331 BUSINESS COMMUNICATIONS3 Credits**

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.

**Essential Studies:** SLO #3

**Prerequisites:** Completion of Essential Studies Outcome ES2 (Technical Writing recommended) and Sophomore or above status

**BA 336 BUSINESS/ECONOMIC STATISTICS3 Credits**

Statistical analysis of business and economic data used in business and how this analysis aids in making sound business decisions.

**Prerequisites:** Sophomore or above status

**BA 337 BUSINESS LAW3 Credits**

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.

**Prerequisites:** Sophomore or above status

**BA 390 INTERNSHIP IN BUSINESS1-12 Credits**

Provides practical work experience in business.

**Add Consent:** Department Consent

**Notes:** 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.

**BA 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Research in an area of special interest or need.

**Add Consent:** Instructor Consent

**Notes:** The topic and the amount of work required are determined by the number of credit hours.

**Requirements:** Permission of Instructor, Department Chair and Dean are required prior to registration.

**BA 431 PROFESSIONAL ETHICS3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**BA 432 LEGAL ASPECTS OF BUSINESS OWNERSHIP3 Credits**

Business law covering negotiable commercial paper, debtor-creditor relations and risk management, agency and employment, business organizations and real property and estates.

**BA 460 TOPICS IN BUSINESS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in business.

## Business Information Systems (BIS)

**BIS 160 TOPICS IN BUSINESS INFORMATION SYSTEMS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

**BIS 200 INTRODUCTION TO COMPUTER APPLICATIONS3 Credits**

Development of proper techniques in word processing, organizing and maintaining data in a spreadsheet, creating and managing a database, and producing professional presentations using current software applications. A practical hands-on application of various information processing tools is utilized to develop organizational decision making skills.

**BIS 230 WEB PAGE DEVELOPMENT3 Credits**

Provides a foundation for establishing and maintaining a website; specifically, creating, designing and publishing content on the Web. Current Web programming languages will be covered. Topics include Web development, debugging, version control, and introductory website administration. In addition, dynamically generated websites and database-driven websites are discussed.

**BIS 231 PRINCIPLES OF INFORMATION SYSTEMS3 Credits**

Information systems concepts and principles applied to business uses of technology. Conceptual areas include: fundamentals of information systems, data resource management, telecommunications and networks, E-Business, E-Commerce, decision support systems, information technology management, developing business and information technology solutions, security, and ethical challenges.

**BIS 235 BUSINESS PROGRAMMING3 Credits**

Provides the concepts and skills necessary to design and develop web-based database applications, specifically building a working database application and a client application to serve the information needs of an enterprise.

**Prerequisites:** BIS 230

**BIS 331 DATABASE MANAGEMENT3 Credits**

Introduction to the design and use of databases in meeting business information needs. Topics include database planning, conceptual design, the relational data model, structured query language (SQL), and related concepts of enterprise-wide data management. The concepts are studied in part with projects involving the use of a current database management system.

**BIS 332 DECISION SUPPORT FOR MANAGERS3 Credits**

This course is designed to educate managers in the process of becoming more effective and efficient problem solvers through integrating the use of spreadsheet modeling to support business decisions.

**BIS 337 E-COMMERCE3 Credits**

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.

**Prerequisites:** Sophomore or above status

**BIS 430 PROJECT MANAGEMENT3 Credits**

Introduces the basic principles of modern project management, the project planning processes, and knowledge areas. Attention will be given to how projects contribute to the strategic goals of the organization and the process of selecting projects that best support the strategy of a particular organization.

**BIS 431 SYSTEM ANALYSIS AND DESIGN3 Credits**

An understanding of the phases of the Systems Development Life Cycle (SDLC), including techniques to investigate system problems, determine requirements, identify possible solutions, perform feasibility studies and cost analysis, and oversee the development of a new system or the reengineering of an existing system. An understanding of the human and technical factors in the analysis and design of information systems will also be addressed.

**BIS 460 TOPICS IN BIS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

## Capstone (CAP)

### **CAP 469A HOW TO SAVE THE RAIN FOREST6 Credits**

This course will examine the scientific, social, economic, political and ethnic dimensions of efforts to create the conditions for environmental sustainability in the world's rainforests and other areas impacted by development. In doing so, it will examine the interaction between human and ecological diversity. Students will learn through collaborative, interdisciplinary research projects. They will engage in problem-based learning and experiential learning. The experiential component will involve a field trip to Costa Rica so that students can experience first-hand the delicate environmental systems that are the rainforests of Costa Rica. After returning from Costa Rica, students will conduct a major research project on some impacted ecosystem - perhaps the rain forest or somewhere closer to home.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

### **CAP 469A1 HOW TO SAVE THE RAINFOREST3 Credits**

This course will examine the scientific, social, economic, political and ethnic dimensions of efforts to create the conditions for environmental sustainability in the world's rainforests and other areas impacted by development. In doing so, it will examine the interaction between human and ecological diversity. Students will learn through collaborative, interdisciplinary research projects. They will engage in problem-based learning and experiential learning. The experiential component will involve a field trip to Costa Rica so that students can experience first-hand the delicate environmental systems that are the rainforests of Costa Rica. After returning from Costa Rica, students will conduct a major research project on some impacted ecosystem - perhaps the rain forest or somewhere closer to home.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**Co-requisites:** CAP 469A2

### **CAP 469A2 HOW TO SAVE THE RAINFOREST3 Credits**

This course will examine the scientific, social, economic, political and ethnic dimensions of efforts to create the conditions for environmental sustainability in the world's rainforests and other areas impacted by development. In doing so, it will examine the interaction between human and ecological diversity. Students will learn through collaborative, interdisciplinary research projects. They will engage in problem-based learning and experiential learning. The experiential component will involve a field trip to Costa Rica so that students can experience first-hand the delicate environmental systems that are the rainforests of Costa Rica. After returning from Costa Rica, students will conduct a major research project on some impacted ecosystem - perhaps the rain forest or somewhere closer to home.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**Co-requisites:** CAP 469A1

### **CAP 469B CUBA LIBRE3-6 Credits**

This course analyzes Modern Cuba. Using an interdisciplinary approach, the course will investigate the historical path to the revolution of 1959, the literary and artistic aspects of Cuban society pre and post revolution, the position of Cuba in the larger world (with special emphasis on the US-Cuban relationship) and asks problem-based queries of internal Cuban society as well as interrogations of its regional and international role. This course highlights the experiential study abroad component and requires an interdisciplinary, collaborative engagement related to Modern Cuba resulting from CSC classroom participation, experiences during the trip and post-trip analysis and reflection.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

### **CAP 469C GREAT PLAINS3 Credits**

Using the Great Plains as a backdrop and conceptual framework, students will produce a creative or scholarly work that addresses a significant issue relevant to the region and which integrates their essential studies skills, knowledge and abilities within that exploration.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

### **CAP 469C1 GREAT PLAINS3 Credits**

Using the Great Plains as a backdrop and conceptual framework, students will produce a creative or scholarly work that addresses a significant issue relevant to the region and which integrates their essential studies skills, knowledge and abilities within that exploration.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**Co-requisites:** CAP 469C2

**Requirements:** Paired with CAP 469C2 when Great Plains is offered as a team-taught, six-hour course; three hours applied toward Essential Studies SLO #12 Capstone Integration and three hours applied towards SLO #8 Social Sciences; students in catalogs previous to 2015 will have all six credits applied towards SLO #12.

### **CAP 469C2 GREAT PLAINS3 Credits**

Using the Great Plains as a backdrop and conceptual framework, students will produce a creative or scholarly work that addresses a significant issue relevant to the region and which integrates their essential studies skills, knowledge and abilities within that exploration.

**Essential Studies:** SLO #8

**Prerequisites:** Junior or above status

**Co-requisites:** CAP 469C1

**Notes:** Paired with CAP 469C1 when Great Plains is offered as a team-taught, six-hour course; three hours applied toward Essential Studies SLO #12 Capstone Integration and three hours applied towards SLO #8 Social Sciences; students in catalogs previous to 2015 will have all six credits applied towards SLO #12.

### **CAP 469D WEIGHT OF THE NATION3-6 Credits**

This course investigates the nature, content, and effects of healthy lifestyle living. The course takes a practical approach focusing on information gained through research, speakers, and lab studies which will supplement the course-work and required readings. A variety of learning methods will be employed in this course to examine how healthy living lifestyles can effectively be applied for improved healthy living and sustainability.

**Essential Studies:** SLO #12

**CAP 469E OUTSIDE:YOUR SELF IN THE WORLD<sup>3</sup> Credits**

Students will produce a creative or scholarly work that explores their experiences of getting "outside" themselves in myriad ways: being outdoors (studies of nature, environment and landscape), being abroad (studies from a context in which they are unfamiliar-study abroad, study away, field experience), being of service (experiential learning, volunteering to help a community or cause), being expressive (writing, performing or studying literature, art, culture) or being itself (philosophy, spirituality, self-exploration). These outside experiences may precede the capstone course, be from concurrent coursework elsewhere, or emerge from projects planned within the course.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**CAP 469F TALKING HEADS<sup>6</sup> Credits**

This course analyzes the scientific, historical, political and cultural context of current events in four areas: medicine, environment, government politics and a fourth category decided by the class. Using an interdisciplinary approach, students will investigate current events selected by the class within a topic area and investigate the science, historical, political and cultural context of the issues. They will then express the information uncovered by their inquiry in three forms, a YouTube video, an opinion paper, and a debate.

**Essential Studies:** SLO #12

**CAP 469G SOCIAL MEDIA AND DEMOCRATIZATION<sup>6</sup> Credits**

Students will study the use of the "new media" in social movements with a focus on democratization in non-Western societies. The study of social movements will engage students in one of the most important means by which citizens attempt to effect social and political change. Media topics include the forms of various types of digital media, including blogs, websites, and social media. To apply the information and ideas learned in the course, students will engage in an interdisciplinary and collaborative project that demonstrates substantial learning and utilizes critical inquiry skills acquired throughout their Essential Studies program.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**CAP 469G1 SOCIAL MEDIA AND DEMOCRATIZATION<sup>3</sup> Credits**

Students will study the use of the "new media" in social movements with a focus on democratization in non-Western societies. The study of social movements will engage students in one of the most important means by which citizens attempt to effect social and political change. Media topics include the forms of various types of digital media, including blogs, websites, and social media. To apply the information and ideas learned in the course, students will engage in an interdisciplinary and collaborative project that demonstrates substantial learning and utilizes critical inquiry skills acquired throughout their Essential Studies program.

**Essential Studies:** SLO #9

**Prerequisites:** Junior or above status

**Co-requisites:** CAP 469G2

**CAP 469G2 SOCIAL MEDIA AND DEMOCRATIZATION<sup>3</sup> Credits**

Students will study the use of the "new media" in social movements with a focus on democratization in non-Western societies. The study of social movements will engage students in one of the most important means by which citizens attempt to effect social and political change. Media topics include the forms of various types of digital media, including blogs, websites, and social media. To apply the information and ideas learned in the course, students will engage in an interdisciplinary and collaborative project that demonstrates substantial learning and utilizes critical inquiry skills acquired throughout their Essential Studies program.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**Co-requisites:** CAP 469G1

**CAP 469H POETICS AND PHILOSOPHY OF WALKING<sup>3</sup> Credits**

In this course we will inquire into the cultural history and philosophy of walking, exploring its different modes and practices as they develop in specific times and places. We will also study different representations of walking in texts (such as in the philosophical meditations of Rousseau's *Reveries* or the poems of Wordsworth), and images (in film and art), as well as walking as pilgrimage. Additionally, we will do some walking ourselves.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**CAP 469I COMPOSING A PUBLIC LIFE<sup>3</sup> Credits**

Students draw on knowledge and skills from their own major discipline to develop a project that reflects an emerging public identity and that takes into account issues of life, death, and work.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**CAP 469J TOPICS IN CAPSTONE INTEGRATION<sup>3-6</sup> Credits**

Each section of this course will focus upon a specific issue or theme that students will explore and then respond to, producing creative or scholarly projects that integrate their essential studies skills, knowledge and abilities within that exploration.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**Notes:** Each capstone topics course must be approved by the Essential Studies Committee.

**CAP 469K THE CREATIVE MIND<sup>3-6</sup> Credits**

The Creative Mind is a course in the philosophy, psychology, neuroscience, practices, and processes of creativity. While many of the course materials will be drawn from the fine and applied arts, we will also consider the role of innovation in business and experimentation in science. As a Capstone in the Essential Studies Program, this course will require students to draw upon many of the skills and much of the knowledge they have developed in the sequence of courses they have taken throughout their Essential Studies program. Students will have many low-stakes opportunities to experiment, explore, play and practice creativity. During the second half of the semester, they will design, develop and produce a substantial original creative work.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status



**CAP 469L PROJECT SLIM:SERVICE LEARNING MATH3 Credits**

This course investigates various aspects of service learning in the field of mathematics. The course takes an application and hands-on approach focusing on projects to be demonstrated to local and area K-12 students. A variety of learning methods will be employed in this course to demonstrate knowledge of various mathematical skills in an applied setting.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**CAP 469M SPORTS REPORTERS3 Credits**

This course looks into the world of sports journalism including radio, television, print, and new media. This course also discusses and debates current and ongoing issues and controversies in sports and society.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

## Career & Technical Education (CTE)

**CTE 390 INTERNSHIP IN CTE1-12 Credits**

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.

**Add Consent:** Department Consent

**CTE 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

The problem selected and the amount of work in its solution determine the number of hours credit.

**Add Consent:** Department Consent

**Notes:** May be repeated for up to six hours credit.

**CTE 431 INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CTE3 Credits**

Designed to help high school career and technical education teachers, special education teachers, and others determine the work based and school based needs of learners identified as special populations. The course includes transition to work curriculum and program plans.

**Prerequisites:** Junior or above status

**CTE 434 PRINCIPLES AND PHILOSOPHY OF CAREER AND TECHNICAL EDUCATION3 Credits**

The principles, philosophy, and history of career and technical education are presented in this course.

**Prerequisites:** Junior or above status

**CTE 435 ADULT EDUCATION3 Credits**

Study of the adult learner, adult learning theory, and the adult programming.

**Prerequisites:** Junior or above status

**CTE 437 OCCUPATIONAL ANALYSIS3 Credits**

Study of the standard occupational analysis systems and practice in applying these systems to occupations and activities for determining content in curriculum development.

**Prerequisites:** Junior or above status

**CTE 438 COORDINATION TECHNIQUES/WORK BASED LEARNING3 Credits**

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.

**Prerequisites:** Junior or above status

**CTE 440 TOPICS IN CAREER AND TECHNOLOGY EDUCATION1-6 Credits**

Contemporary topics within career and technical education.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**CTE 441 IMPROVEMENT OF INSTRUCTION3 Credits**

Study of curriculum development, instructional models, integration of academic and occupational programs, and utilization of technologies in instruction.

**Prerequisites:** Junior or above status

**CTE 452 PROGRAM DEVELOPMENT, IMPLEMENTATION AND ASSESSMENT3 Credits**

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.

**Prerequisites:** Junior or above status

## Chemistry (CHEM)

**CHEM 110 CAREERS IN SCIENCE1 Credit**

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 INTRODUCTORY CHEMISTRY3 Credits**

Fundamental principles of chemistry focusing on the topics of matter and measurement, structure of atoms and use of the periodic table, chemical bonding and molecules, reaction stoichiometry, and energy.

**Requirements:** Required of students who have not taken high school chemistry who plan to enroll in CHEM 131 or CHEM 140.

**CHEM 131 COLLEGE CHEMISTRY I3 Credits**

First of a two semester sequence of courses in General Chemistry for science majors. Detailed study of matter and measurement, structure of atoms molecules and ions, stoichiometric relationships, electronic structure of atoms, chemical periodicity, chemical bonding, thermochemistry, and properties of gases, liquids and solids.

**Prerequisites:** High school chemistry or CHEM 121 and high school algebra or MATH 142

**Co-requisites:** CHEM 131L

**Notes:** Enrollment in this course assumes competencies in math and chemistry equivalent to those accrued in high school algebra or MATH 142 and high school chemistry or CHEM 121.

**CHEM 131L COLLEGE CHEMISTRY I LABORATORY1 Credit**

Laboratory experience in basic chemical concepts, including concentrations, reaction mechanisms, stoichiometric relationships, molecular structure, properties of gases, liquids, and solids, and spectroscopy.

**Co-requisites:** CHEM 131

**CHEM 132 COLLEGE CHEMISTRY II3 Credits**

Second of a two semester sequence of courses in General Chemistry for science majors, with a focus on the topics of solution chemistry, chemical kinetics, principles and applications of equilibrium, chemical thermodynamics and electrochemistry.

**Prerequisites:** CHEM 131 and CHEM 131L

**Co-requisites:** CHEM 132L

**CHEM 132L COLLEGE CHEMISTRY II LABORATORY1 Credit**

Laboratory experience focusing on studies of principles and applications of chemical kinetics, equilibrium, acid-base chemistry, thermodynamics and electrochemistry.

**Co-requisites:** CHEM 132

**CHEM 140 SURVEY OF CHEMISTRY3 Credits**

Survey of chemistry principles and applications for science majors requiring a one semester freshman chemistry course. Topics covered include: matter and measurement, atoms ions and molecules, periodicity, chemical bonding, reaction stoichiometry, energy, phases of matter, solution chemistry, chemical kinetics, equilibrium, and electrochemistry.

**Prerequisites:** High school chemistry or CHEM 121 and high school algebra or MATH 142

**Co-requisites:** CHEM 140L

**Notes:** Does not duplicate CHEM 131 and is not a prerequisite for CHEM 132.

**CHEM 140L SURVEY OF CHEMISTRY LABORATORY1 Credit**

Laboratory experiences in basic chemical processes and mechanisms. Basic chemistry laboratory operations.

**Co-requisites:** CHEM 140

**CHEM 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**CHEM 231 SURVEY OF ORGANIC CHEMISTRY3 Credits**

Survey of organic chemistry principles and applications for students requiring one semester of Organic Chemistry. The nomenclature, structure, physical and chemical properties and reactions of the principle families of organic compounds are covered. Carbohydrates, lipids, enzymes, amino acids and protein synthesis are also covered at an introductory level.

**Prerequisites:** CHEM 132 and CHEM 132L or CHEM 140 and CHEM 140L

**Co-requisites:** CHEM 231L

**CHEM 231L SURVEY OF ORGANIC CHEMISTRY LABORATORY1 Credit**

Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy.

**Co-requisites:** CHEM 231

**CHEM 270 TOPICS (LD)1-3 Credits**

Special topics in chemistry appropriate for lower division credit.

**Prerequisites:** Instructor consent

**Add Consent:** Instructor Consent

**Notes:** May be repeated with different emphases for up to six hours credit.

**Requirements:** Instructor Consent.

**CHEM 310 CAPSTONE I: RESEARCH SEMINAR1 Credit**

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.

**Essential Studies:** SLO #12

**Prerequisites:** CHEM 132, 132L, and sophomore or above status

**Notes:** Normally taken during the student's Junior year.

**CHEM 313 QUANTITATIVE, ORGANIC, AND BIOLOGICAL CHEMISTRY FOR EDUCATORS3 Credits**

This course will examine basic principles in quantitative, organic, and biochemistry with the aim of learning how to teach these subjects in a high school classroom. Lesson planning, activity development, scientific literacy, critical thinking skills, and active learning will be incorporated in the class.

**Prerequisites:** CHEM 131, 131L and CHEM 132, 132L

**Co-requisites:** CHEM 313L

**CHEM 313L QUANTITATIVE, ORGANIC, AND BIOLOGICAL CHEMISTRY FOR EDUCATORS LABORATORY1 Credit**

The lab will be a mixture of inquiry-based lessons and direct instruction labs. Students will receive hands-on experience that guide them through concepts taught in lecture. Inquire-based learning labs will allow students to develop their own experiments that are safe to teach in a high school classroom.

**Prerequisites:** CHEM 131, 131L and 132, 132L

**Co-requisites:** CHEM 313

**CHEM 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**CHEM 333 ORGANIC CHEMISTRY I3 Credits**

An introduction to the structure, nomenclature, stereochemistry, properties, synthesis, and reactions of aliphatic and aromatic carbon compounds.

**Prerequisites:** CHEM 132, CHEM 132L, and Sophomore or above status

**Co-requisites:** CHEM 333L

**CHEM 333L ORGANIC CHEMISTRY I LABORATORY1 Credit**

Principle laboratory operations of organic chemistry, organic synthesis, and spectroscopy.

**Co-requisites:** CHEM 333

**CHEM 334 ORGANIC CHEMISTRY II3 Credits**

A continuation of Organic Chemistry I. Topics will include a systematic study of organic reactions by functional group, reaction mechanisms, and organic synthetic methods.

**Prerequisites:** CHEM 333, 333L and sophomore or above status

**Co-requisites:** CHEM 334L

**CHEM 334L ORGANIC CHEMISTRY II LABORATORY1 Credit**

An introduction to laboratory techniques and procedures of synthetic organic chemistry including analysis of organic compounds by infrared spectroscopy, mass spectrometry, and nuclear magnetic resonance spectroscopy.

**Prerequisites:** CHEM 333, 333L and sophomore or above status

**Co-requisites:** CHEM 334

**CHEM 335 BIOCHEMISTRY I3 Credits**

Introductory course covering the components and reactions of living matter. Topics include structure and function of major macromolecules including carbohydrates, lipids, proteins, and nucleic acids. The basics of enzyme functions and regulation will be studied. A brief introduction to metabolic pathways will be included.

**Prerequisites:** CHEM 231 and CHEM 231L or CHEM 333 and CHEM 333L and Sophomore or above status

**Notes:** Concurrent enrollment in CHEM 335L is recommended.

**CHEM 335L BIOCHEMISTRY LABORATORY1 Credit**

Laboratory experience in purification, quantitation, and characterization of biological molecules.

**Prerequisites:** CHEM 335

**Co-requisites:** CHEM 335 (can be taken as either a pre-requisite or a co-requisite)

**CHEM 336 BIOCHEMISTRY I13 Credits**

Fundamental concepts of the chemistry of proteins, carbohydrates, lipids, and nucleic acids with emphasis on metabolic pathways of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics, reaction pathways, regulatory pathways, and chemical mechanisms.

**Prerequisites:** CHEM 335 and Sophomore or above status

**CHEM 341 QUANTITATIVE ANALYSIS3 Credits**

Detailed study of classical analytical chemistry with topics to include; measurement and uncertainty, statistical analysis of data, basics of chemical equilibrium, activity and systematic treatment of complex equilibrium systems, acid-base equilibrium and buffers, EDTA titrations, gravimetric analysis, combustion analysis, and spectrophotometry.

**Prerequisites:** CHEM 132 and CHEM 132L and Sophomore or above status

**Co-requisites:** CHEM 341L

**CHEM 341L QUANTITATIVE ANALYSIS LABORATORY1 Credit**

Laboratory experience designed to improve laboratory skills in the qualitative analysis of matter using gravimetric and volumetric techniques.

**Prerequisites:** Sophomore or above status

**Co-requisites:** CHEM 341

**CHEM 342 INSTRUMENTAL ANALYSIS3 Credits**

Examination of the function and use of chemical instrumentation to analyze samples with emphasis on the use of spectrophotometers (UV/vis, IR, AA, mass spec), chromatographs (HPLC, GC), electrodes and potentiometry, and electrophoretic systems.

**Prerequisites:** CHEM 132, 132L or consent of instructor

**Co-requisites:** CHEM 342L

**CHEM 342L INSTRUMENTAL ANALYSIS LABORATORY1 Credit**

Laboratory experience involving the set-up and use of quantitative instrumentation in support of the topics covered in the lecture section of the course (spectrophotometry, chromatography, pH and Ion Specific electrodes, and electrophoresis).

**Prerequisites:** Sophomore or above status

**Co-requisites:** CHEM 342

**CHEM 390 INTERNSHIP IN CHEMISTRY1-12 Credits**

Provides practical experience as a chemist in government, business or industry. Open to upper division students majoring in the area of chemistry.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, Dean of Curriculum and Academic Advancement, and Academic Vice President is required.

**CHEM 401 CAPSTONE II: SENIOR RESEARCH1 Credit**

Independent research projects based on the results presented in CHEM 310. Data collection, analysis, and presentation of scientific papers.

**Essential Studies:** SLO #12

**Prerequisites:** CHEM 310 and Junior or above status

**Notes:** May be repeated for a total of up to six hours of credit.

**CHEM 410 CAPSTONE III: SENIOR RESEARCH/THESIS1 Credit**

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.

**Essential Studies:** SLO #12

**Prerequisites:** CHEM 401 and Junior or above status

**CHEM 417 TOPICS IN CHEMISTRY1-3 Credits**

Designed to meet the needs of students in a special area of interest. May be repeated for up to 6 hours.

**Prerequisites:** Instructor consent

**Add Consent:** Instructor Consent

**Requirements:** Instructor consent.

**CHEM 430 INORGANIC CHEMISTRY3 Credits**

Advanced principles of inorganic chemistry. Structure, bonding, properties, and reactions of inorganic compounds with emphasis on the relationships and trends that are embodied in the periodic table of the elements.

**Prerequisites:** CHEM 132, CHEM 132L, and Junior or above status

**CHEM 433 ENVIRONMENTAL CHEMISTRY3 Credits**

Study of the chemical processes that influence the environment, including processes which affect the quality and use of land, water, and atmosphere, as well as influence of anthropogenic effects on them. Focuses on topics of current concern.

**CHEM 433L ENVIRONMENTAL CHEMISTRY LABORATORY1 Credit**

Laboratory experience in environmental chemical analysis of environmental samples.

**CHEM 444 PHYSICAL CHEMISTRY3 Credits**

Fundamental principles of thermodynamics, kinetics, and quantum mechanics as related to chemical concepts.

**Prerequisites:** CHEM 132 and CHEM 132L

**Co-requisites:** CHEM 444L

**CHEM 444L PHYSICAL CHEMISTRY LABORATORY1 Credit**

Laboratory experience in thermodynamics and kinetics.

**Co-requisites:** CHEM 444

**CHEM 464 PHYSICAL CHEMISTRY II3 Credits**

Fundamental principles of kinetics, and quantum mechanics as related to chemical concepts.

**Prerequisites:** CHEM 444 and CHEM 444L

## Communication Arts (CA)

**CA 125 FUNDAMENTALS OF ORAL COMMUNICATION3 Credits**

Develops understanding and skills necessary for effective oral communication. Activities will include public speaking, group discussion, interviewing, and interpersonal communication.

**Essential Studies:** SLO #3

**CA 130 INTERPERSONAL COMMUNICATION3 Credits**

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.

**Essential Studies:** SLO #3

**CA 133 MEDIA WRITING3 Credits**

A study of various techniques of media writings intended to familiarize students on why and how media utilize those techniques. Writing techniques for Journalism, radio, television, and online, will be addressed.

**CA 144 ORAL INTERPRETATION & PERFORMANCE STUDIES3 Credits**

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.

**Essential Studies:** SLO #5

**CA 155 PUBLIC SPEAKING3 Credits**

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.

**Essential Studies:** SLO #3

**CA 160 TOPICS IN COMMUNICATION1-3 Credits**

Special Topics in Communications.

**Notes:** May be repeated with a change in emphasis.

**CA 215 AUDIO PRODUCTION3 Credits**

Theory and practice of audio production. To include artistic concepts as well as practical knowledge of scripting, recording, and editing various kinds of audio projects. Students will complete and present audio projects to the class and/or campus community via broadcast on KJZC Radio.

**Essential Studies:** SLO #5

**CA 225 COMMUNICATING IN GROUPS AND TEAMS3 Credits**

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

**Essential Studies:** SLO #3

**CA 231 INTRO TO DIGITAL PUBLISHING3 Credits**

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.

**CA 234 PHOTOJOURNALISM3 Credits**

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.

**CA 238 INTRO TO MASS MEDIA3 Credits**

A study of print and non-print media and their application to public communications. Field trips may be required.

**CA 240 NONVERBAL COMMUNICATION3 Credits**

This course will explore the human communication process without words. Students will focus on the research of various dimensions of nonverbal communication including nonintimate interactions, intimate, professional settings and mediated settings. Attention will be paid to individual and culture differences in nonverbal communication.

**CA 245 VIDEO PRODUCTION3 Credits**

Theory and practice of video production. To include artistic concepts as well as practical knowledge of scripting, recording, and editing various kinds of videos. Students will complete and present video projects to the class.

**Essential Studies:** SLO #5

**CA 250 INTRODUCTION TO PUBLIC RELATIONS:PRINCIPLES, PROCESSES & PRACTICES3 Credits**

An overview of the history, theory, ethics and practices in the American public relations profession. It provides a critical thinking framework for understanding organizational practice with diverse settings, media relations, image and identity management, target audiences and public opinion.

**CA 260 INTRO TO COMMUNICATION THEORY3 Credits**

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

**CA 330 CONFLICT RESOLUTION AND MEDIATION3 Credits**

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.

**Essential Studies:** SLO #3

**Prerequisites:** Junior or above status

**CA 333 NEWS REPORTING3 Credits**

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

**Prerequisites:** Sophomore or above status

**CA 334 THEORIES/PRACTICE OF PERSUASION3 Credits**

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.

**CA 335 MEDIA ADVERTISING3 Credits**

An overview of the fundamentals of copywriting for advertising in mass communication covering print and electronic media. The practice of advertising audience direction, appeals, strategy and structure will be included.

**Prerequisites:** Sophomore or above status

**CA 336 DIGITAL CITIZENSHIP3 Credits**

Students in this course will explore various effects of networked communication technologies on democratic practices, learn to define digital citizenship, and assess the success and/or failure of various developments in advancing the role of the citizen.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**CA 339 EVENT PLANNING AND LEADERSHIP3 Credits**

This course will provide an overview to event planning and leadership. Moreover, this course will explore event-planning aspects such as: marketing, leadership, financial administration, and effective research evaluation.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**CA 345 BROADCAST PRODUCTION3 Credits**

Practice of camera operation, on-air commentary, and production of event coverage. In addition to small group projects, all students in the course will collaborate to prepare and execute audio and/or video broadcasts of multiple campus events, via KJZC Radio and/or online video streaming platforms.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status, or instructor permission

**CA 346 INTERCULTURAL COMMUNICATION3 Credits**

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.

**Essential Studies:** SLO #10

**CA 350 APPLIED PUBLIC RELATIONS: CONCEPTS AND PRACTICES-INTERMEDIATE STUDIES IN PR3 Credits**

Theory and practice of producing public relations and publicity tools for the traditional and digital media. It emphasizes problem solving and critical thinking for professional practice in the development and use of campaigns for personal, institutional, and organizational objectives and activities. It includes writing, design and production techniques.

**Prerequisites:** Sophomore or above status

**CA 351 ORGANIZATIONAL COMMUNICATION3 Credits**

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.

**Prerequisites:** Sophomore or above status

**CA 353 HEALTH COMMUNICATION3 Credits**

Communication theory, research, and applications in health care, health promotion, and wellness industries. Variables influencing communication between and within health care providers and consumers are examined.

**CA 390 INTERNSHIP IN COMMUNICATION1-12 Credits**

Provides practical experience in a field related to Communication Arts.

**Add Consent:** Department Consent

**Notes:** 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.

**Requirements:** Dean of the School of Liberal Arts, Department Chairperson, and the student's major advisor must approve program prior to semester of internship.

**CA 391 INTERNSHIP IN JOURNALISM1-12 Credits**

Provides practical work experience program on the staff of a mass media outlet.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** Open to upper division students with previous course credit in journalism; selection of interns based upon availability of work positions and the qualifications of the applicants.

**Requirements:** Dean of the School of Liberal Arts, Department Chairperson, and the student's major advisor must approve program prior to semester of internship; application must be submitted to the Director of Internships at least 30 days prior to the semester of internship.

**CA 400 INDEPENDENT STUDY/RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of Instructor, Dean and Academic Vice President is required.

**CA 420 RELATIONAL AND FAMILY COMMUNICATION3 Credits**

Advanced interpersonal course to explore current interpersonal research in modern family relationship situations. In-depth exploration of intimate communication, parent-child communication, child-child communication, and extended family communication in the western tradition and intercultural.

**Prerequisites:** Junior or above status

**CA 425 RISK AND CRISIS COMMUNICATION3 Credits**

This course will discuss risk and crisis communication from a public relations and journalism lens. Moreover, this course will discuss what defines a crisis, how to avoid a crisis, what to do when a crisis occurs and how to take preventive future steps.

**Prerequisites:** Junior or above status

**CA 430 COMMUNICATION RESEARCH METHODS3 Credits**

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.

**Prerequisites:** Junior or above status

**CA 431A MEDIA PRACTICUM-NEWSPAPER1-3 Credits**

Production work on the student newspaper, THE EAGLE. The student arranges for weekly lab work. May be repeated with a change of emphasis up to a maximum of nine (9) credit hours.

**Prerequisites:** CA 333 or instructor permission and Junior or above status

**CA 431B MEDIA PRACTICUM-AUDIO VIDEO1-3 Credits**

Production work on the radio at Chadron State College. The student arranges for weekly lab work. May be repeated with a change of emphasis up to a maximum of nine (9) credit hours.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**CA 431C MEDIA PRACTICUM-THE BIG EVENT3 Credits**

Production work on the student-led service learning project The Big Event. The student arranges for weekly lab work. May be repeated with a change of emphasis up to a maximum of nine (9) credit hours.

**Prerequisites:** Junior or above status

**CA 434 EDITING AND DESIGN3 Credits**

Principles of editing and designing publications with emphasis on newspapers, especially THE EAGLE.

**Prerequisites:** CA 333 or instructor permission and Junior or above status

**Notes:** May be repeated with a change of emphasis up to a maximum of 9 credit hours.

**CA 435 ADVANCED TOPICS IN COMMUNICATION1-3 Credits**

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

**CA 436 SEMINAR IN COMMUNICATION3 Credits**

Designed to meet the specific needs of a group of students. May be repeated with a different topic. Admission by permission of Communication Arts faculty.

**CA 440 GENDER AND COMMUNICATION3 Credits**

Explores gender as a communication variable in settings ranging from interpersonal relationships, organizational settings, intercultural settings, to public or mass communication.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**CA 442 GLOBALIZATION, CULTURE AND MEDIA3 Credits**

Explores how globalization of culture and communication was shaped and reshaped as results of economic, technological, political and cultural concerns of various global players. Although all the major theoretical approaches of globalization of communication will be explored, focus on global communication as an emerging, hybrid and contested global field and global media will be emphasized.

**Essential Studies:** SLO #10

**CA 443 MEDIA LAW3 Credits**

An overview of legal issues related to journalism and other media outlets. Special emphasis on broadcast and print media, current interpretations of law, copyright and first amendment issues.

**Prerequisites:** Junior or above status

**CA 445 ADVANCED VIDEO PRODUCTION3 Credits**

Course designed towards completion of advanced video projects and presentation to the class and/or campus community. Students will be expected to demonstrate advanced ability in camera use, lighting, video editing, graphics, and effects.

**Prerequisites:** CA 245 and Junior or above status, or instructor permission

**CA 450 COMMUNICATION CAMPAIGNS3 Credits**

This course will discuss communication campaigns that influence us every day. Public relations, advertising, health and political campaigns will be examined throughout the semester. In addition, current campaign goals and objectives will be analyzed and critiqued. Lastly student will plan, organize, and implement an actual communication campaign.

**Prerequisites:** Junior or above status

## Counseling (COUN)

### The Chadron State College (CSC) Counseling Program provides academic training toward licensure as a Professional Licensed Alcohol and Drug Counselor (PLADC) in Nebraska

Applicants who have obtained a High School Diploma, GED, or College Degree; completed 270 clock hours of education related to the knowledge and skills of alcohol and drug counseling; and completed 300 hours of supervised practical training have met the Nebraska State requirements to apply for Licensure as a Provisional Licensed Alcohol and Drug

Counselor (PLADC). The seven CSC courses listed below meet the required 270 clock hours of education.

**COUN 127 LIFESPAN DEVELOPMENT3 Credits**

This course will study the nature and needs of individuals at all development levels from birth to death. (LADC Clock Hours-30).

**COUN 133 CLINICAL ADDICTION TREATMENT ISSUES3 Credits**

This course will study treatment issues specific to addiction and chemical dependency, such as denial, resistance, minimization, co-occurring disorders, family dynamics, spirituality, and influences of self-help groups. It will incorporate the study of chemical dependency clinical treatment needs of individuals while taking into consideration gender, culture, and lifestyle. (LADC Clock Hours-30).

**COUN 202 SEMINAR/TOPICS IN COUNSELING1-3 Credits**

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 publication.

**COUN 225 ADDICTION COUNSELING WITH GROUPS3 Credits**

This course will identify theories, processes and dynamics, techniques, and methods of group counseling and facilitation. (LADC Clock Hours-45)

**Essential Studies:** SLO #3

**COUN 235 ADDICTION ASSESSMENT AND CASE PLANNING3 Credits**

This course will explore the process of collecting client data for decision making on alcohol/drug disorder diagnosis, level of care placement, treatment, and referral. It will also study the practice of record keeping, assessment summaries, treatment plans, progress notes, discharge plans, clinical case reviews, assessment instruments, and case management activities designed to achieve client treatment goals (LADC Clock Hours-30).

**COUN 321 ADDICTION COUNSELING THEORIES AND TECHNIQUES3 Credits**

This course will include the study and practice of theories, principles, and techniques of counseling. Major counseling theories to include Adlerian, Cognitive Behavioral, Reality, Client-Centered, Gestalt, and others. We will also cover counseling techniques to include attending skills, reflective feedback, paraphrasing, summarizing, therapeutic confrontation, and empathy development. (LADC Clock Hours-45).

**Essential Studies:** SLO #3

**Prerequisites:** Sophomore or above status

**COUN 323 ADDICTION COUNSELING ETHICS AND DIVERSITY3 Credits**

This course will explore the ethical standards of addiction counseling. This will include the application of ethical principles such as non-discrimination, integrity, competence, and client welfare to diverse populations. It will also address cultural, social, lifestyle, spiritual, and economic factors relevant to the provision of competent counseling to varied and multicultural populations. (LADC Clock Hours-45).

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**COUN 331 MEDICAL AND PSYCHOSOCIAL ADDICTION ASPECTS3 Credits**

This course will study the physiological, psychological, and sociological aspects of alcohol/drug use, abuse, and dependence. It will explore the processes of dependence, addiction, and withdrawal along with associated signs, symptoms, and behavior patterns. It will also include the study of drug types and pharmacology. (LADC Clock Hours-45).

**Essential Studies:** SLO #11

**Prerequisites:** Sophomore or above status

**COUN 402 SEMINAR/TOPICS IN COUNSELING1-3 Credits**

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 publication.

**Prerequisites:** Junior or above status

## Criminal Justice (CJ)

**CJ 231 INTRODUCTION TO CRIMINAL JUSTICE3 Credits**

A study of the structure, functions, and operations of the criminal justice system in the United States. This course provides an overview of the organization and decision-making processes of agencies that deal with the management and control of crime and criminal offenders-law enforcement, courts, and corrections.

**CJ 232 INTRODUCTION TO LAW ENFORCEMENT3 Credits**

A study of the origins of policing, the nature of police work, and the issues, trends, and challenges facing modern policing.

**Prerequisites:** CJ 231

**CJ 233 LAW ENFORCEMENT ORGANIZATION AND ADMINISTRATION3 Credits**

A study of the structure and functions of law enforcement organizations (city, county, state, and federal). Theories of leadership and organizational goals, efficiency, expectations, and employer/employee relationships will be explored.

**Prerequisites:** CJ 231

**CJ 235 FUNDAMENTALS OF CRIMINAL INVESTIGATION3 Credits**

A study of the theoretical and philosophical underpinnings necessary to understand the investigatory process. Particular emphasis is placed on the role of the first responder, chain of custody, crime scene evidence, and interaction with victims, witnesses, and potential predators.

**Prerequisites:** CJ 231

**CJ 236 INTRODUCTION TO CORRECTIONS3 Credits**

A study of the correctional system and its role in the criminal justice process. This course provides an overview of the historical development of crime and corrections, philosophical concepts and major developments, which have shaped corrections. Sentencing options, as well as community and institutional correctional programs, will be covered.

**Prerequisites:** CJ 231

**CJ 239 CRIMINOLOGY3 Credits**

A study of the nature and causes of criminal behavior. This course will analyze the crime causation ranging through biological, psychological, sociological, and cultural theories. This course will also evaluate the historical influences and thoughts which have led to criminology's development as a contemporary science.

**Cross-Listed:** CJ239/SOC239

**CJ 249 VICTIMOLOGY3 Credits**

A study of the situations, events, and processes that are related to victimology. This course will examine theoretical aspects of victimization, the prevalence of victimization, the complexities of victim/offender relationships, the associated costs, and socio-legal efforts to assist victims who suffer from emotional, financial, physical, and sexual harms because of criminal activities. Finally, this course will examine policies aimed at assisting victims and preventing victimization.

**CJ 321 POLICE AND COMMUNITY RELATIONS3 Credits**

A study of the interdependence of the police and community in maintaining order and controlling crime. This course focuses on the historical and contemporary roles of policing in society, community attitudes toward police, and strategies for developing positive police-community relations.

**Prerequisites:** CJ 231 and CJ 232

**CJ 322 JUVENILE CRIME AND GANGS3 Credits**

A study of crime trends and patterns of delinquent behavior, as related to subcultures. Furthermore, this course will explore gang history and variations of gang practices by race, class, and gender. Policies and intervention strategies relevant to this type of crime are considered.

**Prerequisites:** Sophomore or above status

**CJ 323 FORENSIC STUDIES I3 Credits**

A study of scientific theories and applications related to the collection, analysis, and interpretation of crime scene evidence. This course will include: dusting and lifting of fingerprints, chemical processing of fingerprints, 3D evidence, blood pattern recognition and blood spatter interpretation.

**Prerequisites:** Sophomore or above status

**CJ 331 CRIMINAL LAW3 Credits**

A study of the general principles of criminal law and the specific elements of particular crimes. This course examines the sources of criminal law, the constitutional limitations on criminal law, the basic proof requirements for specific crimes, and the various defenses to criminal liability.

**Cross-Listed:** LS 331/CJ 331

**Prerequisites:** LS 231 or CJ 231 and Sophomore or above status

**CJ 332 JUVENILE DELINQUENCY3 Credits**

A study of the history and concept of delinquency, the development of the juvenile justice system, nature and extent of delinquency, theoretical explanations of delinquency, and environmental influences of delinquency. Special topics covered include child abuse and neglect, school-based crime, gang control efforts, and the relationship between delinquency and drug abuse.

**Cross-Listed:** CJ332/SOC332

**Prerequisites:** CJ 231 and Sophomore or above status

**CJ 333 CONSTITUTIONAL LAW3 Credits**

A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation.

**Cross-Listed:** CJ333/LS333/PS333

**Prerequisites:** Sophomore or above status

**CJ 334 CRIMINAL PROCEDURES3 Credits**

A study of the rule of law in action. Students will examine procedural limitations in processing an individual through the criminal justice system with special emphasis on arrest, search and seizure, interrogation, identification and exclusion of evidence.

**Cross-Listed:** CJ334/LS334

**Prerequisites:** Sophomore or above status

**CJ 336 MULTICULTURAL ISSUES IN CRIMINAL JUSTICE3 Credits**

A study of theories and current research related to racial, ethnic, and gender disparity within the American criminal justice system. This course examines the most recent research on patterns of criminal behavior and victimization, police practices, court processing and sentencing, the death penalty and correctional programs in a diverse society.

**Prerequisites:** CJ 231 and Sophomore or above status

**CJ 337 INTRODUCTION TO LAW3 Credits**

A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system, and considers the economic, social, and political implications as they influence the development of a rule of law. Historical and contemporary legal controversies will be examined.

**Cross-Listed:** CJ337/LS337/PS337

**Prerequisites:** Sophomore or above status

**CJ 338 COMMUNITY BASED CORRECTIONS3 Credits**

A study of the procedures, practices, and personnel involved in community-based corrections. This course examines the role of the community in the reintegration of offenders, with a focus on correctional programs designed to be administered in a community setting, such as probation, parole and intermediate sanctions.

**Prerequisites:** CJ 231, CJ 236 and Sophomore or above status

**CJ 390 INTERNSHIP IN CRIMINAL JUSTICE1-12 Credits**

A student will gain practical experience in a criminal justice agency such as law enforcement, courts or corrections.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

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.

**Prerequisites:** 15 hours of Criminal Justice courses

**Add Consent:** Instructor Consent

**Requirements:** Permission of Instructor, Dean and Academic Vice President.

**CJ 430 TOPICS IN CORRECTIONS3 Credits**

Topics selected to meet the needs of students in a special area of interest in corrections.

**Prerequisites:** CJ 236 and Junior or above status

**CJ 431 INSTITUTIONAL CORRECTIONS3 Credits**

A study of the history and operation of jails and prisons in the United States. This course examines the history of incarceration, institutional programs and procedures, institutional subcultures, and the classification and supervision of incarcerated offenders.

**Prerequisites:** CJ 231, CJ 236, and Junior or above status

**CJ 432 JUVENILE LAW3 Credits**

A study of the rights and duties of children, parents, and the state in both private and criminal arenas. This course examines the development of the legal status of children, constitutional rights of minors, the role of the state in relation to the family, state power to intervene in the lives of parents and children, and juvenile offenders in the justice system. Emphasis is placed on the juvenile justice process as it has developed in the United States.

**Cross-Listed:** CJ432/LS432

**Prerequisites:** Junior or above status

**CJ 433 RULES OF EVIDENCE3 Credits**

A study of evidence and the rules governing its use. This course examines what, how, and why certain objects or testimony should be admitted into, or excluded from, evidence in court. Topics include the problems of relevance, authentication, burdens of proof, presumptions, hearsay, opinion, and expert testimony.

**Cross-Listed:** CJ433/LS433

**Prerequisites:** CJ 231 or LS 231 and Junior or above status

**CJ 434 SENIOR SEMINAR IN CRIMINAL JUSTICE3 Credits**

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.

**Prerequisites:** Criminal Justice Senior

**CJ 435 DRUGS, ALCOHOL AND CRIME3 Credits**

A study of the relationship of drugs and alcohol on the nature and incidence of crime with a focus on issues for police, courts, and corrections.

**Prerequisites:** Junior or above status

**CJ 436 COMPARATIVE CRIMINAL JUSTICE3 Credits**

A study and comparison of the world's major justice systems. This course compares the various elements of human culture as reflected in the major criminal justice systems of the world and procedures for social control of crime. Special attention is given to what constitutes a crime, the judicial processes for determining guilt, and theories and practices of punishment.

**Prerequisites:** Junior or above status

**CJ 437 TOPICS IN LAW ENFORCEMENT3 Credits**

Topics selected to meet the needs of students in a special area of interest in law enforcement.

**Prerequisites:** CJ 232 and Junior or above status

**CJ 438 TOPICS IN LAW3 Credits**

Topics selected to meet the needs of students in a special area of interest in law.

**Cross-Listed:** CJ438/LS438

**Prerequisites:** Junior or above status

**CJ 440 TOPICS IN JUVENILE JUSTICE3 Credits**

Topics selected to meet the needs of students in a special area of interest in juvenile justice.

**Prerequisites:** Junior or above status

**CJ 441 ETHICAL ISSUES IN CRIMINAL JUSTICE3 Credits**

A study of the ethical philosophies and issues pertaining to the various professions in the criminal justice system. Through the use of case studies, students will evaluate ethical dilemmas encountered in both the administration of justice and the ethical dilemmas faced by its professional practitioners.

**Prerequisites:** Junior or above status



**CJ 442 HONORS IN CRIMINAL JUSTICE<sup>3</sup> Credits**

Selected courses and topics designed for upper division students with a grade point average of 3.25 in all course work.

**Cross-Listed:** CJ442/LS442

**Add Consent:** Instructor Consent

**Notes:** May be repeated up to a maximum of twelve (12) semester hours.

**CJ 443 CORRECTIONAL LAW<sup>3</sup> Credits**

A study of major legal issues surrounding sentencing, incarceration, probation, parole, pardon, and related topics. This course provides a general overview of the law relating to persons in prison, jail or within the corrections system. Also investigates how civil and criminal law affects facilities, community-based corrections, and personnel working in the correctional system.

**Cross-Listed:** CJ443/LS443

**Prerequisites:** Junior or above status

**CJ 444 FORENSIC STUDIES II<sup>3</sup> Credits**

A study of two aspects of forensic investigation. This course will be applying various features and functions of the camera that are used to control and provide the proper exposure and other qualities expected by today's court system. Many practical experiences will be incorporated to demonstrate and inculcate the complexity of forensic photography. This course will also focus on the application of Linguistic Statement Analysis Technique (LSAT). This forensic technique is an advanced investigative technology that has been empirically tested for its effectiveness in detecting deception in spoken and written statements from victims, suspects and witnesses in all crimes.

**Prerequisites:** Junior or above status

**CJ 446 CROSS CULTURAL STUDIES/JUSTICE STUDIES<sup>1-3</sup> Credits**

A study of the cross cultural differences in crime and applications of criminal justice systems and practices. This course examines the impact of cultural factors (historical, religious, social, and political) on the formal institutions, laws and procedures for social control of crime. This course requires participation in a study abroad program.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Drop Consent:** Instructor Consent

**CJ 447 APPLIED ISSUES IN CRIMINAL JUSTICE<sup>1-6</sup> Credits**

Projects, workshops, field experiences and seminars that focus on a specialized area in Criminal Justice.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**CJ 448 PROFESSIONAL SEMESTER<sup>1-12</sup> Credits**

The student will attend a certified law enforcement training academy to obtain certification as a professional law enforcement officer. Admission to the professional semester requires completion of all requirements in the Criminal Justice major.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and admission by a law enforcement training center.

**CJ 449 CRIMINAL PROFILING<sup>3</sup> Credits**

This course will present the techniques necessary to develop a complete socio-psychological profile regarding various types of violent behavior. The rationale for psychological profiling, the analysis of violent crime scenes, the motivations for committing crimes, and the role of aggression and criminological theories in the formation of psychological profiles will be examined. Using case studies and illustrations, the complexity of the violent personality will be presented while maintaining a scientific focus and approach.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**CJ 450 TOPICS IN FORENSIC STUDIES<sup>3</sup> Credits**

Topics selected to meet the needs of students in a special area of forensic sciences.

**Prerequisites:** CJ 323 or CJ 444 and Junior or above status

**CJ 469 SEX CRIMES AND PARAPHILIA<sup>3</sup> Credits**

A study of sex crimes, sex offenders, the effect on their victims and attempted treatment. The methods, motivations and victim selection of offenders will be examined through the use of case studies. Paraphilias and how this information can help determine fantasy which can illuminate specific typologies of sex offending and the etiology of the offender will be examined.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

## Economics (ECON)

**ECON 130 SURVEY OF ECONOMICS<sup>3</sup> Credits**

Basic microeconomic and macroeconomic theories and concepts. Oriented towards the study of households, firms and governments within regional, domestic, and global markets for goods and services and resources. Course involves variations (absolute and comparative) among regions, states, and nations relative to resource-based economic systems, markets for goods and services, and measures of economics welfare.

**Essential Studies:** SLO #10

**ECON 160 TOPICS IN ECONOMICS<sup>1-3</sup> Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in economics.

**ECON 231 MACROECONOMICS<sup>3</sup> Credits**

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<sup>3</sup> Credits**

Components with the economy devoted to households, firms, governments, markets for products and services, and markets for resources, in the context of domestic and global consumers, producers, and governments. Analysis of supply and demand, pricing functions, and income distribution with application to United States economy.

**ECON 334 AGRICULTURAL ECONOMICS AND AGRIBUSINESS<sup>3</sup> Credits**

Basic economic principles and theories focusing on product markets, resource markets, production costs, and market structures, conduct and performance of the agricultural sector from retail level, consumers' demands, and resource sectors, production, domestically and globally within agriculture. Governments' roles, functions, and policies which impact domestic and global markets for agriculture.

**Cross-Listed:** AGRI330/ECON334

**Prerequisites:** ECON 232 and Sophomore or above status

**ECON 423 AGRICULTURAL POLICY3 Credits**

An examination of USDA agricultural, fiber, conservational, and rural economic policies studies from domestic and international perspectives. Examination of public policy in the economic framework used to assess and improve competitive structure, operation, and performance of U.S. and international food and agriculture. Farm, international trade, rural economic development, resource/environmental, technology, food marketing and consumer policies are analyzed. Major economics courses will be beneficial.

**Cross-Listed:** AGRI423/ECON423

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**ECON 434 NATIONAL AGRICULTURAL POLICY3 Credits**

The basics of agricultural production and marketing components within the domestic and global markets with the focus on the dynamics of the agricultural sector and economic system. Analysis focuses on traditional and current agricultural and economic policies within the context of positive and normative economics and a capstone course for agribusiness majors.

**Prerequisites:** MATH 138 or MATH 142 and Sophomore or above status

**ECON 460 TOPICS IN ECONOMICS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in economics.

**ECON 467 AGRICULTURAL BUSINESS PLANNING AND MANAGEMENT3 Credits**

Analysis of the economic decisions made by farm/ranch owners, from sales to marketing to financial management to market analysis, feasibility studies and interfacing with governmental and other organizations. At the end of the course, you will have the core elements of a business plan to guide your farming/ranching operations.

**Prerequisites:** ACTG 241, BA 337, ECON 232, ECON 423 or AGRI 423, FIN 242 and Junior or above status

## Education (EDUC)

**EDUC 100 INFORMATION LITERACY1 Credit**

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 biographical manner.

**Cross-Listed:** EDUC100/LMS100

**EDUC 121 THE ACADEMIC LIFE3 Credits**

The Academic Life is designed to assist students in acclimating to the expectations of college academics and culture. The overall objective of the course is to provide a classroom environment that promotes student success in academics and life. A broad variety of topics relating to student engagement and achievement are covered.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**EDUC 131 INTRODUCTION TO TEACHING3 Credits**

This introductory course surveys the work of a teacher, the public school system, and the qualities necessary for success as a teacher in the education profession. Fundamental to all future course work in the Education Program. A ten (10) clock hour school-based classroom observation experience is a required part of this course.

**Requirements:** Field experience requires a background check.

**EDUC 224 TECHNOLOGY RESOURCES FOR LEARNING3 Credits**

This course focuses on the integration of computers and other new technologies into the academic curricula. This course will focus on making decisions about content, instructional strategies, and the use of technology in innovative ways to supplement, enhance, and extend the curriculum. Participants will examine software tools, curriculum software, Internet resources, and computer-based projects as examples of technology that can be effectively integrated into the curriculum.

**Prerequisites:** EDUC 131

**EDUC 231 PLAY/ART/MUSIC FOR EARLY CHILDHOOD3 Credits**

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.

**Prerequisites:** FCS 139

**EDUC 232 SCIENCE, MATH, AND SOCIAL SCIENCE FOR EARLY CHILDHOOD3 Credits**

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.

**Prerequisites:** FCS 139

**EDUC 233 LITERATURE AND LANGUAGE ARTS PROGRAM FOR EARLY CHILDHOOD3 Credits**

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.

**Prerequisites:** FCS 139

**EDUC 270 SPECIAL TOPICS1-3 Credits**

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 271 HUMAN RELATIONS TRAINING1 Credit**

Develop awareness and understanding of the values, lifestyles, contributions and history of a pluralistic society; develop the ability to recognize and deal with dehumanizing biases and how they may be reflected in instructional material; develop ability to translate knowledge of human relations into attitudes, skills and techniques which result in favorable experiences for students; develop respect for human dignity and individual rights and develop the ability to relate effectively to other individuals and groups other than one's own.

**EDUC 300 OBSERVATION AND PARTICIPATION1-3 Credits**

A field-based experience which includes school site classroom observation and participation in the candidate's major subject area(s), with emphasis on active involvement in authentic school settings.

**Prerequisites:** Successfully pass the Praxis I: Core Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230 with no grade below a "C", and Sophomore or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Requirements:** Minimum of one credit hour required for all Elementary, ECE Inclusive, P-6, Secondary, Middle Level, and PK-12 majors (but students may register for up to three credits, which would include additional observation hours). Maintain the specified GPA of 2.75 as required by the Nebraska Department of Education for program entry. Pass a required background check.

**EDUC 301 ELEMENTARY/MIDDLE LEVEL EDUCATION QUALIFYING SEMINAR0 Credits**

A required class session seminar designed to disseminate and explain paperwork required for admission into the professional year to all Elementary Education and majors in the Middle Level and PK-12 Secondary Levels. Teacher Education candidates will be required to attend one (1) class session in the fall semester of their junior year.

**Prerequisites:** Sophomore or above status

**EDUC 321 TEACHING ELEMENTARY/MIDDLE SCHOOL MATHEMATICS3 Credits**

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.

**Prerequisites:** EDUC 131 and PSYC 231 or PSYC 334 and Sophomore or above status

**EDUC 322 TEACHING ELEMENTARY/MIDDLE SCHOOL LANGUAGE ARTS3 Credits**

Survey of the teaching methods in the language arts for the elementary and middle school students. All major aspects of communication will be considered.

**Prerequisites:** EDUC 131, PSYC 231, and Sophomore or above status

**EDUC 323 TEACHING ELEMENTARY/MIDDLE SCHOOL SOCIAL STUDIES3 Credits**

An in-depth study of Social Studies curriculum standards, including an analysis of what is to be taught at each grade level within a given topic of study, planning and building units of study that meet or exceed the standards, in addition to planning for daily instruction.

**Prerequisites:** EDUC 131, PSYC 231, and Sophomore or above status

**EDUC 325 LANGUAGE, CULTURE AND LITERACY3 Credits**

An introduction to the foundations of psycholinguistic and sociolinguistic theories, particularly as related to oral and written language acquisition and development. Focus on issues relating to language and literacy educational practices in linguistically diverse classrooms. Topics will include the relationship among communication and culture, bilingual and bi-literacy development, the role of language in the transmission of socio-cultural knowledge, home-school literacy partnerships, and classroom strategies that lead to successful language and literacy development. Emphasis will be placed on developing the skills and dispositions to become effective teachers in culturally and linguistically diverse classrooms.

**Prerequisites:** EDUC 131, PSYC 231 and sophomore or above status

**EDUC 329 ASSESSMENT FOUNDATIONS2 Credits**

Assessment foundations addresses the theoretical and practical aspects of assessing student learning. Teachers must be able to select/create and effectively use assessments for a variety of purposes.

**Prerequisites:** EDUC 131, EDUC 224, PSYC 231, and Sophomore or above status

**EDUC 360 CROSS CULTURAL STUDIES IN EDUCATION3-6 Credits**

This course is designed to provide individuals interested in educational systems in other societies the opportunity to study and observe these systems through training experiences in the form of workshops, fellowships, and/or seminars.

**Notes:** Course may be repeated with a different focus.

**Requirements:** The course requires travel expenses as associated with the specific activity.

**EDUC 390 APPLIED INTERNSHIP IN EDUCATION1-3 Credits**

Provides practical experience in an agency related to education.

**Add Consent:** Department Consent

**Notes:** 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 stude

**EDUC 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Dean's permission required.

**EDUC 411S READING/WRITING IN CONTENT AREA1 Credit**

Invites 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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the professional year, Semester #1.

**EDUC 417E TEACHING READING DIAGNOSIS1 Credit**

Diagnostic awareness and corrective skill. Formal and informal tools used in assessing reading progress, identifying reading 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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the Professional Year.

**EDUC 422 TEACHING ELEMENTARY/MS SCIENCE/HEALTH3 Credits**

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:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken in conjunction with the professional year, Semester #1.

**EDUC 423 TEACHING PRIMARY READING AND WRITING3 Credits**

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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the Professional Year, Semester #1.

**EDUC 424 TEACHING INTERMEDIATE READING AND WRITING3 Credits**

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 and study skills, laboratory projects and demonstrations of instructional techniques, reading and writing principles, program development, and instructional and organizational procedures.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the Professional Year, Semester #1.

**EDUC 431A SPECIAL METHODS/ART3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431C SPECIAL METHODS/HPER3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Notes:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431F SPECIAL METHODS/MATH3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431G SPECIAL METHODS/SCIENCE3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431I SPECIAL METHODS/BUSINESS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431J SPECIAL METHODS/FCS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431L SPECIAL METHODS/SOCIAL SCIENCES3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431M INTERDISCIPLINARY SPECIAL METHODS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**Requirements:** Students must meet or exceed the minimum GPA as required by the Nebraska Department of Education.

**EDUC 431Q SPECIAL METHODS/SECONDARY MUSIC3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** CORE Basic Skills test, EDUC 131, EDUC 224, PSYC 231, SPED 230, SPED 334 and Junior or above status

**EDUC 433 THE MIDDLE SCHOOL3 Credits**

Philosophy, implementation, and improvement of the middle school (grade 5-9) 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. Includes a field experience which requires a background check.

**Prerequisites:** Junior or above status

**EDUC 440 TOPICS IN EDUCATION1-3 Credits**

Designed to allow students to study some aspect of Education not offered in the regular class. May be repeated with a change in emphasis for a maximum of 6 credit hours.

**EDUC 441 CURRICULUM AND STANDARDS1 Credit**

The course topics include curriculum development (scope and sequencing of instruction; implementation of standards into the curriculum; the relationship between scope/sequence-unit-lesson planning and assessment; strategies for connecting units of instruction throughout the curriculum; co-curricular and extracurricular planning.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the professional year.

**EDUC 442 CLASSROOM MANAGEMENT2 Credits**

Classroom management as it relates to efficiently operated classrooms. Theory and practice precede practical implications and teaching strategies in the following areas: managing student behavior, engaging and motivating students, time management, classroom routines, stress, safety, and working with parents and para-professionals.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** Taken as part of the professional year.

**EDUC 443 HUMAN REL/MULTI-CULTURAL1 Credit**

Considers the 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.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course is taken as part of the professional year.

**EDUC 460 COMPARATIVE EDUCATION1-3 Credits**

This course explores the study of education from a comparative perspective, focusing on major educational systems of the world with a special emphasis on Western Europe. An international field trip is required.

**Essential Studies:** SLO #10

**Add Consent:** Instructor Consent

**EDUC 475 REGIONAL ELEMENTARY/MIDDLE SCHOOL PROFESSIONAL STUDIES SEQUENCE12 Credits**

This integrated course prepares students for the clinical internship and includes the following topics: a) classroom management; b) curriculum and counseling; c) human relations/multicultural education; d) assessment; e) reading and writing diagnosis; f) science and health; g) primary and intermediate reading and writing; and h) special education practices and strategies.

**EDUC 480A FIELD EXPERIENCE1-8 Credits**

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 field experience is designed to give the candidate the opportunity to gain insight into teaching skills in the prospective endorsement, and to develop professional integrity at the appropriate grade level to meet state certification requirements.

**Prerequisites:** Junior or above status and department consent

**Add Consent:** Department Consent

**Notes:** The total number of field experience credit hours will be determined by transcript review.

**Requirements:** Requires a criminal background check and the 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; one-half of the supervision fee will be assessed.

**EDUC 490 TEACHER INTERNSHIP - STUDENT TEACHING5-9 Credits**

Education 490 Teacher Internship - Student Teaching is designed to give the teacher candidate the opportunity to gain insight into teaching skills and to develop professional integrity using current pedagogical methods that impact student learning in the candidate's respective grade level and content area(s) of study. Each teacher internship experience will encompass the appropriate grade level and/or endorsement to meet certification requirements and must be completed concurrently with EDUC 495. Students will accomplish course outcomes/Education SLO by participating in a minimum of a 14 week teaching internship field experience. During this experience, teacher interns will be placed in different classroom settings within a PK-12 school setting, working in collaboration with the Cooperating Classroom Teachers, PK-12 students and a CSC Supervisor.

**Co-requisite:** Students must be enrolled in EDUC 495 Education Capstone at the same time. **Prerequisites:** A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook for current GPA) and must have successfully completed the Professional Semester Block with no grade below a C.

**Prerequisites:** EDUC 411A, EDUC 412S, EDUC 414S, EDUC 415S, EDUC 418S, EDUC 431, and Junior or above status

**Co-requisites:** EDUC 495

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**EDUC 495 EDUCATION CAPSTONE3 Credits**

Education Capstone is designed to give the teacher candidate the opportunity to gain insight into teaching skills and to develop professional integrity using current pedagogical methods that impact student learning in the candidate's respective content area of study. Each Education Capstone experience will encompass the appropriate grade level and endorsement(s) to meet certification requirements. Students will experience course work to meet Education Learning Outcomes and ESO by participating in a minimum of a 16-week teaching internship field experience. During this experience, teacher interns will be placed in different classroom settings within a P-12 school setting working in collaboration with the Cooperating Classroom teachers, P-12 students and a CSC Supervisor. During this course Teacher Interns will complete the following course activities: Teacher Work Sample Project, Lesson Planning Activities, Teacher Intern Guidebook assignments, and will maintain a Teacher Internship Reflective Journal. Imbedded into these assignments are specific activity assignments that are meant to meet the following Essential Studies Program Student Learning Outcomes: ESO 12.

**Essential Studies:** SLO #12

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Requirements:** A student must maintain the required minimum GPA as determined by the Nebraska Department of Education (See Teacher Education Handbook for current GPA) and have successfully completed the Professional Semester Block with no grade below a C.

## English (ENG)

**ENG 111 INTRODUCTION TO COLLEGE WRITING1-3 Credits**

This course is designed to help students utilize a variety of strategies for composing written discourse in Standard Edited English in an academic setting.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**ENG 135 RHETORIC AND WRITING3 Credits**

Guided practice in reading, writing, and revising texts, with attention to issues of purpose, audience, organization, style, and conventions for diverse writing situations.

**Essential Studies:** SLO #2

**Prerequisites:** ACT of 19 or higher in English or Reading, SAT Critical Reading 460 or higher, or meeting additional requirements outlined in the Catalog or determined by the Transitional Studies Director

**ENG 136 TOPICS IN WRITING3 Credits**

Each section of this course will focus upon a specific issue or theme that students will explore through diverse writing situations, composing texts that make appropriate use of evidence and conventions. Topics will vary.

**Essential Studies:** SLO #2

**Prerequisites:** ACT of 19 or higher in English or Reading, SAT Critical Reading 460 or higher, or meeting additional requirements outlined in the Catalog or determined by the Transitional Studies Director

**Notes:** See the placement matrix in Essential Studies for further details.

**ENG 137 TECHNICAL WRITING3 Credits**

Interdisciplinary writing course emphasizing workplace and technical communication and editing appropriate to diverse populations.

**Essential Studies:** SLO #2

**Notes:** See the placement matrix in Essential Studies for further details.

**ENG 232A HISTORY OF AMERICAN LITERATURE TO 18653 Credits**

A study of American literature from its beginning to 1865.

**Essential Studies:** SLO #7

**ENG 232B HISTORY OF AMERICAN LITERATURE FROM 18653 Credits**

A study of American literature from 1865 to the present.

**Essential Studies:** SLO #7

**ENG 233 ELEMENTS OF LITERATURE3 Credits**

A study of the elements of poetry, drama, and fiction as well as an introduction to a variety of lenses of critical analysis.

**Essential Studies:** SLO #7

**ENG 235 CHILDREN'S LITERATURE3 Credits**

A study of literature written for children and adolescents that provides a critical background for interpreting, evaluating and teaching the literature.

**ENG 236A HISTORY OF BRITISH LITERATURE TO 17953 Credits**

A study of British literature and its influence on the development of the English language and national identities across Great Britain from its beginnings to 1795.

**Essential Studies:** SLO #7

**ENG 236B HISTORY OF BRITISH LITERATURE FROM 17953 Credits**

A study of literature, popular authors, and literary movements throughout the United Kingdom and the Republic of Ireland from 1795 to the present.

**Essential Studies:** SLO #7

**ENG 260 LITERARY EXPLORATIONS3 Credits**

Special Topics Seminar in English.

**Notes:** May be repeated with a change of emphasis.

**ENG 299 INTRODUCTION TO CREATIVE WRITING3 Credits**

Beginning course in creative writing that introduces students to writing in various genres.

**Essential Studies:** SLO #5

**ENG 300 GRAPHIC NOVEL: STUDIES IN DIVERSITY AND DIFFERENCE3 Credits**

An examination of contemporary issues in global diversity through the lens of the graphic novel, a literary genre that creates meaning through the sequencing and juxtaposition of visual images and words. The goal is to understand the graphic novel as a cultural product and a cultural practice, paying careful attention to the ways that graphic storytellers manipulate historical and contemporary economic, political, and social issues in their art.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**ENG 311 THE THEORY AND PRACTICE OF TEACHING READING3 Credits**

This course in the theory and practice of teaching reading to adolescents introduces students to research in the cognitive and linguistic processes of reading; research in the motivational and sociocultural foundations of literacy; evidence-based instructional practices and strategies that support literacy; and a range of assessment practices that inform reading instruction. Particular attention will be paid to diversity issues in reading instruction, including social justice, equity, and student identities.

**Prerequisites:** Sophomore or above status

**ENG 320 GRAMMAR AND LINGUISTICS3 Credits**

An introduction to the study of grammar and linguistics, with a focus on sociolinguistics and differing approaches to grammar as each applies to teaching.

**Prerequisites:** Sophomore or above status

**ENG 321 THE ART OF RHETORIC3 Credits**

An historical and theoretical investigation of rhetoric in its spoken and written forms. Emphasis will be placed (a) on the practice of rhetoric and writing in civic spaces, and (b) on creative writing as a rhetorical art.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**ENG 331 THEORY AND PRACTICE OF TEACHING WRITING3 Credits**

An examination of various methods and programs in teaching writing, including practical experience in responding to writing.

**Prerequisites:** Sophomore or above status

**ENG 340 CONTEMPORARY LITERATURE3 Credits**

A study of various issues, authors and topics in contemporary literature from diverse genres.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 341 LITERATURE OF THE AMERICAN WEST3 Credits**

An exploration of writers and works of literature related to the American West.

**Essential Studies:** SLO #7

**ENG 342 MULTI-ETHNIC LITERATURE IN ENGLISH3 Credits**

An exploration of works from diverse genres by writers from around the world and literary criticism that confront race, class and ethnicity, gender, and the intersectionality of these issues.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**ENG 343 LITERATURE AND PHILOSOPHY3 Credits**

An examination of literary works at the intersection of philosophy and literature that raise such philosophical issues as the nature of reality, truth, knowledge, identity or vividly illustrates the meaning of abstract thought about those issues.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 344 LITERATURE OF THE ENVIRONMENT3 Credits**

An examination of literary theory, criticism, and works from a variety of genres that treat the relationship between people and their natural environments.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 345 GENDER, SEXUALITY, AND LITERATURE3 Credits**

A study of masculinity and femininity, the fluidity of these categories, and how these categories intersect with questions pertaining to sexual orientation in literature and literary criticism.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**ENG 346 LITERATURE OF THE BIBLE3 Credits**

The purpose of this course is to introduce students to the literature of the Protestant and Catholic Bibles. Students will use diverse reading practices employed in both biblical and literary scholarship in order to read these texts in their literary, historical, and cultural contexts (ancient Near East, Greece, and Rome).

**Essential Studies:** SLO #10

**ENG 361 DIGITAL COMPOSITION3 Credits**

An examination of the theory and practice of literacy in the digital age, with an emphasis on using digital tools and technologies to read, write, and learn.

**Prerequisites:** Sophomore or above status

**ENG 390 INTERNSHIP IN ENGLISH1-12 Credits**

Provides practical experience in a field related to Literature and/or English.

**Add Consent:** Department Consent

**Notes:** 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.

**Requirements:** Dean of the School of Liberal Arts, Department Chairperson, and the student's major advisor must approve program prior to semester of internship.

**ENG 399A INTERMEDIATE CREATIVE WRITING: NONFICTION3 Credits**

Intermediate course in creative writing focused on the genre of Creative Nonfiction.

**Essential Studies:** SLO #5

**Prerequisites:** ENG 299 and Sophomore or above status, or permission of instructor

**Notes:** May be repeated for a maximum of six (6) credit hours.

**ENG 399B INTERMEDIATE CREATIVE WRITING: FICTION3 Credits**

Intermediate course in creative writing focused on the genre of Fiction.

**Essential Studies:** SLO #5

**Prerequisites:** ENG 299 and Sophomore or above status, or permission of instructor

**Notes:** May be repeated for a maximum of six (6) credit hours.

**ENG 399C INTERMEDIATE CREATIVE WRITING: POETRY3 Credits**

Intermediate course in creative writing focused on the genre of Poetry.

**Essential Studies:** SLO #5

**Prerequisites:** ENG 299 and Sophomore or above status, or permission of instructor

**Notes:** May be repeated for a maximum of six (6) credit hours.

**ENG 400 INDEPENDENT STUDY OR RESEARCH3 Credits**

Study or research in an area of special interest. Students of senior standing, under the guidance of a professor in their major, may complete a Thesis and Capstone Project in their area of study and present it publicly.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean and Academic Vice President is required.

**ENG 431 TOPICS IN ENGLISH3 Credits**

Special topics in English.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with a change of emphasis.

**ENG 432 SHAKESPEARE3 Credits**

A study of Shakespeare's works (both plays and sonnets), with consideration given to the history of performance.

**Prerequisites:** Junior or above status

**ENG 435 NATIVE AMERICAN LITERATURE3 Credits**

A study of the history, themes, and/or genres of literature produced by and about Native Americans.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**ENG 436 WORLD LITERATURE3 Credits**

A study of representative poetry, drama, fiction, and non-fiction prose selected from global literature. Texts not originally published in the English language will be read in English translation.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**ENG 438 ADOLESCENT LITERATURE3 Credits**

A study of literature written and published for adolescents, with opportunities for critical conversations about the teaching of such literature.

**Prerequisites:** Junior or above status

**ENG 440 THEORY AND PRACTICE OF LITERARY CRITICISM3 Credits**

A study of selected theories that provide the foundations for literary criticism and the application of those theories to specific texts.

**Prerequisites:** Junior or above status

**ENG 441 NOVELS3 Credits**

A study of the novel as a genre and literary criticism focused on reading it as such.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**ENG 442 MAJOR WRITERS3 Credits**

An examination of the works of one or more major writers in literature with consideration of the historical and cultural contexts in which they wrote.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**Notes:** Course may be repeated for up to 9 credit hours.

**ENG 446 CROSS-CULTURAL STUDIES/LITERATURE1-3 Credits**

A study of the cross-cultural differences in literature composed in specific places in historical times. This course examines the impact of cultural factors (historical, religious, social, and political) on the production and interpretation of a work of literature.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**Drop Consent:** Instructor Consent

**Requirements:** This course requires participation in a study abroad program.

**ENG 461 SPECIALIZED METHODS IN ENGLISH LANGUAGE ARTS3 Credits**

The laboratory and lecture course includes instruction, managerial, and curricular pedagogy unique to the endorsement subject area.

**Prerequisites:** EDUC 131, EDUC 300, PSYC 231, SPED 230, SPED 334, and Junior or above status

**ENG 490 RESEARCHING PROFESSIONAL FUTURES3 Credits**

A study of professional options for majors and minors. The course will focus on student-driven research into career and graduate school options, drafting of job or application materials, and interview practice. Will result in the creation of either a thesis or professional portfolio.

**Prerequisites:** Senior status or permission of instructor

**ENG 496 SEMINAR IN POETIC FORMS AND POETICS3 Credits**

Study of the elements of poetic form and theory.

**Prerequisites:** ENG 299 or permission of instructor and junior status or above

**ENG 497 SEMINAR IN NARRATIVE STRATEGIES3 Credits**

Study in the elements of narrative strategies and theory.

**Prerequisites:** ENG 299 or permission of instructor and junior status or above

**ENG 498 ADVANCED TOPICS IN CREATIVE WRITING3 Credits**

Special topics in Advanced Creative Writing.

**Prerequisites:** ENG 299 or permission of instructor and junior status or above

**ENG 499 CREATIVE WRITING CAPSTONE3 Credits**

Capstone course for creative writing students.

**Prerequisites:** Junior or above status

## Family and Consumer Sciences (FCS)

**FCS 122 PERSPECTIVES IN FAMILY AND CONSUMER SCIENCES3 Credits**

The history, philosophy, and professional perspectives of the field of family and consumer sciences. Career exploration and academic planning will be explored. Lecture and discussion, onsite observations with guest lecturers. Current trends or topics and their impact on family consumer sciences fields will be discussed. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future.

**FCS 135 ALTERATION AND CONSTRUCTION TECHNIQUES2 Credits**

Adaptation of commercial patterns as well as custom-fitting techniques for ready-made items are incorporated in this course. The processes of sewing technologies, including selection and use of equipment, patterns, fabrics, notions, and fundamental techniques are utilized. Construction techniques will be applied to apparel and home interior fashions.

Elements and principles of design will be analyzed and applied. Design and construction trends will also be explored. Discussion will occur on current trends or topics and their impact, especially focusing on the future. Natural and man-made fibers, yarns, and methods of fabrication, fabric finishes, and their performances. Legislation, merchandizing, and consumer issues are also investigated.

**Co-requisites:** FCS 135L

**Requirements:** Additional laboratory fees are associated.

**FCS 135L ALTERATIONS AND CONSTRUCTION LABORATORY1 Credit**

Construction techniques will be applied to apparel and home interior fashions. Elements and principles of design will be analyzed and applied. Design and construction trends will be explored. Discussion will occur on current trends or topics and their impact, especially focusing on the future. Laboratory investigation, identification, and analysis of fibers, yarns, fabrics and finishes will be conducted. Experiments, testing, and design of textiles, fibers, yarns, weaving, knitting, and/or finishes are methodologies employed.

**Co-requisites:** FCS 135

**Requirements:** Additional laboratory fees are associated.

**FCS 136 FOOD SCIENCE2 Credits**

This course will explore the science of food by examining the basic chemistry of carbohydrates, proteins and lipids. This course will provide students the opportunity to examine food in scientific terms and test theoretical principles using the scientific method of observation, measurement, recording, reasoning and reporting. In a laboratory setting students will apply their knowledge and skills to observe, measure, record, control and modify the chemical and physical properties of food. Students will examine chemical reactions and key chemical compounds that relate to oxidative and structural changes in food, as well as food quality.

**Essential Studies:** SLO #6

**Co-requisites:** FCS 136L

**FCS 136L FOOD SCIENCE LABORATORY1 Credit**

This course must be taken in conjunction with FCS 136 Food Science. Student will gain lab experience in applying principles of food science.

**Essential Studies:** SLO #6

**Co-requisites:** FCS 136

**Requirements:** Lab fee required for this course.

**FCS 139 HUMAN DEVELOPMENT3 Credits**

Human development from conception through adulthood is analyzed from physiological, cognitive, and socio-emotional perspectives. Emphasis is on wellness throughout the lifespan. A combination of lecture, practical application and observation of the stages of development are incorporated.



**FCS 149 BASIC HEALTH CARE<sup>2</sup> Credits**

This course provides essential knowledge and skills related to basic health care and skills for families and residents/clients of public and private healthcare facilities. Topics will include resident rights, communication, safety, observation, reporting and assisting resident/clients in maintaining basic comfort and safety. Upon completion of the course, students will demonstrate skill competency and take the written/oral examination to meet training requirements of the federal and State of Nebraska law for nursing assistants working in licensed facilities. Lecture and lab.

**Co-requisites:** FCS 149L

**Requirements:** Additional laboratory fees.

**FCS 149L BASIC HEALTH CARE LABORATORY<sup>1</sup> Credit**

This course provides essential knowledge and skills related to basic health care and skills for families and residents/clients of public and private healthcare facilities. Topics will include resident rights, communication, safety, observation, reporting and assisting resident/clients in maintaining basic comfort and safety. Upon completion of the course, students will demonstrate skill competency and take the written/oral examination to meet training requirements of the federal and State of Nebraska law for nursing assistants working in licensed facilities. Lecture and lab.

**Co-requisites:** FCS 149

**Requirements:** Additional laboratory fees.

**FCS 160 SPECIAL TOPICS<sup>1-3</sup> Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**FCS 224 HOUSING AND INTERIOR DESIGN<sup>3</sup> Credits**

Architectural and interior design elements and principles as related to residential and commercial applications including furnishing and finishing materials and treatments. Blueprint reading, floor plan modification and design are explored. Elements and principles of design are incorporated as well as the business of design. Design and construction trends will also be explored. Discussion will occur on current trends or topics and their impact on individuals and families, especially focusing on the future. Natural and man-made fibers, yarns, and methods of fabrication, fabric finishes, and their performances. Legislation, merchandizing, and consumer issues are also investigated.

**FCS 225 ADOLESCENT DEVELOPMENT<sup>3</sup> Credits**

Adolescence covers the span of life between the ages of 11 and 19. Throughout the course, students will gain knowledge and skill in the identification of characteristics, developmental and theoretical principles associated with early, middle and late adolescence. Practical application experiences will provide opportunities for the exploration of content knowledge and understanding associated with the developmental process.

**FCS 233 FAMILIES IN SOCIETY<sup>3</sup> Credits**

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.

**Essential Studies:** SLO #10

**FCS 234 INTRODUCTION TO HEALTH AND HUMAN SERVICES<sup>3</sup> Credits**

Exploration of careers within various health and human services areas. This course provides awareness, information, and competencies necessary to facilitate entry into the health and human services. Topics of study include organizational management, planning service to clients, need analysis, and principles of health and human services.

**FCS 236 FOOD AND MEALS ACROSS THE LIFESPAN<sup>2</sup> Credits**

The primary focus of this course is to combine the science of nutrition and the art of cooking to create healthy foods and meals that satisfy hunger, the palate and the eye. Chemical composition of food, preparation, principles and techniques for the retention of nutrition, appearance, and flavor will also be covered. In our lab sessions, we will apply principles of safety, nutrition, and wellness to enhance individual and family health.

**Co-requisites:** FCS 236L

**Requirements:** Additional laboratory fees associated.

**FCS 236L FOODS & MEALS ACROSS THE LIFESPAN LAB<sup>1</sup> Credit**

The primary focus of this course is to combine the science of nutrition and the art of cooking to create healthy foods and meals that satisfy hunger, the palate and the eye. Chemical composition of food, preparation, principles and techniques for the retention of nutrition, appearance, and flavor will also be covered. In our lab sessions, we will apply principles of safety, nutrition, and wellness to enhance individual and family health. Lecture and lab.

**Co-requisites:** FCS 236

**Requirements:** Additional laboratory fees associated.

**FCS 239 PARTNERS IN EDUCATION<sup>3</sup> Credits**

The content of the course examines theory, principles, methodology and practical techniques for creating optimal working relationships which empower and strengthen partnerships among individuals, families, and communities. Students will gain an understanding of the process involved with establishing natural, inclusive environments effective relationships with schools and community based programs through service-learning and family stories.

**FCS 247 NUTRITION<sup>3</sup> Credits**

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.

**Essential Studies:** SLO #11

**FCS 270 SPECIAL TOPICS<sup>1-3</sup> Credits**

Special topics appropriate for lower division credit. May be repeated with different emphases for up to six hours of credit.

**FCS 314 FUTURE FOCUS<sup>1</sup> Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. This course will cover different trends and topics each year, and will change letters in a four year rotation (314A, 314B . . .).

**Notes:** The course may be repeated for up to a total of four credit hours.

**FCS 314A FUTURE FOCUS<sup>1</sup> Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Sophomore or above status

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D.

**FCS 314B FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students in 314B, juniors 314C, and seniors 314D.

**FCS 314C FUTURE FOCUS1 Credit**

Discussion of current trends or topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Junior or above status

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D.

**FCS 314D FUTURE FOCUS1 Credit**

Using the critical science perspective, discussion of current topics and their impact on individuals and families. Emphasis will be on the process of asking questions and seeking answers from a wide range of perspectives, especially focusing on the future. Upper-class students will be expected and encouraged to assume leadership roles in class discussions.

**Prerequisites:** Senior status

**Notes:** May be repeated for up to a total of four hours credit; first year students will enroll in 314A, second year students 314B, juniors 314C, and seniors 314D.

**FCS 320 AGING AND DEATH3 Credits**

The life cycle as related to aging, the dying process, aging theories, and the psychological, social, and economic dimensions of bereavement are examined in this course of study. Emphasis will be placed on the economic and social needs of individuals involved with an aging and dying person. A service learning project is incorporated in the design of this course.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**FCS 321A CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD EDUCATION2 Credits**

Students will examine a variety of curriculum models and lesson plan formats and that support best practices for meeting the developmental needs of children birth to age 8, in natural, inclusive environments. Throughout the course, students will have the opportunity to apply skills in planning, organizing and developing activities, integrated into daily and weekly lesson plans and philosophical foundations will guide students as they weave knowledge base content into practical application exercises associated with early childhood environments.

**Prerequisites:** Sophomore or above status

**FCS 331 RESOURCE MANAGEMENT3 Credits**

This course involves the application of decision-making processes for planning, implementing, and evaluating the use of resources to meet individual and family goals throughout the lifespan. Time, energy, money and human capital will all be analyzed throughout the course. Resources to be addressed include selection, use, care and maintenance of equipment, clothing and housing. Wellness and quality of life issues will be considered.

**Prerequisites:** Sophomore or above status

**FCS 337 GUIDANCE TECHNIQUES IN HUMAN RELATIONS3 Credits**

Throughout this course, student will examine the strategies, principles and techniques for understanding the outcomes with effective conflict resolution and positive guidance. The content of the course will focus on identifying common behaviors, teaching social-emotional skills, examining positive guidance approaches, and developing the skills to support self-control and self-discipline in building human relations. Students will be actively engaged in field experiences developing observation skills and demonstrating best practices for the process of effectively assessing and managing behavior.

**FCS 338 PRENATAL AND INFANT PRACTICUM3 Credits**

Students will learn to utilize research methods for understanding the social, emotional, intellectual/cognitive, language, and physical development of infants and toddlers between the ages of 0 and 3, including pregnancy. Theoretical concepts, developmental ages and stages, appropriate practices and competencies for developing the necessary skills to actively engage in the growth and development process of infants and toddlers. Students will be actively engaged in practicum experiences that integrate content knowledge, skills and competencies through observation and practical laboratory experiences. Students must complete a minimum of 30 contact hours working with infants and toddlers for successful completion in the course.

**FCS 340L CURRENT TRENDS IN DESIGN1-3 Credits**

Design and construction trends will be explored in this laboratory course. The trend will be determined by the interest expressed by students as well as the commercial emphasis in the design field.

**Prerequisites:** Sophomore or above status

**Notes:** Students may enroll for 1 to 3 credits repeatable for up to 6 credit hours.

**Requirements:** This lab course will have an additional laboratory fee.

**FCS 390 INTERNSHIP IN FCS1-12 Credits**

Provides practical experience in an agency related to Family and Consumer Sciences.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Selected problems of interest to advanced students.

**Add Consent:** Instructor Consent

**Requirements:** Consent of the instructor, Academic Dean of the school, and Academic Vice President.

**FCS 417 LIFESPAN WELLNESS3 Credits**

Students will discuss current health issues and incorporate wellness practices that lead to positive personal changes in health and wellness lifestyle as well as understand the importance of a healthy lifestyle throughout the lifespan. Examination of health, history, medications, culture, ages, lifestyles, predisposed health conditions, injury/physical challenges, and the individual's goals/objectives. Students will use wellness models and developmental models as a basis for learning skills and strategies which promote a lifetime of wellness. Emphasis is on empowering students to work with individuals across the lifespan (birth through old age) in promoting optimal wellness choices.

**Essential Studies:** SLO #11

**Prerequisites:** Junior or above status

**FCS 420 LOSS ACROSS THE LIFESPAN3 Credits**

A study of the "losses" experienced by individuals and families throughout the course of life. This includes the loss of things, relationships, physical function, as well as intrapsychic loss, social loss and systemic loss. Losses and the interpretation of the effects of loss change as we progress through the life cycle. We will focus on loss and grief as it happens through life.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**Dual-listed:** FCS 520

**Notes:** The course is dual-listed with FCS 520. Essential Studies Outcome #10.

**FCS 421 ORGANIZATION, ADMINISTRATION, AND CURRICULUM OF FCS2 Credits**

An investigation into Family and Consumer Sciences departmental management and funding, community activities and relations, youth organizations, and facility/equipment maintenance. Curriculum materials will be developed.

**FCS 422 PROFESSIONAL CAREER DEVELOPMENT3 Credits**

The course will provide students an opportunity to prepare for a Professional Career using research, application and demonstration of intellectual and practical skills. Students will demonstrate an understanding of knowledge, theory, methods and historical perspectives associated with a Career and employment through application exercises. A requirement for successful completion of the capstone course is to develop and present a professional portfolio inclusive of evidence that demonstrates an ability for self-reflective, critical and creative thinking.

**Essential Studies:** SLO #12

**Prerequisites:** Junior or above status

**FCS 423 PROGRAM DEVELOPMENT AND MANAGEMENT3 Credits**

A study of the process involved with developing and managing program operations including development of policies and procedures, funding, grant writing, organization of personnel, menu planning, assessment, marketing, technology, community relations, and family partnerships. Integrates basic principles, strategies, knowledge, and skills necessary for developing, managing and administering successful programs/organizations from pre-planning to final operation.

**Prerequisites:** Junior or above status

**FCS 427 WORKSITE WELLNESS3 Credits**

This course covers the assessment, development/design, implementation and evaluation of worksite health promotion programs and the benefits these programs have for employees, their families, employers and society. Students will review various health risk appraisals and plan theory-based incentive programs designed to promote positive lifestyles. Students will learn how to facilitate implementation and evaluation of wellness programs for individuals and worksite locations. An examination of the physical and psychological factors that affect health throughout the life cycle will be made by applying fundamental knowledge and skills of designing, planning and evaluating a basic workplace wellness programs. Students will also conduct and report on a workplace needs assessment and prepare a proposal to implement a sustainable, comprehensive and integrated workplace health and wellness program.

**Essential Studies:** SLO #9

**FCS 434 ISSUES IN HEALTH AND HUMAN SERVICES3 Credits**

Provides an opportunity to concentrate on current issues in the health and human services field including policies, programs, funding, consumer rights, and administrative issues. Significant emphasis is placed on effective grantsmanship, including writing and administering grant proposals.

**FCS 435 CONSUMER SCIENCE3 Credits**

Goods and services available to the individual and/or family including information analysis, consumer communication skills, commodity exchanges and merchandise standardization are analyzed to maximize financial wellness across the lifespan.

**Prerequisites:** Junior or above status

**FCS 436 GLOBAL FOOD SYSTEMS3 Credits**

Analysis of various world-wide food patterns and associated health status as well as food production and distribution patterns around the world. Understanding and appreciation of the international perspective will be approached with critical thinking strategies. Comprehensive presentations and discussions about policies and current practices for a sustainable global food system, with a focus on developing countries included. Topics include economic policy related to nutrition, health, consumption, production, natural resource management, trade, markets, gender roles, armed conflict, and ethics. Social entrepreneurship approach, case studies as well as active participation by students will be used.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**FCS 437 FAMILY STRENGTHS3 Credits**

This is an advanced study in the dynamics of successful family relationships. Investigation into the attributes of vital families which contribute toward the resolution of stressors in meaningful and positive ways. Lecture, discussion, and case study.

**Prerequisites:** Junior or above status

**FCS 440 SPECIAL TOPICS IN FAMILY AND CONSUMER SCIENCES1-6 Credits**

Contemporary concepts and issues in Family and Consumer Sciences as well as attendance and participation in conferences and leadership development opportunities.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with different emphases for up to six course credits.

**FCS 447 NUTRITION FOR SPORT & WELLNESS3 Credits**

A study of the nutrients and their relationship to sport and wellness. Special nutritional and training needs of athletes and all individuals who are physically active will be addressed. Major topics include the function and sources of each of the nutrients; fueling for pre-exercise, during exercise and after exercise; specific meal planning, nutrient needs for specific athletes and wellness lifestyles; and more.

**Prerequisites:** Junior or above status

**FCS 448 EARLY CHILDHOOD PRACTICUM3 Credits**

An association and application of principles, theory, philosophy, methodology, structure, function, and operation of programs for young children. The course includes practical application of knowledge base principles and best practice in the development and implementation of daily and weekly unit plans, menus, environmental design and emergent curriculum for coordination of a total program. The course requires practicum time with children in laboratory a qualified early childhood setting.

**FCS 448L EARLY CHILDHOOD PRACTICUM LABORATORY1 Credit**

Practicum field experience in a qualified early childhood environment under the supervision of a highly qualified educator. Additional fees will be assessed.

**Prerequisites:** Junior or above status

**Co-requisites:** FCS 448

**FCS 457 NUTRITION FOR COMMUNITY WELLNESS3 Credits**

An evidence-based study of the science of nutrition and its relationship to improving public health. Focus will be on the campus-community based approach to improving health. Special emphasis will be on the relationship between nutritional epidemiology and research, policies, and programs regarding prevention and treatment as well as lifestyle and hereditary diseases.

**FCS 467 EPIDEMIOLOGY AND GLOBAL HEALTH3 Credits**

This course will provide a comprehensive understanding of sources of population data in terms of morbidity, mortality, and other vital statistics. Scientific methods for approaching population data and identifying public health problems and empirical analysis of data will be emphasized. This course will provide a purposeful and applicable sense of citizenship and civic mindedness by developing a comprehensive understanding of one's personal and social responsibility in the ethical application and advocacy of public health; locally, nationally, and globally. Critical evaluation of medical and public health literature is included.

**Essential Studies:** SLO #9

**Prerequisites:** Junior or above status

## Finance (FIN)

**FIN 160 TOPICS IN FINANCE1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in finance.

**FIN 239 PERSONAL FINANCE3 Credits**

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.

**Essential Studies:** SLO #10

**FIN 242 REAL ESTATE PRINCIPLES3 Credits**

Examines practical applications of real estate principles. Includes a study of titles, estates, land descriptions, contracts, legal instruments and concepts, real estate mathematics, financing, agency, appraisal, fair housing, and management of real estate.

**FIN 330 PRINCIPLES OF FINANCE3 Credits**

An introductory course emphasizing the basic financial principles and practices essential to managing a business. Among the topics introduced are the time value of money, working capital management, financial analysis, financial planning, cash-flow analysis, operating and financial leverage, capital budgeting, long-term financing, cost of capital, and capital structure.

**Prerequisites:** ACTG 241 and ECON 232

**FIN 331 FINANCIAL MARKETS AND INSTITUTIONS3 Credits**

Inquiry into, and analysis of, the various financial markets and institutions (including debt, derivatives, equity, insurance, government-based and foreign financial markets) operating in the U.S. and the international economy. Emphasis is placed on providing the analytical tools needed to assess financial institution and market response to microeconomic and macroeconomic factors.

**Prerequisites:** FIN 330, department's mathematics requirement, and Sophomore or above status

**FIN 332 INTERNATIONAL FINANCE AND ECONOMICS3 Credits**

The development, understanding and application of basic economic concepts and theories related to international economics, global trade and variations between and among countries and their cultures. Will deal with different types of economic and political systems, types of markets, exchange rates, trade policies, trade agreements, and the economic and political reasons and impacts of globalization.

**Prerequisites:** Sophomore or above status

**FIN 333 INTERNATIONAL FINANCE AND ECONOMICS3 Credits**

The development, understanding, and application of basic economic concepts and theories related to international economics, global trade, and variations between and among countries and their cultures. Will deal with different types of economic and political systems, types of markets, exchange rates, trade policies, trade agreements, and the economic and political reasons and impacts of globalization.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**FIN 338 REAL ESTATE INVESTMENTS AND INSURANCE3 Credits**

This course combines the basic principles of real estate and insurance. Topics include: how to read an insurance and real estate contract, purchasing and financing a home or business and securing property, liability, automobile, life and health insurance. In addition various career paths are discussed.

**Prerequisites:** Sophomore or above status

**FIN 432 FINANCIAL MANAGEMENT3 Credits**

Examines various structures and operations of financial management of the firm including the sources and methods of financing, capital structure, dividend policy, leasing, mergers and acquisitions, working capital management, effects of taxation on financial decisions and international aspects of finance.

**Prerequisites:** BA 336, FIN 330, and Junior or above status

**FIN 439 INVESTMENT ANALYSIS3 Credits**

Provides an understanding of active portfolio evaluation and management, including the following: the investment environment, portfolio theory, capital asset pricing model and arbitrage pricing theory, fixed-income securities, equities, and derivatives.

**Prerequisites:** FIN 330 and Junior or above status

**FIN 460 TOPICS IN FINANCE1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in finance.

## First Year Inquiry (FYI)

**FYI 169A HEALTH CARE I: A CHOICE OR A RIGHT3 Credits**

Study of health care from multiple perspectives, including those of the patient, the practitioner and the policy-maker. This first course in the two-course sequence will focus on health care delivery systems. Students will consider issues of access, affordability and quality in the delivery of health care. They will also consider the ethical dimensions of health care choices. To explore these issues in depth, and to develop critical thinking, information literacy and inquiry skills, students will engage in an in depth and collaborative investigation of particular health care issues.

**Essential Studies:** SLO #1

**Co-requisites:** FYI 169R

**Drop Consent:** Department Consent

**FYI 169AA HOME ON THE RANGE6 Credits**

The course will be divided into three thematic units, all focusing on the relations and interactions between organisms and their environment, with an emphasis on human ecology, as explore and expressed through disciplines in both the arts (writing, film, the visual and performing arts, etc.) and the sciences (especially in the arena of agriculture and rangeland management). Wherever possible, emphasis will be placed on examples from the Great Plains Region and close to home. The three thematic units include: The Land (rangeland ecology); The Homestead (animal science and livestock management); and The Wilderness (hunting, recreation and wildlife management).

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AB LEARNING TO SERVE3 Credits**

Our inquiry will focus on experiential learning that engages in service opportunities within our community as an integral part of our course. According to a recent study, "Service-learning enhances a 'traditional learning' course by allowing students the opportunity to link theory with practice, apply classroom learning to real-life situations, and provide students with a deeper understanding of course content" and that "service-learning may strengthen students' sense of civic responsibility as well as aiding them in dispelling any stereotypes they may hold regarding the population in which they are interacting." Students in such courses benefit from increased awareness of career options to which they might apply their learning, reinforcement of career choices, greater civic responsibility and commitment to service, enhanced critical thinking, communication skills, leadership, awareness of social responsibility and respect for cultural diversity.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AC THE 20TH CENTURY AMERICAN ROAD6 Credits**

This course examines the history of the American highway in the twentieth century—how highways came to be and what consequences they had for American history, literature and film. The road has been the means by which the western frontier has been expanded; it has also been the locus of escape, exile, dispossession and self-discovery. The road, both actual and imagined, has created a body of literature and film that is distinctly American.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AD FOOTBALL, AMERICAN STYLE6 Credits**

The purpose of this course is to use the phenomenon of American football as a lens through which to examine issues in American culture, as well as to use methods and practices of inquiry associated with Literary, Gender, Film, and Cultural Studies as a means of examining American football. In order to engage in an interdisciplinary and multi-modal exploration of American football in Fiction, Non-fiction, and Film, students will:

\*Examine the literary character of short stories and novels in which American football provides the setting, themes, and/or plotlines;

\*Examine the relationship between American culture and American football, esp. in journalistic and other non-fiction writing, and in documentaries; \*Examine issues of gender (esp. masculinity), race, poverty, and education as they relate to high school., college, and pro football; \*Use writing as a tool for reflection and analysis regarding intersections of American culture and American football.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AE HAPPINESS6 Credits**

Everyone wants to be happy. But what is happiness? How do we achieve happiness? Humans have been wrestling with these questions for millennia, from Greek philosophers to modern psychologists to fiction writers to filmmakers. In this course, we will be joining this discussion. We will be examining and practicing various accounts of what happiness is and how best we can achieve it.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AF STUDY THE WORLD3 Credits**

As our world becomes increasingly more accessible and interconnected, and as Chadron State College continues to increase its international component, the need for our students to understand international affairs, to recognize and accept cultural values of other nationalities, and to view world events from other viewpoints has become increasingly necessary. Students will be exposed to basic world geography, languages, international politics and conflict, global economics, cultural histories, environmental and agricultural issues, social justice issues, and sustainable development. The students in this FYI will meet international students and faculty, research other countries and cultures, and learn about and how to plan for study abroad opportunities, internships, and career opportunities. This class should prepare students for a senior capstone study abroad/away experience.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AG ANALYZING ADOLESCENCE3 Credits**

Adolescence spans the years from eleven to nineteen, a time of dramatic physical, emotional, and intellectual changes. Early, middle and late adolescent development is a unique time of life as puberty, changing gender roles, and more autonomous relationships with parents and peers grow and develop. Adolescent development will be explored from a variety of interdisciplinary perspectives.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AH FASHIONOMICS3 Credits**

A study of the historic, political, economic, psychological, and social influences of fashion in the global community. Critical thinking and practical reasoning skills will be incorporated with the inquiry process to develop informed, conscientious consumer decisions.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AI RELATIONSHIPS 2.03 Credits**

Human relationships in the 21st century will be explored in all dimensions: Social and familial, biological and physical, cognitive and psychological. Development of positive interpersonal relationships, improved communication skills, personal sexual health awareness, responsible decision-making and critical thinking skills will be the focus of this study.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169AJ INTO THE MARTIAL ARTS6 Credits**

Students will explore the martial arts through study of their history, culture, and literature, and through practice of one or more of the martial arts. Students will need to purchase a uniform or provide their own, including a beginner's white belt. Belt advancement will be recognized with certificates unless students wish to purchase the appropriate belt.

**Essential Studies:** SLO #1

**FYI 169AK TOPICS IN FIRST YEAR INQUIRY3-6 Credits**

Each section of this course will focus upon an interdisciplinary issue or theme that students will engage collaboratively and respond to through critical inquiry and creative problem solving.

**Essential Studies:** SLO #1

**Notes:** Each FYI course must be approved by the Essential Studies Program Committee.

**FYI 169AL MATTERS OF OPINION3 Credits**

Opinions-we all have them. They vary widely on many topics and issues. But how do we form them and how well do we express them? Our opinions say a lot about who we are and what we stand for. In this course, we will explore the critical thinking skills necessary to develop informed opinions. In honestly evaluating our beliefs and those of others, we will also be on the lookout for the emergence of surprising and unexpected insights for it is in the examination of these new insights that we reaffirm current opinions or begin to shape new ones. Students will develop skills to enhance critical thinking and communication by engaging in such activities as reading and writing opinion columns, documentary film reviews, and social problems perspectives. Students will also read, listen to, write, and record personal philosophy essays for submission to National Public Radio.

**Essential Studies:** SLO #1

**FYI 169AM ZOMBIEPOCALYPSE; ZOMBIES IN POPULAR CULTURE3 Credits**

This course will explore zombies in popular culture and address a broad range of zombie representations: race, gender, war, the other democracy, wealth inequality, family, loss and trauma and the pleasure of consumption. The course will incorporate readings from a variety of disciplines: media studies, political economy, film studies, consumer culture, and philosophy. Students will produce critical essays and a group project presentation.

**Essential Studies:** SLO #1

**FYI 169AN GAZE ANATOMY: GENDER, RACE, SEXUALITY AND CLASS IN MEDIA3 Credits**

This course is designed to teach students to be literate consumers of media in its multiple forms. The course situates media in the capitalist economic system and provides students with techniques of interpretation and analysis of media texts and practices. Students will analyze various media content through group discussions, exercises and essays that will culminate in the production of a digital media critique.

**Essential Studies:** SLO #1

**FYI 169AO MUSIC AND THE MIND3 Credits**

Music is omnipresent in film, television, and advertisements. Artists, cinematographers, and advertisers all use music to influence their target audience. This course examines the fundamentals of music, the psychology of music, and how music is used and manipulated to illicit an emotional response in the listener. Your Brain on Music explores the psychology of music and the connection between music and the human brain. This course culminates with a project combining music and images.

**Essential Studies:** SLO #1

**FYI 169AP HOW TO READ A FILM3 Credits**

In this course we will view, discuss, and write about a wide variety of films; we will also read about characteristics of the film medium and see how they apply to films studied in the course. The course is designed, as James Monaco writes of film study, to help us become "more sophisticated, creative, or sensitive participants in the [film] process.

**Essential Studies:** SLO #1

**FYI 169AQ HOW TO LEARN ANYTHING6 Credits**

Students will examine diverse disciplinary contributions to an understanding of learning as an art of engaging the world creatively.

**Essential Studies:** SLO #1

**FYI 169AR HUMANS AND ANIMALS: FRIENDS OR FOES?3 Credits**

This course investigates the relationship of humans and animals by examining the role animals play in human society and culture, and the interactions humans have with animals. Students will examine these relationships through the lens of the emerging interdisciplinary field of human-animal studies which comprises work in social sciences (sociology, anthropology, psychology, political science), humanities (history, literary criticism, philosophy, geography), and the natural sciences (ethology, veterinary medicine, animal welfare science, and comparative psychology), as well as the fields of wildlife management and agriculture.

**Essential Studies:** SLO #1

**FYI 169AS THEATRE AS A COLLABORATIVE ART FORM3 Credits**

This course uses the creative process of Theatre to study and research collaborative techniques. A successful Theatre performance depends on strong collaboration between all elements of Theatre. These elements include Playwriting, Acting, Directing, Visual Design Elements (Scenery, Lighting, Costume, Sound) and Audience.

**Essential Studies:** SLO #1

**FYI 169AT HEALTHY SKEPTICISM3 Credits**

This course will emphasize principles of skeptical inquiry and scientific reasoning to prepare students to critically analyze promotional claims made in the health marketplace for products, services, and practices. The course is designed to help students distinguish health-related fact from fiction and to spot health-related schemes, scams, superstitions, sensationalism, fads, fallacies, frauds, quackery and general bunk. Students will engage in critical thinking, critical inquiry, and creative problem solving as they learn and discuss how consumers can improve the value and validity of their health-related expenditures.

**Essential Studies:** SLO #1

**FYI 169AU ANCIENT MONUMENTS3 Credits**

In this course, we will examine a variety of stone monuments around the globe. We will delve into how they were constructed, where the rocks were quarried, how people moved these huge pieces of rock across the landscape with no engines, and how they have been reconstructed by archaeologists. We will critically assess how these monumental works have been interpreted through time and how they are portrayed today in popular media. Each week we will discuss a region of the planet and cover a well-known monument as well as those that are lesser known. We will cover pyramids, obelisks, walls, forts, and more. This course will culminate with students picking a monument or structure and researching the materials used and techniques for its construction as well as our current understanding of its purpose.

**Essential Studies:** SLO #1

**FYI 169AV VULCANS AND VOLCANOLOGY3 Credits**

In this course, you will critically assess how geology is portrayed in media. We will watch examples from pop culture and discuss the accuracy (or inaccuracy) of the geology shown. You will explore the connections between geological processes as they occur in nature and how they are related via media. This course will culminate with students picking a piece of media and analyzing it for accuracy in its representation of a geological event.

**Essential Studies:** SLO #1

**FYI 169B ENEMY MINE: THE EXTREME OTHER<sup>6</sup> Credits**

Explores the construction of "enemy" in different levels of human consciousness and existence. We intend to generate critical thinking and problem solving skills among students as they explore the concept of "enemy" as represented in selective fields of philosophy, religion, political science, literature, art, and media.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169C THE NATION AND THE GLOBE<sup>6</sup> Credits**

Investigates into the historic development of the nation and analyzes its role in the international realm. This course evaluates the interconnectivity of the world and specifically contextualizes the role of the nation under modern globalization. The course takes an interdisciplinary approach to understanding both the historical antecedents and the current problems of the relationship between the nation and the globe.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169D MONSTERS AND MAGIC<sup>6</sup> Credits**

The purpose of this course is to examine our culture's fascination with monsters and magic in film, TV, literature, and other mediums of entertainment, using methods and practices of inquiry from literary, gender, film, and race studies.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169E ENVIRONMENTAL POLICY: BEYOND THE SOUND BITES<sup>6</sup> Credits**

For some years there has been a public debate about concerns for the environment. Terms like "Global Warming", and more recently, "Climate Change", reflect that debate. However, too often the science associated with environmental concerns is lost amidst the rhetoric of public political discourse, and, subsequently, environmental policy has been shaped more by political rhetoric than by science. The purpose of this course is to investigate both the rhetoric of public debate about environmental policy and the science of environmental concerns.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169F A POX ON YOU: THE BIOLOGICAL, LEGAL AND SOCIAL CONSEQUENCES OF INFECTIOUS DISEASES<sup>6</sup> Credits**

Exploration of the dynamics of an infectious disease outbreak, the various societal responses, and the resulting tension between individual rights and public health, safety and welfare. Topics include: cause of epidemics, government preparedness, public health laws, use of quarantines and vaccinations, medical privacy, control of antibiotic resistant organisms, and dangers posed by bioterrorism/bioweapons.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169H MATHLETICS: NOT FOR SPECTATORS<sup>6</sup> Credits**

Discussion of various sports and the relationships of the sports to exercise science and mathematics. We will explore how the body works when hitting a baseball, hitting a golf ball, playing billiards, shooting a basketball, and playing tennis. From this, we will integrate mathematics through the use of statistics, geometry, and trigonometry. Students will be asked to participate in various aspects of each of the above named activities.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169I WE ARE WHAT WE EAT<sup>3</sup> Credits**

Investigation of the multiple inputs that make up the contemporary food system. This is not primarily a study of the nutritional aspects of food, but examines the production and consumption of food more broadly. Students working as permanent teams will develop questions and investigate issues important to them.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169J THE HIDDEN LIFE OF EVERYDAY THINGS<sup>3</sup> Credits**

Investigation of the infrastructural aspects of everyday life that exist largely unnoticed. Students working as permanent teams will develop questions and investigate issues important to them within the course.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169K A BETTER YOU-THROUGH FINANCIAL AND PHYSICAL HEALTH<sup>6</sup> Credits**

This course aims to give students the needed foundation for both a physical and financially healthy life by addressing the components of each and how they are interrelated.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169MU OPENING PANDORA'S MUSIC BOX<sup>3</sup> Credits**

Music is universal to world cultures, and music can act as a language. However music is not a universal language. How is music produced? What are the fundamental components? What is common to different cultures? Opening Pandora's Music Box explores the physiology and cultural aspects of creating music. Students will explore the motivation for the creation and appreciation of music. The course culminates with a project creating new sounds.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169N VIRTUE AND THE WARRIOR SPIRIT<sup>6</sup> Credits**

In this course, we will inquire about the nature of "warrior spirit," with an emphasis on the virtues of courage, loyalty, and duty traditionally associated with military service. We will also explore viewpoints that question the value of a "warrior spirit."

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169O 10,000 B.C., GREAT PLAINS, NORTH AMERICA: HUMAN SURVIVAL AND THE ENVIRONMENT<sup>6</sup> Credits**

Examination of the challenges of answering questions about prehistoric people's adaptation to a changing environment through the application of historical and earth science tools and techniques. Ultimately, you will explore the dynamics of communicating scientific information in the form of natural and cultural history with the public.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169Q PRIVATE PARTS: THE PSYCHOSOCIAL AND BIOLOGICAL ASPECTS OF SEXUALITY<sup>6</sup> Credits**

Various aspects of human sexuality will be examined from a biological, socio-cultural, and psychological viewpoint. Students will engage in critical and analytical thinking regarding sexual culture and its implications. The course will be delivered in a blended format with participation in online forums, online blogs, and on-campus class time.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169R HEALTH CARE II: A CHOICE OR A RIGHT3 Credits**

Students will study health care from multiple perspectives, including those of the patient, the practitioner and the policy-maker. This second course in the two-course sequence will focus on policy issues that arise from problems identified during the study of health care as a social and economic activity. Students will explore issues of access, affordability and quality in the delivery of health care, and consider how government policy might best address these issues. They will also consider the ethical dimensions of public policy health care choices. To explore these issues in depth, and to develop critical thinking, information literacy and inquiry skills, students will engage in an in depth and collaborative investigation of particular health care issues.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169U STUDY OF NATURAL DISASTERS3 Credits**

Students will choose a natural disaster and make a detailed study. The study will include understanding the cause of the disaster, computing social, physical and economic costs, and finding techniques for prevention and/or preparation for future events.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169V NUTRITION, WEIGHT LOSS AND WELLNESS3 Credits**

A recurring issue in American life is overweight and obesity. This course provides the opportunity for you (students) to inquire and come to conclusions about weight loss methods and diets (weight management), based on the science of nutrition and the theme of wellness. Whether you desire to lose weight, or you want to work with others in resolving their weight issues and maximizing wellness, this course may be for you! This course will help you unlock the mysteries of nutrition, weight, and wellness.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169VG VIDEO GAMES: INTERACTIVE MEDIA & SOCIETY3 Credits**

An examination of video games' emergence in the second half of the 20th century as a unique media format, with significant social and cultural effects. Includes collaborative exploration of a specific problem or issue within the broader topic of video games. In addition, students will choose a single video game from any genre or platform (arcade, home console, PC, mobile) to present in detail to the class, before arguing the game's significance in an analytical essay which applies various disciplinary methods and knowledge.

**Essential Studies:** SLO #1

**FYI 169W LITERATURE AND PRACTICE OF WORLD RELIGIONS6 Credits**

This course is designed to introduce students to the practice of inquiry through various modes of exploring six of the world's religions. In order to engage in an interdisciplinary and multi-modal exploration of world religions through the following activities, students will read and analyze primary literature of those religions as literature, and especially as religious literature; to the degree possible in such a context, understand those religions through their rituals and practices; and write reflectively about their experiences exploring these religions through their literature and practices.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169X SURVIVAL SKILLS 1013 Credits**

A common theory studied in developmental courses is Abraham Maslow's Hierarchy of Basic Needs. This course is a study of Maslow's theory as it applies to the traditional college age student. From the basic needs of food, clothing, and shelter, to the higher needs of esteem and self-actualization, this course asks students to discover the methods and means of making considered choices, regarding basic needs.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169Y PLANTS, BEVERAGES-HUMAN HISTORY3 Credits**

The interaction of mankind and plant-derived products will be explored in a critical inquiry of conditions and issues of cultivation, harvesting, and preparation; religious and medicinal use; trade and economics; and social and societal consequences.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

**FYI 169Z FORGIVENESS3 Credits**

Humans are social creatures. We live our lives in community with others. We are also imperfect creatures. We continually make mistakes, and these mistakes often bring harm to other humans within our communities, thereby damaging those social relationships on which we depend. As a result, we engage in various practices aimed at repairing this damage. One of these reparative practices is the practice of forgiveness. In this class, we will examine this human practice of forgiveness from a variety of different perspectives: psychology, religion, politics, and philosophy. We will consider questions about the value of forgiveness and the challenges of forgiving.

**Essential Studies:** SLO #1

**Drop Consent:** Department Consent

## Geography (GEOG)

**GEOG 231 PHYSICAL GEOGRAPHY3 Credits**

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.

**GEOG 232 CULTURAL GEOGRAPHY3 Credits**

Geographical relationships and interactions of cultural, social, economic, ethnic, and political phenomena. Topical approach to population sub-groups, migration, religions, languages, urban and rural settlements, and other attributes of the cultural landscape.

## Geoscience (GEOS)

**GEOS 110 CAREERS IN SCIENCE1 Credit**

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 129 PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHER3 Credits**

A laboratory oriented course intended to strengthen the physical science background of the elementary and middle grades teacher.

**Essential Studies:** SLO #6



**GEOS 130 EARTH SCIENCE3 Credits**

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.

**Essential Studies:** SLO #6

**Notes:** Credit cannot be applied toward an earth science subject endorsement, physical science major, or any geoscience minor.

**GEOS 132 NATURAL HAZARDS AND DISASTERS3 Credits**

The cause and effects of natural disasters can be understood using an Earth system science approach. Science and technology are limited in their ability to predict disasters. Recognizing these limitations, students will explore the roles of individuals in broader societal issues relating to disaster preparedness, damage and cost mitigation as they relate to natural hazards.

**Essential Studies:** SLO #6

**GEOS 135 PHYSICAL SCIENCE3 Credits**

An integrated course in physical sciences including astronomy, earth science, geology, physics and chemistry.

**Essential Studies:** SLO #6

**GEOS 137 ENVIRONMENTAL GEOLOGY3 Credits**

Considers effects of human interaction with the physical environment, both in terms of natural phenomena such as earthquakes and floods, which effect human lives, and resource use, in which humans change their environment. One or more field trips will be required.

**Essential Studies:** SLO #6

**GEOS 138 ASTRONOMY2 Credits**

A descriptive study of the solar system, stars, and galactic systems, including theories of the origin of the universe and the solar system.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 138L

**GEOS 138L ASTRONOMY LABORATORY1 Credit**

Laboratory experience in astronomy. Held in the evening either outdoors or in the planetarium.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 138

**GEOS 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**GEOS 210 PLANETARY GEOLOGY3 Credits**

Planetary Geology consists of three, (one) hour lectures per week. The course provides a process oriented examination of the geological features associated with the planets of the Solar System, their satellites, and the Sun. and an examination of "Earth-like" planets and moons.

**Essential Studies:** SLO #6

**GEOS 231 PHYSICAL GEOLOGY3 Credits**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 231L

**GEOS 231L PHYSICAL GEOLOGY LABORATORY1 Credit**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 231

**GEOS 234 EARTH SYSTEM HISTORY3 Credits**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 234L

**GEOS 234L EARTH SYSTEM HISTORY LABORATORY1 Credit**

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.

**Essential Studies:** SLO #6

**Co-requisites:** GEOS 234

**GEOS 246 GEOLOGY FIELD CAMP I3 Credits**

The online part of this course introduces workplace health, safety, environmental impacts and regulations, professionalism and ethics, and quality assurance/quality control in data collection. The field portion will build observation and interpretation skills and introduce technical aspects of field mapping, stratigraphic interpretation and structural analysis. Students will prepare field notes, maps, stratigraphic charts, cross sections, and reports while interacting with geological problems in the Great Plains and Rocky Mountains.

**Prerequisites:** GEOS 231, GEOS 231L, GEOS 234, GEOS 234L

**Notes:** Taught concurrently with GEOS 346.

**Requirements:** Additional course fee required.

**GEOS 270 TOPICS IN GEOSCIENCE1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**GEOS 310 CAPSTONE I: RESEARCH SEMINAR1 Credit**

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.

**Prerequisites:** Sophomore or above status

**Notes:** Normally taken during the student's Junior year.

**GEOS 312 PLANETARY GEOLOGY FOR EDUCATORS3 Credits**

This course will provide an overview of planetary geology, which will include a discussion on the Solar System, our understanding of the physical compositions of other planetary bodies, a look at the Earth and its unique atmosphere, the atmospheres of other planets in our system, and small bodies present in the Solar System. Students will learn about the geological techniques employed to learn about other planets and moons as well as the technology used to investigate space.

**Co-requisites:** GEOS 312L

**GEOS 312L PLANETARY GEOLOGY FOR EDUCATORS LABORATORY1 Credit**

This course will provide an overview of planetary geology, which will include a discussion on the Solar System, our understanding of the physical compositions of other planetary bodies, a look at the Earth and its unique atmosphere, the atmospheres of other planets in our system, and small bodies present in the Solar System. Students will learn about the geological techniques employed to learn about other planets and moons as well as the technology used to investigate space.

**Co-requisites:** GEOS 312

**GEOS 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**GEOS 321 INTRODUCTION TO GPS1 Credit**

Principles and applications of global positioning system. Emphasis is on mapping and other uses applied to geoscience field problems. Field trips may be required.

**Prerequisites:** Sophomore or above status

**GEOS 322 INTRODUCTION TO GIS3 Credits**

Principles and applications of geographic information systems with emphasis on Arcview\* software. Students will address solutions to real-world problems using Geographic Information Systems.

**Prerequisites:** Sophomore or above status

**Notes:** Field trips may be required; recommended prerequisite: GEOS 321. \* Registered Trademark

**GEOS 325 ENERGY AND THE ENVIRONMENT3 Credits**

A deep survey of the science and technology behind fossil fuels, nuclear, and renewable energy sources. Participants will research the origins of energy resources and the technologies that put them to use. The class will develop a code of energy ethics.

**Essential Studies:** SLO #9

**Prerequisites:** Junior status and permission of instructor

**Add Consent:** Instructor Consent

**Notes:** Students will produce a personal project documenting achievement of Essential Studies outcome 9. If that outcome is already satisfied, students may petition to get credit for Essential Studies outcome 6.

**GEOS 334 METEOROLOGY3 Credits**

The physical behavior of the atmosphere including the causes of weather and the elements of forecasting.

**Essential Studies:** SLO #6

**Prerequisites:** Sophomore or above status

**GEOS 337 PALEONTOLOGY3 Credits**

A systematic survey of invertebrate phyla and vertebrate classes most important in the fossil record.

**GEOS 337L PALEONTOLOGY LABORATORY1 Credit**

Examination of fossil invertebrates and vertebrates in laboratory and field.

**Prerequisites:** Sophomore or above status

**Co-requisites:** GEOS 337

**GEOS 338 ROCKS AND MINERALS3 Credits**

Introduction to mineralogy, and optical mineralogy in the context of rocks and interpretation of rock-forming environments. Possibly one or more field trips required.

**Prerequisites:** GEOS 231, GEOS 231L and Sophomore or above status

**GEOS 346 GEOLOGY FIELD CAMP I13 Credits**

The online part of this course teaches mineral and energy exploration, and measuring quantity and quality of resources. The field portion will build observation and interpretation skills and reinforce technical aspects of field mapping, stratigraphic interpretation and structural analysis. Student will prepare field notes, maps, stratigraphic charts, cross sections, and reports while interacting with geological problems in the Great Plains and Rocky Mountains.

**Prerequisites:** GEOS 246

**Notes:** Taught concurrently with GEOS 246.

**Requirements:** Additional course fee required.

**GEOS 390 INTERNSHIP IN GEOSCIENCE1-12 Credits**

Provides practical experience as a geoscientist in government, business, or industry. Open to upper division students majoring in the area of geoscience.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Internship and Career Services Office to secure application materials.

**Requirements:** 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 RESEARCH1-3 Credits**

Study or research in a geoscience area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required. Permission of instructor, School Dean, and Academic Vice President is required.

**GEOS 401 CAPSTONE II: SENIOR RESEARCH1 Credit**

Independent research projects based on the results presented in GEOS 310. Data collection, analysis, and presentation of scientific papers.

**Prerequisites:** GEOS 310 and Junior or above status

**Notes:** Normally taken during the student's Junior or Senior year; may be repeated for a total of up to six hours of credit.

**GEOS 410 CAPSTONE III: SENIOR RESEARCH THESIS1 Credit**

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.

**Prerequisites:** GEOS 401 and Junior or above status

**GEOS 430 SPECIAL TOPICS IN GEOSCIENCE1-3 Credits**

To meet special needs of Geoscience students.

**Notes:** May be repeated with different topics and approval of instructor for a total of six credit hours.

**GEOS 431 HYDROGEOLOGY3 Credits**

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.

**Prerequisites:** Junior or above status

**GEOS 432 STRUCTURAL GEOLOGY3 Credits**

Description and analysis of geologic structures and the regional and global tectonic forces that produce them. Possibly one or more field trips required.

**Prerequisites:** GEOS 231, GEOS 231L, and Junior or above status

**GEOS 434 INTRODUCTION TO OCEANOGRAPHY3 Credits**

An earth-system approach to study of the oceans. Includes discussion of physical and biological phenomena in the oceans; analyzes interactions among the hydrosphere atmosphere and geosphere; and considers humans as stewards of ocean resources. Field trips may be required.

**GEOS 435 FIELD EXPERIENCE IN GEOSCIENCE1-3 Credits**

Typically a one to three week workshop. Field excursions to study major geologic features and provinces in North America or elsewhere.

**Add Consent:** Instructor Consent

**GEOS 436 FIELD EXCAVATION AND PROCEDURES1-3 Credits**

A summer workshop designed to give the student field experience in the development of paleontological sites.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**GEOS 437 WORLD ENVIRONMENTAL ISSUES3 Credits**

Exploration of world environmental problems. Discussion participation setting emphasizes library research, accessing information, critical analysis of media news, and information and global perspective measures. The course culminates in student action plans that may affect environmental change.

**Essential Studies:** SLO #9

**Prerequisites:** Junior or above status

**GEOS 438 PETROLEUM GEOLOGY3 Credits**

The origin, characteristics, occurrence, exploration, and development of/ for petroleum. Possibly one or more field trips.

**GEOS 439 SEDIMENTOLOGY AND STRATIGRAPHY3 Credits**

The origin and characteristics of sedimentary rocks.

**Prerequisites:** GEOS 231, GEOS 231L, GEOS 234, GEOS 234L and Junior or above status

**Co-requisites:** GEOS 439L

**GEOS 439L SEDIMENTOLOGY AND STRATIGRAPHY LABORATORY1 Credit**

Laboratory and field studies of sediments and sedimentary rocks.

**Prerequisites:** Junior or above status

**Co-requisites:** GEOS 439

**GEOS 471 ADVANCED ASTRONOMY1-3 Credits**

A quantitative study of topics introduced in GEOS 233. Includes astrophotography, deep sky viewing, and planetarium.

**Prerequisites:** GEOS 233/, GEOS 233L, and , GEOS 233L, and Junior or above status

## Health, PE, and Recreation (HPER)

**HPER 102 SHOOTING ACTIVITIES3 Credits**

The Shooting Activities course will expose students to the necessary rules and participation skills for a variety of shooting activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Shooting activities may include but not be limited to archery, trap, riflery, paintball, skeet, etc.

**HPER 105 ADULT COMMUNITY RECREATION1 Credit**

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

**HPER 107 INDIVIDUAL SPORT ACTIVITIES3 Credits**

The Individual Sport Activities course will expose students to the necessary playing rules and participation skills for a variety of individual sports, which will allow for positive lifestyle changes through the involvement in lifelong activities. Individual Sport Activities may include but not be limited to, bowling, golf, tennis, racquetball, frisbee golf, etc.

**Essential Studies:** SLO #11

**HPER 108 FITNESS ACTIVITIES3 Credits**

The Fitness Activities course will expose students to the necessary rules and skills for a variety of lifetime fitness activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Fitness Activities may include but not be limited to, aerobics, weight training, physical fitness, fitness testing, pilates, etc.

**Essential Studies:** SLO #11

**HPER 111 SOCIAL DANCE ACTIVITIES3 Credits**

The Social Dance course will expose students to the history of dance, various styles of dance, and the acquisition of a variety of developmental dance steps to successfully participate in a social dance setting. This will allow for positive lifestyle changes through the involvement in lifelong activities. Social Dance may include but not be limited to a wide variety of cultural dances such as; Folk Dance, Latin Dance, Round and Square Dance, Ballroom Dance, and Country Western Swing/Line Dance.

**Essential Studies:** SLO #11

**HPER 120 OUTDOOR ACTIVITIES3 Credits**

The Outdoor Activities course will expose students to the necessary rules and participation skills for a variety of outdoor adventure activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Outdoor Adventure Activities may include but not be limited to canoeing, fishing, hiking, mountain biking, cross country skiing, etc.

**Essential Studies:** SLO #11

**HPER 122 FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION1 Credit**

Overview of latest thinking and research that form the foundations of Health and Physical Education and exploration of career preparation and opportunities in the field.

**HPER 134 INTRODUCTION TO ATHLETIC TRAINING1 Credit**

Prevention and basic first aid skills necessary to manage common injuries associated with sports, as well as provide techniques in emergency life support.

**Notes:** This course will not fulfill any requirements for departmental endorsements.

**HPER 200 INDEPENDENT STUDY OR RESEARCH1-4 Credits**

Designed to permit students to participate in more individual investigations and individualized courses of study.

**Add Consent:** Instructor Consent

**Requirements:** Permission of Academic Dean and Department Chair.

**HPER 204 TRAINING METHODS3 Credits**

Exploring the techniques involved in properly performing and instructing training methods in the field of strength and conditioning. Training methods will include resistance training, plyometrics, speed and agility training, flexibility, and proper warm-up and cool down techniques.

**HPER 207 TEAM SPORTS ACTIVITIES3 Credits**

The Team Sports Activities course will expose students to the necessary playing rules and participation skills for a variety of team sports, which will allow for positive lifestyle changes through involvement in the provided lifelong activities.

**Essential Studies:** SLO #11

**HPER 209 ADVANCED FITNESS ACTIVITIES<sup>3</sup> Credits**

The Advanced Fitness Activities course will expose students to the necessary rules and skills for a variety of lifetime fitness activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Advanced Fitness Activities may include but not be limited to advanced strength training, powerlifting, Ironman training, triathlon training, etc.

**HPER 220 THEORY AND PSYCHOLOGY OF COACHING<sup>3</sup> Credits**

Principles necessary to become a successful coach which will include philosophical, sociological and psychological aspects. Coaching theories, seasonal planning, practice planning, training methods, communication, and other common coaching issues will be discussed.

**HPER 221 RECREATION PROGRAMMING<sup>3</sup> Credits**

History and objectives of special camps and the responsibilities of the camp counselor. The planning and administration of camp activities to include diverse populations. This course is designed to help students understand ways to ensure recreation leisure activities are accessible to all members in the community they serve.

**HPER 232 APPLIED EXERCISE PHYSIOLOGY<sup>3</sup> Credits**

Detailed work on the skeletal muscular system with direct application to movement, stretching and strengthening of the skeletal muscles. Study of the nervous, skeletal, muscular, circulatory, and respiratory systems of the body as it applies to, and is affected by exercise.

**HPER 233 PERSONAL HEALTH/WELLNESS<sup>3</sup> Credits**

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.

**Essential Studies:** SLO #11

**HPER 234 INTRODUCTION TO SPORT AND RECREATION MANAGEMENT<sup>3</sup> Credits**

Discusses basic concepts and philosophies of recreation, leisure, and sport. Explores student success strategies and employment opportunities in the field of recreation. Provides practical experience in designing, organizing, and conducting a variety of recreational activities.

**HPER 236 HEALTH TOPICS<sup>3</sup> Credits**

Designed to provide the Health Educator with an in-depth knowledge base in current health problems in contemporary society.

**HPER 237 ETHICAL ISSUES IN SPORT<sup>3</sup> Credits**

Review and study the ethical issues present in youth, college, and professional sport. Students will identify and discuss common ethical dilemmas faced by sport practitioners, and develop ethical decision making and moral reasoning. The positive values promoted within sport will be examined along with mindsets that can diminish these values.

**HPER 321 COACHING TECHNIQUES:FOOTBALL<sup>2</sup> Credits**

Fundamentals and coaching techniques in football.

**Prerequisites:** HPER 220 and Sophomore or above status

**HPER 322 COACHING TECHNIQUES:BASKETBALL<sup>2</sup> Credits**

Fundamentals and coaching techniques in basketball.

**Prerequisites:** HPER 220 and Sophomore or above status

**HPER 323 COACHING TECHNIQUES:VOLLEYBALL<sup>2</sup> Credits**

Fundamentals and coaching techniques in volleyball.

**Prerequisites:** HPER 220 and Sophomore or above status

**HPER 325 TEACHING INDIVIDUAL/DUAL SPORTS<sup>3</sup> Credits**

Techniques of teaching and coaching the individual and dual sports which may be taught to the recreation or public school student

**Prerequisites:** Sophomore or above status

**HPER 329 HISTORY OF PHYSICAL EDUCATION<sup>2</sup> Credits**

Introduction to the historical development of physical education from ancient to modern times.

**HPER 332 SAFETY AND FIRST AID<sup>2</sup> Credits**

Safety in and around the school and home. Includes American National Red Cross First Aid and Cardiopulmonary Resuscitation certification.

**Prerequisites:** Junior or above status

**HPER 333 LEADERSHIP IN RECREATION<sup>3</sup> Credits**

Investigation of leadership styles, sources of leader power, and various influence tactics. Emphasis will be placed on the leadership process and the relationships between the leader, follower, and the situation in various sport settings.

**Prerequisites:** HPER 234 and Sophomore or above status

**HPER 335 ADMINISTRATION OF SPORT AND RECREATION<sup>3</sup> Credits**

A study of administrative practices and their application to the field of athletics.

**Prerequisites:** Sophomore or above status

**HPER 336 FITNESS EVALUATION AND EXERCISE PRESCRIPTION<sup>3</sup> Credits**

Integrate the principles and theories of exercise physiology, kinesiology, nutrition, psychology, and measurement with application to physical fitness testing and individualized exercise program design.

**Prerequisites:** HPER 232 and Sophomore or above status

**HPER 337 RECREATION FOR DIVERSE POPULATIONS<sup>3</sup> Credits**

This course will expose students to a comprehensive review of inclusion, its history, theories and concepts, what constitutes inclusive facilities and programs and application of inclusion best practices in recreation activity areas.

**Prerequisites:** Sophomore or above status

**HPER 339 THEORY OF PHYSICAL EDUCATION K-8<sup>3</sup> Credits**

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.

**Prerequisites:** Sophomore or above status

**HPER 340 PRACTICUM IN STRENGTH AND CONDITIONING<sup>3</sup> Credits**

Practicum in Strength and Conditioning will provide students with field experience within the Chadron State College Strength and Conditioning program. The field experience will be combined with classroom discussions dealing with research and practices relevant to the strength and conditioning professional.

**Prerequisites:** HPER 209, 232, and Junior or above status

**HPER 342 GROUP FITNESS INSTRUCTION<sup>3</sup> Credits**

This course is designed to provide theoretical knowledge and practical skills in preparation for the American Council on Exercise (ACE) national certification exam in group fitness instruction. Topics include guidelines for instruction, essentials of instructor-participant relationship, principles of motivation, effective communication techniques, methods for enhancing group leadership, and the group fitness instructor's professional role.

**Prerequisites:** Sophomore or above status

**HPER 343 DIVERSITY AND INCLUSION IN SPORT<sup>3</sup> Credits**

Examines the role of cultural diversity in a successful athletic program. Topics include ethnicity and race, gender, exceptionalities, religion, sexual orientation and gender identification as they relate to sport and athletic administration. Students will develop an understanding of successful inclusion strategies for sport organizations.

**Prerequisites:** Sophomore or above status

**HPER 400 INDEPENDENT STUDY OR RESEARCH1-4 Credits**

Designed to permit students to participate in more individual investigations and individualized courses of study.

**Add Consent:** Instructor Consent

**Requirements:** Permission of Academic Dean and Department Chair required.

**HPER 422 INTRODUCTION TO ADAPTED PHYSICAL EDUCATION3 Credits**

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.

**Prerequisites:** Junior or above status

**HPER 423 COACHING TECHNIQUES:WRESTLING2 Credits**

Fundamentals and coaching techniques in wrestling.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 424 COACHING TECHNIQUES: TRACK2 Credits**

Fundamentals and coaching techniques in track.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 425 COACH TECHNIQUES:GOLF AND TENNIS2 Credits**

Fundamentals and coaching techniques in golf and tennis.

**HPER 426 COACHING TECHNIQUES: BASEBALL/SOFTBALL2 Credits**

Fundamentals and coaching techniques in baseball and softball.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 427 RHYTHMIC MOVEMENT3 Credits**

Review of rhythmic activities and the methods of teaching rhythmic movements to elementary and secondary school student. Students will learn to perform a variety of rhythmic and creative movement activities and the methods used in teaching educational dance. The students will learn fundamental and intermediate skills in gymnastics. Emphasis is placed on teaching gymnastic skills and learning proper spotting techniques.

**Prerequisites:** Junior or above status

**HPER 428 CURRICULUM IN HEALTH3 Credits**

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:** Junior or above status

**HPER 429 MOTOR MOVEMENT3 Credits**

The exploration and explanation of materials, methods, and mechanisms that underlie the learning and performance of motor skills and practical experience in designing and implementing physical education activities, which develop fundamental and sport-related movement skills.

**Prerequisites:** Junior or above status

**HPER 430 SEMINAR IN HPER3 Credits**

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.

**Prerequisites:** Junior or above status

**Notes:** The seminar may be repeated.

**HPER 431 COMMUNITY AND ENVIRONMENTAL HEALTH3 Credits**

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.

**Prerequisites:** HPER 236 and Junior or above status

**HPER 432 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION3 Credits**

The history of measurements in physical education, the selection and administration of appropriate tests, and the integration of their results by statistical procedures.

**Prerequisites:** Junior or above status

**HPER 433 ADVANCED ATHLETIC TRAINING3 Credits**

Designed for students who want to pursue a career in athletic training; required for NATA certification.

**Prerequisites:** HPER 134 and Junior or above status

**HPER 435 CURRICULUM PLANNING IN PHYSICAL EDUCATION3 Credits**

A study and evaluation of present day trends in physical education. A discussion of principles and procedures for curriculum construction and criteria for the selection of activities and judging outcomes.

**Prerequisites:** Junior or above status

**HPER 436 ADVENTURE BASED LEARNING3 Credits**

To acquaint prospective teachers and recreationists with the concepts of outdoor education. To provide a variety of experiential learning opportunities that enable students to develop knowledge and skills from direct experiences outside the traditional classroom. To better understand the use of personal leisure time in the out-of-doors.

**Prerequisites:** Junior or above status

**HPER 437 LEGAL ASPECTS OF SPORTS AND RECREATION3 Credits**

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.

**Prerequisites:** Junior or above status

**HPER 439 BIOMECHANICS OF SPORTS3 Credits**

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.

**Prerequisites:** HPER 232 and Junior or above status

**HPER 440 PREVENTION AND CARE/ATHLETIC INJURIES3 Credits**

Knowledge and practice in the care of athletic injuries and physical conditioning.

**Prerequisites:** Junior or above status

**HPER 441 COORDINATED SCHOOL HEALTH PROGRAM3 Credits**

Building on the foundation in school health education, this course will provide the knowledge and skills needed to investigate, define, design, implement and evaluate comprehensive coordinated school health programs. Focus on the health and physical activity components of the Coordinated School Health Program (CSHP) model.

**Prerequisites:** HPER 236 and Junior or above status

**HPER 442 AQUATICS AND WATER SAFETY3 Credits**

The Aquatic and Water Safety Activities course will expose students to the necessary safety rules and participation skills for a variety of aquatic activities, which will allow for positive lifestyle changes through the involvement in lifelong activities. Aquatic and water safety activities may include but not be limited to a variety of swimming techniques, lifeguard training, and water safety instruction.

**Prerequisites:** Junior or above status

**HPER 449 EVENT AND FACILITY MANAGEMENT3 Credits**

Explorations into the proper steps necessary to successfully plan and implement events associated with recreation and sport. Evaluation of the procedures utilized in the effective management of recreation and sport facilities.

**Prerequisites:** Junior or above status

**HPER 453 SPORTS OFFICIATING3 Credits**

Qualifications, philosophies, principles, and techniques governing the art of officiating sports.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 454 PRINCIPLES OF PERSONAL TRAINING3 Credits**

To provide students with specific, real-world information about the knowledge, skills, and expectations associated with a competent personal trainer or fitness professional. Additionally, this course is designed to prepare students for the nationally accredited National Strength and Conditioning Association Certified Personal Trainer (NSCA-CPT) certification exam.

**Prerequisites:** Junior or above status

**HPER 456 ESSENTIALS OF STRENGTH AND CONDITIONING3 Credits**

Essentials of Strength and Conditioning will provide the students with an overview of strength and conditioning. Emphasis is placed on the exercise sciences (including anatomy, exercise physiology, and biomechanics) and nutrition, exercise technique, program design, organization and administration, and testing and evaluation. Additionally, this course is designed to prepare students for the nationally accredited Certified Strength and Conditioning Specialist (CSCS) certification exam.

**Prerequisites:** HPER 232 and Junior or above status

**HPER 490 INTERNSHIP IN SPORT AND RECREATION MANAGEMENT1-12 Credits**

Provides practical experience in physical education, recreation, coaching or athletic training. Interested student

**Prerequisites:** HPER 234, 332, 333, 335, 437, 440, and Junior or above status

**Add Consent:** Department Consent

**Notes:** 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.

**HPER 494 TECHNIQUES OF COACHING I3 Credits**

Fundamentals and techniques of coaching football, wrestling, track and field.

**Prerequisites:** HPER 220 and Junior or above status

**HPER 495 TECHNIQUES OF COACHING II3 Credits**

Fundamentals and techniques of coaching volleyball, basketball, and baseball/softball.

**Prerequisites:** HPER 220 and Junior or above status

## History (HIST)

**HIST 151 US HISTORY TO 18773 Credits**

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.

**Essential Studies:** SLO #8

**HIST 152 US HISTORY SINCE 18773 Credits**

Continuation of HIST 151, from the end of Reconstruction to the present: the emergence of modern America, the rise of the city, the growth of industry, the organization of labor, the growth of democracy and the evolution of foreign policy.

**Essential Studies:** SLO #8

**HIST 171 WORLD HISTORY TO 15003 Credits**

Survey of World Civilizations from the prehistoric and ancient periods to the rise of the modern era, circa 1500 with emphasis upon political, religious cultural, economic and social movements.

**Essential Studies:** SLO #7

**HIST 172 WORLD HISTORY SINCE 15003 Credits**

Survey of World History from 1500 to the present with emphasis upon political, religious cultural, economic and social movements.

**Essential Studies:** SLO #8

**HIST 210 POLITICS AND ECONOMICS3 Credits**

Analyzes the relationship between politics and economics. The class investigates this relationship by examining an array of institutions, to include the sub-national, the nation-state and the supra-national. Students will acquire knowledge of basic economic concepts and theories and develop methodological literacy needed to understand political and economic research. Further, students will understand the role of political economy in historical explanation.

**Cross-Listed:** HIST 210/PS 210

**HIST 220 THE GLOBAL AND IDENTITY3 Credits**

Investigation of the historical process of globalization and its effect on identity. The course places emphasis on how both connectivity and distance influenced individual and group identity, examining emigration, immigration, and the creation of diasporic communities.

**HIST 230 EXCHANGE AND THE ENVIRONMENT3 Credits**

Historical spatial views and perspectives of place while stressing the ongoing process of exchange among people and the environment by investigating the development of economic, scientific, and technological perspectives and concomitant knowledge creation.

**HIST 240 BELIEF AND CULTURE3 Credits**

Historical changes and continuities of beliefs shape human culture. The class places emphasis on changing belief systems over time; the role of religion in cultural values; the advancement of science and knowledge and their relationship with culture and the ideological norms of differing cultures.

**HIST 351 ANCIENT WEST3 Credits**

This course investigates the history of the West from the Neolithic through the Middle Ages with attention to Greco-Roman societies, Iron-Age Celtic and Germanic societies, and the European world(s) that emerged as the earlier cultures collided. In addition to historical works, the course analyzes the subject through cognate fields with special emphasis on anthropology.

**Cross-Listed:** HIST351/ANTH351

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HIST 352 EUROPE: RENAISSANCE TO WORLD WAR3 Credits**

Investigation of the history of Europe from the Renaissance to the early twentieth century. In addition to historical works, this course analyzes the subject through other cognate social sciences, with potential disciplines including political science, sociology, anthropology, economics, and psychology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 353 EUROPE SINCE 19143 Credits**

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.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 354 US COLONIAL AND EARLY REPUBLIC3 Credits**

Study of the rich variety of themes in Early America from Indian cultures to the appearance and development of European colonies in America and the evolution of these colonies through the Early Republic.

**Essential Studies:** SLO #8

**Prerequisites:** Junior or above status

**HIST 355 US IN THE NINETEENTH CENTURY3 Credits**

Traces the history of the United States in the Nineteenth Century, including the rise of sectionalism, the Civil War, Reconstruction, the Gilded Age, and the early Progressive Era.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 356 US IN THE 20TH CENTURY3 Credits**

Growth of the United States during the Twentieth Century with an emphasis on the evolution of political institutions, the United States as a world power, civil rights issues, and the main intellectual and cultural currents in this century of rapid change.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 361 NORTH AMERICAN WEST3 Credits**

North American West 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.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 362 NEBRASKA HISTORY3 Credits**

This course investigates the history of Nebraska with emphasis on geographical, social, political, and economic factors. May require field trips.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 363 AMERICAN INDIAN HISTORY3 Credits**

History of Native American and Indian peoples from tribal origins to the present. Emphasizes cultural survival and cross-cultural exchange.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 364 AMERICAN ENVIRONMENTAL HISTORY3 Credits**

History of the United States through its interactions with nature, from the colonial era to the present. In addition to examining the history of resource use, this course examines how the environment functions as a critical tool in defining cultural, political, and gender relationships among Americans.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 365 HISTORY OF CANADA3 Credits**

Political, social, and economic development of Canada from the formation of First Nations societies to the present.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 366 HISTORY OF MEXICO3 Credits**

Mexican history from Pre-Columbian times to the country's democratic transition with a focus on postindependence Mexico. Political, economic, and socio-cultural developments as shaped by domestic and international contexts will be explored.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 369 SUBJECT AND CITIZEN3 Credits**

Students will explore the historic relationship among individuals, peoples and governance. An evaluation of ancient forms of governance across diverse cultures; analysis of the development of the social contract and the connection to the modern state and an examination of both the duties and privileges historically derived from the status of subject and citizen. Stress placed on understanding the power of citizenship as well as its historic boundary creation and exclusion. Significant time spent on the evaluation of the new forms/challenges of citizenship in a globalizing world, especially the concept of global citizenship and non-nation state affiliation. By understanding the diverse and contested historical terrain of subject and citizen, students can conceptualize, problematize and navigate their own relationship to civic participation.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**HIST 370 THE POST-COLONIAL CONDITION3 Credits**

Students will investigate the post-colonial condition. Emphasis placed on the evaluation of modern colonialism's interaction with a host of differing environs and diverse human communities. The course analyzes the complex self-expressions and identities in this encounter and concentrates on the behaviors and voices arising from the resulting post-colonial condition. Significant time spent on how former colonized peoples claim different forms of belonging amidst the legacy of colonialism, which take on a host of different postures from fatalism to empowerment. The search for belonging and identity will be explored across many forms, to include the economic, cultural, political, and the ideological. Perhaps no form of modern identity has more potential for cooperation and conflict than those sought in former colonial spaces of Africa, the Caribbean, the Middle East and Southeast Asia. By understanding these often dislocating behaviors and voices students can critically engage with their own understanding of diversity and identity.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**HIST 371 ANCIENT EAST ASIA3 Credits**

This course investigates the peoples and cultures of East Asia from the emergence of Bronze-Age kingdoms through the failure of Confucian political and social systems in the mid-nineteenth century. In addition to anthropological works, this course analyzes the subject area through cognate disciplines, with special emphasis on history.

**Cross-Listed:** HIST371/ANTH371

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HIST 372 MODERN EAST ASIA3 Credits**

This course investigates the history of East Asia from the rise of nineteenth-century modernization movements through the present. It focuses primarily on China, Japan, Korea, and Vietnam. This course also consults cognate fields including political science and anthropology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 373 HISTORY OF THE PACIFIC RIM3 Credits**

Comprehensive course covering the history, geography, economics, politics, and culture of the peoples who have inhabited the borders of the Pacific Rim-including the United States, Canada, Russia, Japan, China, Vietnam, Indonesia, Australia, Oceania, and Latin America-over the past half-millennium. Topics will include environmental transformation, colonialism, international diplomacy, World War II, and globalization.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 374 HISTORY OF THE MIDDLE EAST3 Credits**

This course investigates the history of the Middle East from its earliest river-based societies, Tigris and Euphrates, Nile, and Indus River Valleys, to the founding of monotheistic religions and on into the present day. This course also consults cognate fields including political science and anthropology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 375 HISTORY OF AFRICA3 Credits**

History of Africa from the pre-historic to the present day. In addition to historical works, this course analyzes the subject through other cognate social sciences with potential disciplines including political science, sociology, anthropology, economics, and psychology.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 376 LATIN AMERICAN HISTORY3 Credits**

History of Latin American nations covering the periods of conquest, colonization and independence, with emphasis on social, political and educational developments.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**HIST 390 INTERNSHIP IN HISTORY1-12 Credits**

Provides practical historical experience while employed with a museum or historical society, government agency, business, or industry. Open to upper division students majoring in one of the social sciences.

**Add Consent:** Department Consent

**Notes:** 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 395 SEMINAR IN THE SOCIAL SCIENCES3 Credits**

Required for all History, History Education and Social Science majors. Students will understand Social Science methodologies and integrate knowledge and skills developed over the curriculum. Culminates the interdisciplinary focus of the program and produces a synthetic understanding of a topic/problem that is demonstrated in original scholarly research.

**Cross-Listed:** HIST 395/SS395

**Prerequisites:** Junior or above status

**HIST 400 INDEPENDENT STUDY1-6 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean and Academic Vice President is required.

**HIST 401 CUBA LIBRE1-3 Credits**

This course allows students to have a study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469. Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding Self-Reflective essay (required of all participants).

**Essential Studies:** SLO #8

**Prerequisites:** Junior or above status

**HIST 402 CUBA LIBRE3 Credits**

This course allows students to have a study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469. Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding self-reflective essay (required of all participants).

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**HIST 455 PROCESS IN US/EUROPEAN HISTORY3 Credits**

Applies a process-based theme to US and/or European history, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

**Prerequisites:** Junior or above status

**HIST 460 AMERICAN MILITARY HISTORY3 Credits**

Comprehensive but brief account of American Military from 1763 to the present. This is a study of how societies form their institutions for their collective security and how those institutions operate in peace and war. It includes the entire range of economic, social, legal, political, technological, and cultural issues that arise from the state's need to organize violence to preserve its existence and accomplish its national goals.

**Prerequisites:** Junior or above status

**HIST 465 PROCESS IN NORTH AMERICAN WEST HISTORY3 Credits**

Applies a process-based theme to the North American West, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

**Prerequisites:** Junior or above status

**HIST 475 PROCESS IN WORLD HISTORY3 Credits**

Applies a process-based theme to World history, with themes subject to professor discretion to bring back together process and context (the general and the particular). Course analyzes and engages with the subject through a minimum of three cognate social science areas, the reading of secondary literature and student-driven analysis of primary documents.

**Prerequisites:** Junior or above status

## Humanities (HUM)

**HUM 160 INTRODUCTION TO THE HUMANITIES1-3 Credits**

An introduction to the interdisciplinary study of humanistic knowledge, inquiry, and values focusing on connections among humanities disciplines.

**Notes:** May be repeated with a change in emphasis.

**HUM 231 HUMANISTIC PERSPECTIVES3 Credits**

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

**Essential Studies:** SLO #7

**HUM 232 HUMANISTIC TRADITION I:CLASSICAL WORLD3 Credits**

Introduction to the thought, values, and arts of Western culture from the Archaic Greek age through the end of the Roman Empire. Readings and discussions focus on literature, philosophy, the arts, and religion.

**Essential Studies:** SLO #7



**HUM 233 HUMANISTIC TRADITION II: THE MEDIEVAL WORLD AND RENAISSANCE3 Credits**

Introduction to the thought, values, and arts of Western culture from the rise of Christianity in the Middle Ages through the waning of the European renaissance in the sixteenth century, including the Protestant Reformation and Counter-Reformation. Readings and discussions focus on literature, philosophy, religion, and the arts.

**Essential Studies:** SLO #7

**HUM 234 HUMANISTIC TRADITION III:THE AGE OF ENLIGHTENMENT AND ROMANTICISM3 Credits**

Introduction to the thought, values, and arts of Western culture from the mid-sixteenth century Scientific Revolution through the early nineteenth century British, Continental, and American Romantic movements.

Readings and discussions focus on literature, philosophy, religion, and the arts.

**Essential Studies:** SLO #7

**HUM 235 THE HUMANISTIC TRADITION IV:MODERNISM AND POST-MODERNISM3 Credits**

Introduction to the thought, values, and arts of Western culture from the beginning of modernism in the mid-nineteenth century through our own contemporary era. Readings and discussions focus on literature, philosophy, cinema, religion, and the arts.

**Essential Studies:** SLO #7

**HUM 301 BEAT CULTURE: FILM, PHILOSOPHY, LITERATURE3 Credits**

Interdisciplinary exploration of lives, work, and legacy of the Beat Generation, with a special focus on its "founders". Discussions will include music, the art of the Abstract Expressionists and the huge culture industry that has grown up around the Beats.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HUM 302 FILM AND PHILOSOPHY3 Credits**

Recent work in the philosophy of film, focusing on the relationship between film and philosophy and exploring in depth the idea of 'film as philosophy'.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HUM 303 MODERNISM AND MANIFESTOS3 Credits**

Interdisciplinary exploration of the history of the manifesto as a lens through which to examine the intersection of art, philosophy, literature, and film in the late-nineteenth and twentieth century.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**HUM 333 EXPLORATIONS IN HUMANITIES3 Credits**

An in-depth analysis of a key concept in humanistic thought and expression of a major contemporary issue from an interdisciplinary humanities perspective.

**Prerequisites:** Sophomore or above status

**HUM 334 INTRODUCTION TO FILM3 Credits**

An examination of the art of film. Field trips may be required.

**Prerequisites:** Sophomore or above status

**HUM 335 COMPARATIVE RELIGIONS3 Credits**

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.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**HUM 336 HIGH PLAINS HUMANITIES3 Credits**

An integrative study of the diverse cultural expressions by and about peoples living in the High Plains region of America past and present, including Native Americans. Artifacts and areas of study will include literature, visual and performing art, religion, architecture, design, and film.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**HUM 369 PHILOSOPHY AND DOCUMENTARY FILM3 Credits**

The study of documentary film as philosophy, considering fundamental concepts of form, style, and subject matter, as well as issues of objectivity and deception, cinematic representation, the social utility of film, artistic progress, and the relation between truth and socio-political progress.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**HUM 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Permission of Instructor and Dean is required.

**HUM 401 CUBA LIBRE'1-3 Credits**

Study abroad experience in Cuba. Students are encouraged to attend as many pre-trip class sessions of the concurrent course: ESP Capstone 469.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**Requirements:** Students must attend two weeks of pre-trip orientation and attend post-trip sessions regarding self-reflective essay (required of all participants).

## Legal Studies (LS)

**LS 231 INTRODUCTION TO LEGAL STUDIES3 Credits**

A study of the American legal system and the people who make it work. First introduces the role of legal professionals (lawyers and paralegals) and provides a general knowledge of the legal system structure and dispute resolution processes. Students then explore major substantive areas of law, examine the ethical rules governing legal work and learn basic legal skills such as case briefing, legal analysis, and legal research.

**LS 232 LITIGATION/CIVIL PROCEDURES3 Credits**

A study of the process used to resolve legal disputes. Will examine the federal and state rules of civil procedures, including the drafting of complaints, answers, pre-trial motions, interrogatories, depositions and other documents, discovery, jurisdiction, and the aspects of trial practice.

**LS 233 TORTS3 Credits**

An overview of basic personal injury and property damage law within the American legal system. Actual cases and hypothetical examples are used to illustrate the law of intentional torts, negligence, strict liability and tort defenses. Emphasis is placed on developing a working knowledge of substantive tort law through the development and analysis of facts, the construction and evaluation of alternative arguments, and the drafting of a variety of documents that are the basis for trial preparation.

**LS 235 ADMINISTRATIVE LAW3 Credits**

A study of the role and function of administrative agencies in contemporary society. This course focuses on the law governing agency discretion, rulemaking, enforcement, and decision-making powers. Special emphasis is given to administrative procedures and public rights.

**LS 236 FAMILY LAW3 Credits**

A study of the law governing families. Exploring the substantive law of marriage, divorce, legal separation, child support and custody, property division, alimony, decree modification and enforcement, and adoption. Special emphasis is placed on the drafting of documents necessary in family law cases.

**LS 238 LEGAL RESEARCH AND WRITING I3 Credits**

A study of basic legal research and legal analysis. Focusing on how to locate and analyze legal resources including constitutions, statutes, administrative rules and regulations, and cases. The fundamentals of legal writing, including legal citation, will be introduced. Special emphasis will be given to online legal research.

**LS 323 LAW AND THE AMERICAN SOCIETY3 Credits**

A study of the nature and function of the American legal system and its interrelationship with our social, political and economic institutions. This course examines the nature, functions, and limits of law and its impact on economic, political, and social institutions. Emphasis will be placed on debates of current legal issues.

**Cross-Listed:** LS323/SS323

**Essential Studies:** SLO #10

**LS 331 CRIMINAL LAW3 Credits**

A study of the general principles of criminal law and the specific elements of particular crimes. This course examines the sources of criminal law, the constitutional limitations on criminal law, the basic proof requirements for specific crimes, and the various defenses to criminal liability.

**Cross-Listed:** LS 331/CJ 331

**Prerequisites:** LS 231 or CJ 231 and Sophomore or above status

**LS 332 THE LAW OF CONTRACTS3 Credits**

The study of privately created obligations and duties through agreement. This course introduces the law of contracts, including the elements of a contract, the formation of contracts, contract interpretation, obligations, third-party contract relationships, breach of contract, and remedies available. Emphasis is placed on the drafting and evaluation of contracts.

**Prerequisites:** Sophomore or above status

**LS 333 CONSTITUTIONAL LAW3 Credits**

A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation.

**Cross-Listed:** CJ333/LS333/PS333

**Prerequisites:** Sophomore or above status

**LS 334 CRIMINAL PROCEDURES3 Credits**

A study of the rule of law in action. Students will examine procedural limitations in processing an individual through the criminal justice system with special emphasis on arrest, search and seizure, interrogation, identification and exclusion of evidence.

**Cross-Listed:** CJ334/LS334

**Prerequisites:** Sophomore or above status

**LS 337 INTRODUCTION TO LAW3 Credits**

A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system and considers economic, social, and political implications as they influence the development of a rule of law. Historical and present legal controversies will be examined.

**Cross-Listed:** CJ337/LS337/PS337

**Prerequisites:** Sophomore or above status

**LS 338 LEGAL RESEARCH AND WRITING II3 Credits**

A study of advanced legal research and writing principles. This course focuses on case synthesis, the creation of factual and policy arguments, and counteranalysis. Emphasis is placed upon completion of legal research projects including preparation of interoffice memoranda, court briefs and legal correspondence.

**Prerequisites:** LS 238 and Sophomore or above status

**LS 343 COMMERCIAL LAW3 Credits**

A study of the Uniform Commercial Code and related federal and state laws and their relevance to the law office environment and commercial business practice. This course will emphasize the sale of goods, negotiable instruments, bank deposits and collections, security agreements, and transactions in which personal property, such as equipment, inventory, or accounts receivable, serve as collateral for a debt.

**LS 390 INTERNSHIP IN LEGAL STUDIES1-12 Credits**

The student will gain practical experience in a law office, court, judicial office, or other law related agency. Open to upper division students majoring in the area of legal studies.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Internship and Career Services office to secure application materials; application should be made prior to the semester the internship will be started; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the work hours.

**LS 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Prerequisites:** 15 hours of Legal Studies courses

**Add Consent:** Instructor Consent

**Requirements:** Permission of Dean, and Academic Vice President.

**LS 431 ESTATE PLANNING3 Credits**

A study of the ownership of assets and planned distribution. Students will explore the procedures, techniques, and law governing the administration of estates and trusts. Special emphasis will be placed on the drafting of wills, simple trusts, probate documents and advanced healthcare directives.

**Prerequisites:** Junior or above status

**LS 432 JUVENILE LAW3 Credits**

A study of the rights and duties of children, parents, and the state in both private and criminal arenas. This course examines the development of the legal status of children, constitutional rights of minors, the role of the state in relation to the family, state power to intervene in the lives of parents and children, and juvenile offenders in the justice system. Emphasis is placed on the juvenile justice process as it has developed in the United States.

**Cross-Listed:** CJ432/LS432

**LS 433 RULES OF EVIDENCE3 Credits**

A study of evidence and the rules governing its use. Examines what, how, and why certain objects or testimony should be admitted into, or excluded from, evidence in court. Topics include the problems of relevance, authentication, burdens of proof, presumptions, hearsay, opinion, and expert testimony.

**Cross-Listed:** CJ433/LS433

**Prerequisites:** LS 231 or CJ 231 and Junior or above status

**LS 434 LAW OF REAL ESTATE3 Credits**

A study of the substantive law of real property, including legal descriptions, real estate finance, types of ownership, mechanics of transferring ownership, abstracts, title insurance, legal forms, and contract drafting.

**Prerequisites:** Junior or above status

**LS 435 LAW OF BUSINESS ORGANIZATIONS3 Credits**

A study of sole proprietorships, partnerships, corporations and limited liability companies. This course will examine the advantages and disadvantages of different business entities and the formation and financial structure of each.

**LS 436 ETHICS/PROFESSIONAL RESPONSIBILITY3 Credits**

An overview of ethical considerations in the legal profession, including canons of ethics and ethical standards governing lawyers and legal assistants. The course examines client confidentiality, unauthorized practice of the law, conflicts of interest and disqualification, attorney-client privilege, the work product rule, financial matters, zealotry within the bounds of the law, and competence.

**LS 438 TOPICS IN LAW3 Credits**

Topics selected to meet the needs of students in a special area of interest in law.

**Cross-Listed:** CJ438/LS438

**Prerequisites:** Junior or above status

**LS 442 HONORS IN LEGAL STUDIES3 Credits**

Selected courses and topics designed for upper division students with a grade point average of 3.25 or above in all course work.

**Cross-Listed:** CJ442/LS442

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** May be repeated up to a maximum of twelve (12) semester hours.

**LS 443 CORRECTIONAL LAW3 Credits**

A study of major legal issues surrounding sentencing, incarceration, probation, parole, pardon, and related topics. This course provides a general overview of the law relating to persons in prison, jail or within the corrections system. Also investigates how civil and criminal law affects facilities, community-based corrections, and personnel working in the correctional system.

**Cross-Listed:** CJ443/LS443

**Prerequisites:** Junior or above status

**LS 444 TOPICS IN TRANSACTIONAL LAW3 Credits**

Topics selected to meet the needs of students in a special area of interest in transactional law.

**Prerequisites:** Junior or above status

**LS 447 APPLIED ISSUES IN LEGAL STUDIES1-9 Credits**

Projects, workshops, field experiences and seminars that focus on a specialized area of Legal Studies.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

## Library Media Specialist (LMS)

**LMS 100 INFORMATION LITERACY1 Credit**

Students will be able to recognize an information need, access that information in multiple formats, evaluate/authenticate the information, discern the ethical implications of the knowledge construction and organize the information in a compelling and bibliographical manner.

**Cross-Listed:** EDUC100/LMS100

## Management (MGMT)

**MGMT 160 TOPICS IN MANAGEMENT1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in management.

**MGMT 230 PRINCIPLES OF MANAGEMENT3 Credits**

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 BEHAVIOR3 Credits**

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.

**Prerequisites:** MGMT 230 and Junior or above status

**MGMT 340 US HEALTHCARE SYSTEMS: ORGANIZATION AND DELIVERY3 Credits**

This is an introductory course presenting an overview of the U.S. healthcare delivery system. The course will summarize and explain key aspects of the U.S. healthcare delivery system, including the various provider types, funding mechanisms and public policy challenges

**Prerequisites:** Sophomore or above status

**MGMT 430 HUMAN RESOURCE MANAGEMENT3 Credits**

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.

**Prerequisites:** MGMT 230 and Junior or above status

**MGMT 432 PRODUCTION AND OPERATIONS MANAGEMENT3 Credits**

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, BA 336, MGMT 230, and Junior or above status

**MGMT 434 STRATEGIC MANAGEMENT3 Credits**

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.

**Essential Studies:** SLO #12

**Prerequisites:** ACTG 241, ACTG 242, BA 336, BA 337, BIS 231, BIS 332, ECON 231, ECON 232, FIN 330, MGMT 230, MKTG 231, and Senior status

**MGMT 460 TOPICS IN MANAGEMENT1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in management.

**Prerequisites:** Junior or above status

## Marketing/Entrepreneurship (MKTG)

**MKTG 160 TOPICS IN MARKETING/ENTREPRENEURSHIP1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in marketing/entrepreneurship.

**MKTG 231 PRINCIPLES OF MARKETING3 Credits**

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 TECHNIQUES3 Credits**

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.

**Prerequisites:** Sophomore or above status

**MKTG 334 NEW PRODUCT DEVELOPMENT3 Credits**

Explores the creative process and help students identify their own creative problem-solving styles. Students will have to develop innovative solutions centered around new product, service and process development. Students will learn to judge the quality of their creative solutions. Explore opportunities for product/service. Analyze the new product/service development process.

**Prerequisites:** Sophomore or above status

**MKTG 336 PROMOTIONS AND ADVERTISING3 Credits**

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.

**Prerequisites:** Sophomore or above status

**MKTG 337 SOCIAL MEDIA MARKETING3 Credits**

Explores integrating different social media technologies into a marketing plan, creating social media marketing campaigns, and applying appropriate social media tools. Examines ways to use social media technologies to create and improve marketing efforts for businesses.

**Prerequisites:** Sophomore or above status

**MKTG 338 CONSUMER BEHAVIOR3 Credits**

The application of conceptual material to marketing strategies to reach both consumer and industrial buyers. Incorporates the behavioral sciences to marketing through the study of buying patterns, decision-making, motivation, and consumer behavior.

**Prerequisites:** MKTG 231 and Sophomore or above status

**MKTG 435 MARKETING STRATEGY3 Credits**

A capstone course designed to acquaint the student with current marketing problems. Current readings on related marketing materials, in-depth studies of marketing plans and strategies, and/or marketing cases marketing simulation.

**Prerequisites:** MGMT 230, MKTG 231, and Senior status

**MKTG 439 BUSINESS AND MARKETING RESEARCH3 Credits**

Examines marketing research information for management decision making. Provides an understanding of marketing research. Examines alternative research strengths and weaknesses.

**Prerequisites:** BA 336, MKTG 231, and Junior or above status

**MKTG 460 TOPICS IN MARKETING/ENTREPRENEURSHIP1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in marketing/entrepreneurship.

**Prerequisites:** Junior or above status

## Mathematics (MATH)

**MATH 101 PRE-ALGEBRA3 Credits**

A comprehensive review of arithmetic involving whole numbers, fractions, decimals, and signed numbers. Students will solve problems involving ratios, proportions, percent and geometry. Basic algebra concepts including working with variables, simplifying expressions, solving equations, and graphing will be introduced. Students will be introduced to the basic features of a graphing calculator.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course does not meet Essential Studies or specific program requirements.

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 102 PRE-COLLEGE ALGEBRA3 Credits**

Problem-solving skills, applied algebra and geometry, and basic data analysis. The goal is to develop readiness for a college algebra or statistics course.

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course does not meet Essential Studies or specific program requirements.

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 133 INTRODUCTION TO MATHEMATICS3 Credits**

Everyday mathematics with practical applications. A study of various topics including estimation, consumer mathematics, finance, probability and statistics, with an emphasis on critical thinking and interpreting results as they relate to being an informed and productive citizen in our society.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 134 PLANE TRIGONOMETRY3 Credits**

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.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 135 PRE-CALCULUS MATHEMATICS3 Credits**

A mathematical modeling approach to diverse real-world applications in many fields. Algebraic analysis of polynomials, rational, exponential, and logarithmic functions. Trigonometry concepts such as circular functions, inverse functions, solving equations, Law of Sines and Cosines.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 137 MATHEMATICS TOPICS FOR ELEMENTARY TEACHERS3 Credits**

This course broadens and deepens students' knowledge of the mathematical content of the elementary and middle school grades. Throughout the course, students use conceptual models to make sense of mathematics, perform activities to develop new perspectives, and examine a variety of materials for teaching. These guided, collaborative, learning experiences help prospective teachers to become reflective practitioners who can develop a pedagogical framework to teach mathematics. The covered contents include: 1. Numbers and the Base-Ten System 2. Fractions and Problem Solving 3. Addition and Subtraction 4. Multiplication 5. Multiplication of Fractions, Decimals, and Negative Numbers 6. Division

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation.

**MATH 138 APPLIED CALCULUS3 Credits**

Differential and integral calculus with applications from business, economics, life sciences, physical sciences and social sciences.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 142 COLLEGE ALGEBRA4 Credits**

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.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 151 CALCULUS I5 Credits**

Traditional approach to limits, continuity, differential calculus with applications, and an introduction to integral calculus.

**Essential Studies:** SLO #4

**Prerequisites:** Advanced high school mathematics including trigonometry or MATH 134, MATH 135, Math Placement Exam or Math Faculty Recommendation

**MATH 200 INTRO TO DATA ANALYTICS3 Credits**

Introduction to statistical programming in R and its applications. Students will become familiar with the process, techniques, and goals of exploratory data analysis. Students will be able to create, assess, debug code effectively, and interpret their findings in an effective manner.

**Prerequisites:** MATH 151

**MATH 201 INTRO TO PROGRAMMATIC DATA3 Credits**

Introduction to programming: a wholistic approach to learning how to code with a lens toward Big Data principles. Topics include but are not limited to Datatypes, Immutables, Functions, Packages, Loops, Recursion, and an introduction to object oriented programming (OOP)

**Prerequisites:** MATH 151

**MATH 202 INTRO TO DATABASE STRUCTURES3 Credits**

Principles of the RDBMS, DBMS, Structured Query Language (SQL), MySQL, NoSQL, JSON, Remote Database Access, and API Requests.

**Prerequisites:** MATH 201

**MATH 232 APPLIED STATISTICS3 Credits**

Descriptive statistics and statistical inference, with applications from business, economics, life and social sciences. Cannot be used by Mathematics majors in their minor.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 235 MATHEMATICS FOR PROSPECTIVE ELEMENTARY AND MIDDLE SCHOOL TEACHERS I3 Credits**

This course broadens and deepens students' knowledge of the mathematical content of the elementary and middle school grades. Throughout the course, students use conceptual models to make sense of mathematics, perform activities to develop new perspectives, and examine a variety of materials for teaching. These guided, collaborative, learning experiences help prospective teachers to become reflective practitioners who can develop a pedagogical framework to teach mathematics. The covered contents include: 1. Ratio and Proportional Relationships 2. Number Theory 3. Algebra 4. Statistics 5. Probability

**Prerequisites:** MATH 137 or equivalent

**Notes:** Does not apply toward Essential Studies mathematics requirement.

**MATH 236 HISTORY OF MATHEMATICS3 Credits**

Students will learn about the development of mathematics from the early Egyptian period to modern times, study prominent mathematicians and their major accomplishments, and know about many classical and modern mathematical problems.

**Essential Studies:** SLO #8

**MATH 237 HISTORY AND FOUNDATIONS OF MATHEMATICS3 Credits**

Logic, proof, relations, sets, functions, and history of mathematics.

**Prerequisites:** MATH 142 or MATH 151

**MATH 238 MATHEMATICS FOR THE ELEMENTARY TEACHER II3 Credits**

Geometry, probability, and statistics for elementary and middle grade levels. Does not apply toward Essential Studies mathematics requirement.

**Prerequisites:** MATH 235

**MATH 239 DISCRETE MATHEMATICS3 Credits**

Graph theory, matrices, recurrence relations, linear programming, difference equations, combinatorics, Boolean algebra, and trees. Applications included.

**Essential Studies:** SLO #4

**Add Consent:** Department Consent

**Requirements:** Math Placement Exam or Math Faculty Recommendation

**MATH 252 CALCULUS II5 Credits**

Integral calculus with applications of differentiation and integration. Sequences and series.

**Prerequisites:** MATH 151

**MATH 270 SPECIAL TOPICS1-3 Credits**

Special topics appropriate for lower division credit.

**Notes:** May be repeated with different emphases for up to six hours of credit.

**MATH 301 DATA LIFE CYCLE AND APPLICATION DEVELOPMENT3 Credits**

Principles of the Data Life Cycle and Management, Applying DLM principles to a real world scenario and data situations, Applying programming principles to learning additional languages

**Prerequisites:** MATH 202 and sophomore or above status

**MATH 302 APPLIED 'BIG DATA'3 Credits**

Machine learning, simple and linear regression, principal component analysis, neuro-linguistic programming, visualizations, and additional topics relevant to the field of "Big Data" analysis and applications

**Prerequisites:** MATH 301 and sophomore or above status

**MATH 330 DIFFERENTIAL EQUATIONS3 Credits**

Theory and solutions of ordinary differential equations and systems of differential equations. Modeling of science, engineering, and social science problem situations and phenomena, including power series methods.

**Prerequisites:** MATH 252 and Sophomore or above status

**MATH 331 PROBABILITY AND STATISTICS3 Credits**

Descriptive statistics, exploratory data analysis, probability, random variables and probability distributions, inferential statistics, point and interval estimation, hypothesis testing, correlation and regression. Applications from business, education, and science.

**Prerequisites:** MATH 151 or MATH 138 and Sophomore or above status

**MATH 334 COLLEGE GEOMETRY3 Credits**

Advanced plane geometry. Similar and congruent figures, logic, and constructions. Projective and other fields of geometry, both Euclidean and non-Euclidean.

**Prerequisites:** MATH 237 and Sophomore or above status

**MATH 336 CALCULUS III3 Credits**

Vector calculus and vector-valued functions, partial derivatives, multiple integrals, introduction to differential equations, and line and surface integrals.

**Prerequisites:** MATH 252 and Sophomore or above status

**MATH 337 LINEAR ALGEBRA3 Credits**

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.

**Prerequisites:** MATH 138 or MATH 151 and Sophomore or above status

**MATH 390 INTERNSHIP IN MATHEMATICS1-12 Credits**

Provides practical experience as a mathematician in government, business or industry. Open to upper division students major in the area of mathematics.

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, School Dean, and Academic Vice President is required.

**MATH 401 ADVANCED MATHEMATICS EDUCATION PERSPECTIVES3 Credits**

A capstone course for students in the Mathematics 7-12 Field Endorsement and the Middle Grades (5-9) 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.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**MATH 410 MATHEMATICS SEMINAR1 Credit**

Research, development, and presentation of a formal paper regarding some topic of interest in mathematics.

**Prerequisites:** Junior or above status and a minimum of 9 credit hours of upper division mathematics

**MATH 426 OPERATIONS RESEARCH3 Credits**

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 MATH 151 and MATH 232 or MATH 331 and Sophomore or above status

**MATH 427 NUMBER THEORY3 Credits**

Introduction to the Ring of integers, Euclidean Rings, Chinese Remainder Theorem, divisibility, primes, primitive roots, indices, congruencies, Diophantine equations, quadratic reciprocity, number-theoretic functions, and cryptography, with an emphasis on applications.

**Prerequisites:** MATH 237 and Sophomore or above status

**Dual-listed:** MATH 527

**MATH 429 INTRODUCTION TO MODERN ALGEBRA3 Credits**

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.

**Prerequisites:** MATH 237 with "C" and Junior or above status

**MATH 430 TOPICS IN MATHEMATICS1-3 Credits**

Topics to meet the needs of students who have completed the regular course of study.

**Prerequisites:** Junior or above status

**Notes:** Can be repeated with different emphasis for a maximum of 6 hours credit.

**MATH 433 STATISTICAL METHODS AND DATA ANALYSIS3 Credits**

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.

**Prerequisites:** MATH 232 or MATH 331 and Junior or above status

**MATH 434 INTRODUCTORY ANALYSIS3 Credits**

Structure and topology of the real number line. Completeness, compactness, connectedness. Rigorous treatment of limits, sequences, series, convergence, functions and continuity, derivatives, and selected topics on integration theory.

**Prerequisites:** MATH 237 with "C" and Junior or above status

**MATH 435 SAMPLING TECHNIQUES3 Credits**

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.

**Prerequisites:** MATH 232 or MATH 331 and Junior or above status

**MATH 437 MODERN ALGEBRA3 Credits**

Axiomatic approach to rings, integral domains, polynomials, fields, ideals and factor rings, selected topics in abstract algebra, and an introduction to vector spaces and algebraic coding theory.

**Prerequisites:** MATH 429 and Junior or above status

**MATH 438 NUMERICAL ANALYSIS3 Credits**

Numerical modeling of phenomena using interpolation and approximation, systems of linear equations, integration, and numerical solutions to differential equations.

**Prerequisites:** MATH 252, MATH 330 and Junior or above status

**MATH 439 THEORY OF STATISTICS3 Credits**

Joint distribution concepts, conditional expectations, method of distribution functions, transformation, method of moment-generating functions, order statistics, sampling distributions, central limit theorem, continuous and discrete random variables.

**Prerequisites:** MATH 151, MATH 232 or MATH 331 and Junior or above status

**MATH 440 MATH EDUCATION STANDARDS3 Credits**

An integrated content/pedagogy course on mathematics teaching, assessment, and curriculum standards, based on major content areas of the K-12 curriculum.

**Prerequisites:** 50% of endorsement completed and junior or above status

**MATH 441 COMBINATORICS3 Credits**

Basic Counting Rules, Graph Theory, Generating Functions, Recurrence Relations, Inclusion and Exclusion with prime numbers, Polya's Theory of Counting, the Pigeonhole Principle and Latin Squares

**Prerequisites:** MATH 151 or MATH 138 and Junior or above status

**Dual-listed:** MATH 541

## Military Science & Leadership (MSL)

**MSL 101 INTRODUCTION TO THE ARMY2 Credits**

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.

**Essential Studies:** SLO #9

**Co-requisites:** MSL 101L

**MSL 101L INTRODUCTION TO THE ARMY LABORATORY1 Credit**

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.

**Essential Studies:** SLO #9

**Co-requisites:** MSL 101

**MSL 102 FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP1 Credit**

Learn and apply principles of effective leadership. Reinforce self-confidence through participation in physically and mentally challenging exercise with upper-division ROTC students. Develop communication skill to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader.

**Co-requisites:** MSL 102L

**MSL 102L FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP****LABORATORY1 Credit**

Provides students with hands-on experience to supplement and reinforce classroom instruction. Subjects addressed include drill and ceremonies, physical fitness training, marksmanship, first aid, rappelling and basic mountaineering skills, voluntary off campus activities reinforce course work.

**Co-requisites:** MSL 102

**MSL 109 MILITARY FITNESS3 Credits**

Military fitness is a conditioning course designed to provide students with military fitness training techniques and methods used in the U.S. Army. This course will primarily be work-out oriented with emphasis on physical fitness goals and demonstrated student participation in physical training activities.

**Essential Studies:** SLO #11

**MSL 201 LEADERSHIP AND DECISION MAKING1 Credit**

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 ROTC's leadership assessment program.

**Co-requisites:** MSL 201L

**MSL 201L LEADERSHIP AND DECISION MAKING LABORATORY1 Credit**

Students will develop leadership and management skills by being given the opportunity to perform duties in various leadership positions. Emphasis is placed on the development of leadership and managerial skills. Course is supplemented with instruction on the use of a lensatic compass and a topographic map, as well as various survival skills. Voluntary off campus activities reinforce course work.

**Co-requisites:** MSL 201

**MSL 202 ARMY DOCTRINE AND TEAM DEVELOPMENT1 Credit**

Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security and methods of pre-execution checks. Practical exercises with upper-division ROTC students. Learn techniques for training others as an aspect of continued leadership development.

**Co-requisites:** MSL 202L

**MSL 202L ARMY DOCTRINE AND TEAM DEVELOPMENT LABORATORY1 Credit**

Students are provided the opportunity to reinforce classroom leadership and management training with practical experience. Students will also receive training in small unit tactics and use of the m-16 rifle. Voluntary off campus activities reinforce course work.

**Co-requisites:** MSL 202

**MSL 301 TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS2 Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 301L

**MSL 301L TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS<sup>2</sup> Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 301

**MSL 302 APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS<sup>2</sup> Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 302L

**MSL 302L APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS LABORATORY<sup>2</sup> Credits**

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.

**Prerequisites:** Sophomore or above status

**Co-requisites:** MSL 302

**MSL 394 ADVANCED MILITARY SCIENCE INTERNSHIP<sup>1-12</sup> Credits**

Provide practical experience within the military environment.

**Notes:** See military advisor to secure the proper documents and assignment approvals for the internship.

**MSL 401 THE ARMY OFFICER<sup>2</sup> Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 401L

**MSL 401L THE ARMY OFFICER LABORATORY<sup>2</sup> Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 401

**MSL 402 COMPANY GRADE LEADERSHIP<sup>2</sup> Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 402L

**MSL 402L COMPANY GRADE LEADERSHIP LABORATORY<sup>2</sup> Credits**

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.

**Prerequisites:** Junior or above status

**Co-requisites:** MSL 402

**MSL 403 3RD YEAR ADV MILITARY SCIENCE I<sup>2</sup> Credits**

Provides a transition to entering active or reserve commissioned service, including an in-depth study of military decision making, giving experience in planning and conducting squad and platoon level military exercises and leadership. Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills.

**Prerequisites:** Junior or above status

**MSL 404 3RD YEAR ADV MILITARY SCIENCE II<sup>2</sup> Credits**

Provides an in-depth study of military decision-making, giving experience in planning and conducting military exercises at squad and platoon level, including an opportunity to develop leadership techniques. Study includes case study analysis of military law and practical experiences on establishing an ethical command climate. Students must complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills.

**Prerequisites:** MSL 401, MSL 402, MSL 403, and Junior or above status

**MSL 411 DEVELOPING SUBORDINATE LEADERS I<sup>3</sup> Credits**

Advanced study in management skills involved with leadership within the armed forces. Includes practical experience working with cadets in leadership functions.

**Prerequisites:** Junior or above status

**MSL 412 DEVELOPING SUBORDINATE LEADERS II<sup>3</sup> Credits**

A continuation of MSL 411 for students requiring the fifth year.

**Prerequisites:** Junior or above status

**Notes:** Students may enroll in only one of the courses or both at the advice of their military advisor.

**MSL 491 ADV INTERNSHIP IN LEADERSHIP<sup>1-3</sup> Credits**

Provide practical experience in leadership role within a military environment.

**Notes:** See military advisor to secure the proper documents and assignment approvals for the internship.

**MSL 494 LEADER DEVELOPMENT & ASSESSMENT<sup>3</sup> Credits**

Summer Camp experience at a base facility. This experience will include assessments of the cadets.

## Museum Studies (MS)

**MS 160 SPECIAL TOPICS IN MUSEUMS<sup>1-3</sup> Credits**

Special topics of current interest are considered in depth. Topics may include caring for photographs, textiles, and historic costumes. May be repeated with a different topic. There are usually no prerequisites for these courses.

**Notes:** Multiple sections of this course cannot be substituted for another course in the Museum Studies Program.

**MS 235 INTRODUCTION TO ARCHIVAL COLLECTIONS<sup>3</sup> Credits**

This course will introduce students to the history and social value of records and archives, the theory of archival practice, and to the applications of archival theory in the digital world.

**MS 319 HISTORY AND THEORY OF MUSEUMS<sup>3</sup> Credits**

This course is an introduction to and survey of the history and philosophy of the development of the museum in America and Western Europe. In addition, students will learn about the different types of museums and influential people who helped in the development of the modern museum profession.



**MS 330 MANAGEMENT AND CARE OF COLLECTIONS3 Credits**

This course will introduce students to the professional principles and practices in the care and management of collections housed in museums and research facilities. Topics covered will include museum registration methods, cataloging, collection care, agents of deterioration, and application of the rules of properly handling, storing and caring for museum collections.

**Prerequisites:** Sophomore or above status

**MS 331 EXHIBIT DESIGN3 Credits**

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 as well as learn basic principles of exhibit design, fabrication, and preparation techniques. Students are also introduced to exhibition-related conservation issues and assessment of visitor needs.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**MS 333 MUSEUM ADMINISTRATION3 Credits**

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.

**Prerequisites:** Sophomore or above status

**MS 340 MUSEUM EDUCATION3 Credits**

This course introduces students to the educational role of museums and informal learning centers. A variety of methods including hands-on activities, self-teaching materials, technology, outreach, tours are explored through exercises and projects. Issues covered include current trends, learning theories and styles, learning from objects, diverse audiences, museum/school partnerships and the role of education in exhibit development.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**MS 390 INTERNSHIP IN MUSEUM STUDIES1-12 Credits**

Students will gain practical experience while working with a museum or collection. Open to upper division students.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 qualification of the applicant and the number of hours the student can work.

## Music (MUS)

**MUS 100 ELECTIVE PRIVATE MUSIC INSTRUCTION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100A ELECTIVE PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100B ELECTIVE PRIVATE MUSIC INSTRUCTION/BASS GUITAR1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100C ELECTIVE PRIVATE MUSIC INSTRUCTION/BASSOON1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100D ELECTIVE PRIVATE MUSIC INSTRUCTION/CELLO1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100E ELECTIVE PRIVATE MUSIC INSTRUCTION/CLARINET1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100F ELECTIVE PRIVATE MUSIC INSTRUCTION/FLUTE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100G ELECTIVE PRIVATE MUSIC INSTRUCTION/FRENCH HORN1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100H ELECTIVE PRIVATE MUSIC INSTRUCTION/OBOE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100I ELECTIVE PRIVATE MUSIC INSTRUCTION/ORGAN1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100J ELECTIVE PRIVATE MUSIC INSTRUCTION/PERCUSSION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100K ELECTIVE PRIVATE MUSIC INSTRUCTION/PIANO1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100L ELECTIVE PRIVATE MUSIC INSTRUCTION/SAXOPHONE1****Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100M ELECTIVE PRIVATE MUSIC INSTRUCTION/TROMBONE1****Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100N ELECTIVE PRIVATE MUSIC INSTRUCTION/TRUMPET1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100O ELECTIVE PRIVATE MUSIC INSTRUCTION/MUSIC****COMPOSITION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100P ELECTIVE PRIVATE MUSIC INSTRUCTION/TUBA1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100Q ELECTIVE PRIVATE MUSIC INSTRUCTION/VIOLIN1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100S ELECTIVE PRIVATE MUSIC INSTRUCTION/VOICE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100T ELECTIVE PRIVATE INSTRUCTION/IMPROVISATION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100U ELECTIVE PRIVATE MUSIC INSTRUCTION/GUITAR1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100W ELECTIVE PRIVATE MUSIC INSTRUCTION/WOODWIND1****Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100X ELECTIVE PRIVATE MUSIC INSTRUCTION/JAZZ****IMPROVISATION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 100Y ELECTIVE PRIVATE MUSIC INSTRUCTION/COLLAB PIANO1****Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Add Consent:** Instructor Consent

**MUS 101 STUDENT RECITAL0 Credits**

Course includes selective student performances by music majors and minors and supplemental instruction related to private music lessons. Registration is required each semester for all full-time music majors and minors enrolled in applied music courses.

**MUS 102 WIND SYMPHONY1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**MUS 103 CONCERT CHOIR1 Credit**

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.

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**MUS 104 VOCAL JAZZ ENSEMBLE1 Credit**

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 BAND1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 106 JAZZ AND POP COMBO1 Credit**

Open to all students who qualify by auditions. This ensemble gives a minimum of one concert performance each semester.

**MUS 107 WOODWIND ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 108 BRASS ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 109 PERCUSSION ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**MUS 110 KEYBOARD ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Essential Studies:** SLO #5

**MUS 111 GUITAR ENSEMBLE1 Credit**

Guitar ensemble offers practical experience in the study and performance of standard and avant-garde repertoire for the modern electric guitar.

**Essential Studies:** SLO #5

**Add Consent:** Instructor Consent

**Notes:** This course can satisfy 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.

**MUS 112 MUSIC THEORY FOUNDATIONS3 Credits**

This course prepares students for successful completion of the music theory sequence. Skills emphasized include music reading and writing, ear training, and fundamental concepts of music theory, including major and minor keys, intervals, and triads.

**MUS 115 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115A PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115B PRIVATE MUSIC INSTRUCTION/BASS GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115C PRIVATE MUSIC INSTRUCTION/BASSOON1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115E PRIVATE MUSIC INSTRUCTION/CLARINET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115F PRIVATE MUSIC INSTRUCTION/FLUTE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115G PRIVATE MUSIC INSTRUCTION/FRENCH HORN1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115H PRIVATE MUSIC INSTRUCTION/OBOE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115J PRIVATE MUSIC INSTRUCTION/PERCUSSION1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115K PRIVATE MUSIC INSTRUCTION/PIANO1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115L PRIVATE MUSIC INSTRUCTION/SAXOPHONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115M PRIVATE MUSIC INSTRUCTION/TROMBONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115N PRIVATE MUSIC INSTRUCTION/TRUMPET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115P PRIVATE MUSIC INSTRUCTION/TUBA1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115S PRIVATE MUSIC INSTRUCTION/VOICE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 115U PRIVATE MUSIC INSTRUCTION/GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 116 PIANO CLASS FOUNDATIONS I1 Credit**

Beginning-level piano instruction for music majors and minors with little or no prior keyboard experience.

**MUS 117 PIANO CLASS FOUNDATIONS III1 Credit**

Continuation of MUS 116. Fundamental keyboard skills for music majors and minors with prior keyboard experience. Students will learn major scales and arpeggios, simple chord progressions, 12-Bar blues, sight-reading skills, fundamentals of harmonization and transposition at the keyboard, and the basics of music improvisation.

**Prerequisites:** MUS 116

**MUS 118 PIANO CLASS FOUNDATIONS IIII Credit**

Continuation of MUS 117. Further development of keyboard skills. Students will learn harmonic minor scales and arpeggios, more advanced sight-reading, harmonizations and transpositions that include 7th chords, more complex chord progressions, basics of instrumental and choral score reading, improvisation, and basic accompanying skills.

**Prerequisites:** MUS 117

**MUS 120 CHADRON STATE COMMUNITY CHORUS0-1 Credits**

The Chadron Community Chorus is a choir of mixed voices and is open to all students and community members without audition. This choir performs a wide array of literature from standard to contemporary choral repertoire and gives at least one concert performance each semester.

**Notes:** This course may be taken for repeated credit.

**Requirements:** All students who are enrolled full-time must take this course for credit.

**MUS 121 CHADRON STATE COMMUNITY SYMPHONIC BAND0-1 Credits**

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

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**Requirements:** All students who are enrolled full-time must take this course for credit.

**MUS 122 CSC REGIONAL JAZZ BAND0-1 Credits**

The CSC Regional Jazz Band brings together college students, area high school students, and community members to study, rehearse, and perform jazz music. Open to all who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Notes:** This course may be taken for repeated credit.

**Requirements:** All students who are enrolled full-time must take this course for credit.

**MUS 124 WOMEN'S VOCAL ENSEMBLE1 Credit**

Open to all women by audition. This ensemble performs regular concerts covering a variety of styles and musical genres.

**MUS 125 MEN'S VOCAL ENSEMBLE1 Credit**

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 EAGLE BAND0-1 Credits**

Open to all students who qualify by audition. The Eagle Band serves the college and community through performance at parades, football games, and basketball games.

**MUS 131 THEORY I3 Credits**

This course focuses on the rudiments of Western classical music, including intervals, chords, and scales, and introduces students to the principles of tonal harmony.

**Prerequisites:** MUS 112 or permission of music theory coordinator

**Co-requisites:** MUS 131L and MUS 117.

**MUS 131L THEORY I LABORATORY1 Credit**

Development of aural skills through singing and active listening and is coordinated with the content of Theory I.

**Co-requisites:** MUS 131

**MUS 132 THEORY II3 Credits**

Basic principles of Western harmony, utilizing and analytical and compositional skills to develop an understanding of structural components in tonal music.

**Prerequisites:** MUS 131 and MUS 131L

**Co-requisites:** MUS 132L and MUS 118

**MUS 132L THEORY II LABORATORY1 Credit**

This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory II, including examination of phrase structure.

**Prerequisites:** MUS 131L

**Co-requisites:** MUS 132

**MUS 141 MUSIC PATHWAYS: CREATING YOUR CAREER2 Credits**

Music Pathways helps students create their own path toward a career in music, investigating degree options and examining the skills involved for success professionally. Students will consider how various musical skills impact career choices. Students will consider options for themselves as they plan their study at Chadron State College. This course is offered every fall semester.

**MUS 149 EAGLE DRUM LINE1 Credit**

The CSC Eagle Drum Line performs at events sponsored by various organizations on the CSC campus and also at events sponsored by groups and institutions off-campus. Events may include but are not limited to CSC sporting events, parades, pep rallies, grand openings, conferences, faculty meetings, and other events by request.

**Add Consent:** Instructor Consent

**Requirements:** Open to students who qualify by audition. Previous experience in music is required.

**MUS 155 MUSIC TECHNOLOGY2 Credits**

Technology is now an integral part of any career in music. Knowledge of sound files, notation software, and sound reinforcement is essential for any professionals in the field. This class will explore programs that are vital within the music industry.

**MUS 156 MUSIC TECHNOLOGY IN EDUCATION3 Credits**

Current and future music educators are in perpetual need of developing new techniques in the music classroom. Innovations can continue to be developed through the use of computer programs designed to enhance pedagogy in the music curriculum, PK-12. This class will not only explore programs that meet the current industry standard, but also include study of freeware available for programs on a budget.

**MUS 199 ADMISSION TO CANDIDACY0 Credits**

Performance assessment required of all music majors during the second semester of enrollment in private music instruction.

**Prerequisites:** At least one prior semester of MUS 115 and must be taken concurrently with MUS 115

**Co-requisites:** MUS 131L or department consent

**MUS 215 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215A PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215B PRIVATE INSTR: BASS GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215C PRIVATE MUSIC INSTRUCTION/BASSOON1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215E PRIVATE MUSIC INSTRUCTION/CLARINET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215F PRIVATE MUSIC INSTRUCTION/FLUTE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215G PRIVATE MUSIC INSTRUCTION/FRENCH HORN1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215H PRIVATE MUSIC INSTRUCTION/OBOE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215J PRIVATE MUSIC INSTRUCTION/PERCUSSION1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215K PRIVATE MUSIC INSTRUCTION/PIANO1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215L PRIVATE MUSIC INSTRUCTION/SAXOPHONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215M PRIVATE MUSIC INSTRUCTION/TROMBONE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215N PRIVATE MUSIC INSTRUCTION/TRUMPET1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215P PRIVATE MUSIC INSTRUCTION/TUBA1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215S PRIVATE MUSIC INSTRUCTION/VOICE1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 215U PRIVATE MUSIC INSTRUCTION/GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** Two semesters of MUS 115

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 216 GUITAR CLASS3 Credits**

Beginner-level guitar instruction designed for the non-music major student. The basic elements of playing the guitar, including both chordal and solo techniques. Guitars are provided.

**Essential Studies:** SLO #5

**MUS 220 FUNCTIONAL PIANO2 Credits**

Students will develop skills in nine areas of keyboard playing: (1) harmonization, (2) improvisation, (3) sight-reading, (4) instrumental and (5) choral score-reading, (6) performance of major and minor scales, (7) transposition, (8) playing by ear, and (9) repertoire preparation.

**Prerequisites:** MUS 118 or departmental approval

**Co-requisites:** MUS 298

**MUS 227 SURVEY OF MUSIC HISTORY3 Credits**

Survey of Music History will examine the history of Western Classical music, including the Medieval, Renaissance, Baroque, Classical, Romantic, and 20th-Century periods, considering the cultural, social, economic, psychological, and political aspects of human behavior.

**Prerequisites:** MUS 131

**MUS 230 VOICE CLASS FOR NON-MAJORS1 Credit**

Beginning vocal instruction and master class for non-music majors. Includes a study of vocal techniques and their application in selected vocal literature.

**Essential Studies:** SLO #5

**Notes:** This course may be taken for repeated credit.

**MUS 231 THEORY III3 Credits**

This course applies the skills learned in Theory I and II to the structural level, exploring approaches to chromaticism and modulation, and utilizing these techniques through composition and analysis of Baroque, Classical, and Romantic forms.

**Prerequisites:** MUS 132 and MUS 132L

**Co-requisites:** MUS 231L and MUS 220

**MUS 231L THEORY III LABORATORY1 Credit**

This course focuses on the development of aural skills through singing and active listening and is coordinated with the content of Theory III, including aural recognition of structure.

**Prerequisites:** MUS 132L

**Co-requisites:** MUS 231

**MUS 232 THEORY IV2 Credits**

This course introduces and explores a broad range of analytical and compositional techniques and issues relevant to twentieth-century music. Topics will include pitch-class set theory, atonality, 12-tone techniques, serialism, and polytonality, and will include synthesizing concepts in compositions.

**Prerequisites:** MUS 131 and Sophomore or above status

**MUS 233 MUSIC FOR THE CLASSROOM TEACHER3 Credits**

Materials and methods pertaining to the integration of music in the elementary classroom. Stresses demonstration and class participation.

**Notes:** It is strongly recommended that students with no background in music take MUS 112 prior to taking MUS 233.

**Requirements:** Required for all elementary education majors.

**MUS 235 MUSIC APPRECIATION3 Credits**

This course focuses on how to listen to and appreciate the human and cultural values of various styles of music as well as learning the significance of music as cultural and aesthetic expression.

**Essential Studies:** SLO #7

**Notes:** For non-music majors.

**MUS 236 TOPICS IN MUSIC0-3 Credits**

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.

**Notes:** May be repeated with different emphasis.

**MUS 237 JAZZ IMPROVISATION I2 Credits**

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 238 DICTION I2 Credits**

This course covers the study of diction in three languages: Latin, Italian, and Spanish. The International Phonetic Alphabet will be used in analyzing song texts in terms of diction and pronunciation.

**Prerequisites:** Sophomore or above status

**MUS 239 DICTION II2 Credits**

This course covers the study of diction in three languages: German, French, and English. The International Phonetic Alphabet will be used in analyzing song texts in terms of diction and pronunciation.

**Prerequisites:** MUS 238

**MUS 240 PRINCIPLES OF CONDUCTING2 Credits**

A study of basic conducting techniques. Emphasis is placed upon the mastery of simple patterns, cues and expressive gestures and on common problems in leading group singing and in directing musical ensembles.

**MUS 250 MUSIC EDUCATION PRACTICUM, VOCAL1 Credit**

Techniques of voice production. Will include evaluations of the scientific, psychological, physiological, and empirical methods of teaching voice. Techniques of developing the young voice will be emphasized. This course is offered in the fall of odd-numbered years.

**Notes:** This course is offered in the fall of odd-numbered years.

**MUS 251 MUSIC EDUCATION PRACTICUM, FIELD0-1 Credits**

Introduction to the study of the voice, wind, percussion, and string instruments. Students will gain practical performing skills for public school teachers.

**Notes:** May be taken for repeated credit.

**MUS 252 MUSIC EDUCATION PRACTICUM, VOCAL1 Credit**

Students will complete any remaining student learning outcomes introduced in MUS 250.

**Prerequisites:** MUS 250

**MUS 267 THE VIRTUAL MUSICIAN3 Credits**

In this course, we will explore how to create, sample, mix, loop, and edit digital music using GarageBand. This course is designed for non music majors. No prior music reading or playing skills are necessary.

**Essential Studies:** SLO #5

**MUS 268 BASIC PIANO SKILLS3 Credits**

Beginning-level group piano instruction for students with no prior piano playing experience. This course is designed for non music majors. No prior music reading or playing skills are necessary.

**Essential Studies:** SLO #5

**MUS 298 PIANO PROFICIENCY EXAM0 Credits**

Students will demonstrate acquired skills in the following areas of keyboard playing: (1) harmonization, (2) sight-reading, (3) instrumental and (4) choral score-reading, (5) performance of major and harmonic minor scales, (6) transposition, and (7) repertoire preparation.

**Co-requisites:** MUS 220 or departmental approval

**MUS 299 SOPHOMORE QUALIFYING EXAM0 Credits**

Performance assessment required of all music majors prior to enrollment into upper-division private music instruction. A student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215) to present the qualifying exam.

**Prerequisites:** MUS 199 and at least one prior semester of MUS 215

**Co-requisites:** MUS 215 and MUS 220

**MUS 300 ELECTIVE PRIVATE MUSIC INSTRUCTION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300A ELECTIVE PRIVATE MUSIC INSTRUCTION/BARITONE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300B ELECTIVE PRIVATE MUSIC INSTRUCTION/BASS1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent



**MUS 300R ELECTIVE PRIVATE MUSIC INSTRUCTION/REPAIR TECHNIQUES1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300S ELECTIVE PRIVATE MUSIC INSTRUCTION/VOICE1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300U ELECTIVE PRIVATE MUSIC INSTRUCTION/GUITAR1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300V ELECTIVE PRIVATE MUSIC INSTRUCTION/RECORD TECHNIQUES1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**MUS 300W ELECTIVE PRIVATE INSTRUCTION/WOODWIND1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300X ELECTIVE PRIVATE INSTRUCTION/JAZZ IMPROVISATION1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300Y ELECTIVE PRIVATE MUSIC INSTRUCTION/COLLABORATIVE PIANO1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 300Z ELECTIVE PRIVATE MUSIC INSTRUCTION/SONGWRITING1 Credit**

Open to non-majors as well as to majors studying on a secondary basis, according to instructor availability. Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar, bass, and composition.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 302 WIND SYMPHONY1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**Notes:** This course may be taken for repeated credit.

**MUS 303 CONCERT CHOIR1 Credit**

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.

**Essential Studies:** SLO #5

**Prerequisites:** Sophomore or above status

**Notes:** This course may be taken for repeated credit.

**MUS 304 VOCAL JAZZ ENSEMBLE1 Credit**

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.

**Prerequisites:** Sophomore or above status

**MUS 305 JAZZ BAND1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 306 JAZZ AND POP COMBO1 Credit**

Open to all students who qualify through auditions. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 307 WOODWIND ENSEMBLE1 Credit**

Open to all students who qualify through audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 308 BRASS ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 309 PERCUSSION ENSEMBLE1 Credit**

Open to all students who qualify through audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 310 KEYBOARD ENSEMBLE1 Credit**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** Sophomore or above status

**MUS 311 GUITAR ENSEMBLE1 Credit**

Guitar Ensemble offers practical experience in the study and performance of standard and avant-garde repertoire for the modern electric guitar.

**Essential Studies:** SLO #5

**Notes:** This course satisfies 1 credit hour toward Essential Studies Student Learning Outcome (SLO) 5 and may be taken for repeated credit.



**MUS 312 CHORAL HISTORY AND LITERATURE2 Credits**

The course examines the history of choral music, from Gregorian chant through the 20th century, highlighting the significant changes in the ensemble.

**Prerequisites:** Sophomore or above status

**MUS 315 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315A PRIVATE MUSIC INSTRUCTION/EUPHONIUM1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315B PRIVATE MUSIC INSTRUCTION/BASS1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315C PRIVATE MUSIC INSTRUCTION/BASSOON1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315E PRIVATE MUSIC INSTRUCTION/CLARINET1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315F PRIVATE MUSIC INSTRUCTION/FLUTE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315G PRIVATE MUSIC INSTRUCTION/FRENCH HORN1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315H PRIVATE MUSIC INSTRUCTION/OBOE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315J PRIVATE MUSIC INSTRUCTION/PERCUSSION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315K PRIVATE MUSIC INSTRUCTION/PIANO1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315L PRIVATE MUSIC INSTRUCTION/SAXOPHONE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315M PRIVATE MUSIC INSTRUCTION/TROMBONE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315N PRIVATE MUSIC INSTRUCTION/TRUMPET1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315O PRIVATE COMPOSITION AND ANALYSIS1-2 Credits**

Individual instruction in composition and/or analysis. Students will set semester goals in conjunction with the instructor.

**Prerequisites:** MUS 132 and Sophomore or above status

**Notes:** The course is repeatable since goals will change each semester.

**MUS 315P PRIVATE MUSIC INSTRUCTION/TUBA1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315R SURVEY OF INSTRUMENT REPAIR TECHNIQUES1-2 Credits**

This laboratory course is designed to introduce students to repair techniques for the most common wind band instruments. Students will learn about the mechanical properties, the assessment of playing condition, and basic techniques for repairing instruments.

**Prerequisites:** Sophomore or above status

**MUS 315S PRIVATE MUSIC INSTRUCTION/VOICE1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315U PRIVATE MUSIC INSTRUCTION/GUITAR1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315V PRIVATE RECORDING TECHNIQUES1-2 Credits**

An introduction to recording techniques using computer-based digital recording with standard software. This course will prepare students to produce demo records and include training in studio setup, signal flow, microphone placement, editing, plug-ins and mixing.

**Prerequisites:** Music major and Sophomore or above status

**Notes:** Open to all music majors or by permission of the instructor.

**MUS 315X PRIVATE JAZZ IMPROVISATION1-2 Credits**

Individual instruction in piano, organ, voice, percussion, brass instruments, woodwind instruments, and stringed instruments.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 315Z PRIVATE MUSIC INSTRUCTION/SONGWRITING1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 299 and Sophomore or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 321 CHORAL CONDUCTING2 Credits**

Study of conducting techniques and choral literature.

**Prerequisites:** MUS 240 and Sophomore or above status

**Co-requisites:** MUS 220 and MUS 251, MUS 252, MUS 351, or MUS 352

**MUS 322 INSTRUMENTAL CONDUCTING2 Credits**

Techniques of conducting instrumental organizations and the study of instrumental literature.

**Prerequisites:** MUS 240 and Sophomore or above status

**Co-requisites:** MUS 220 and MUS 251, MUS 252, MUS 351, or MUS 352

**MUS 324 WOMEN'S VOCAL ENSEMBLE1 Credit**

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.

**Prerequisites:** Sophomore or above status

**MUS 325 MEN'S VOCAL ENSEMBLE1 Credit**

Open to all men by audition. This ensemble performs regular concerts covering a variety of styles and genres. Members must also enroll in Concert Choir.

**Prerequisites:** Sophomore or above status

**MUS 326 EAGLE BAND1 Credit**

Open to all students who qualify by audition. The Eagle Band serves the college and community through performance at parades, football games, and basketball games.

**Prerequisites:** Sophomore or above status

**MUS 330 AMERICAN POPULAR MUSIC3 Credits**

A perspective of the history of American popular music that combines the study of cultural and social history with an analytical study of music styles. This course identifies three streams (African, European, and Latin American) of musical characteristics found in American popular music and traces the evolution of these characteristics from their origins beginning in the mid-18th century into the 21st century. Critical listening skills are learned through the practice of listening and sharing what is heard through discussions using a common music vocabulary.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**MUS 335 RECORDING TECHNIQUES I2 Credits**

An introduction to recording techniques using computer-based digital recording with other software. This course will prepare students to operate Pro Tools recording software and will include training in editing, MIDI, using plug-ins and mixing.

**Notes:** Open to all music majors and non-majors.

**MUS 340 BUSINESS OF PRIVATE TEACHING3 Credits**

Practical issues of operating an independent music teaching studio. Issues such as recruitment, retention, contracts, studio policies, income tax and maintaining consistent monthly income will be discussed in depth.

**Prerequisites:** Sophomore or above status

**MUS 341 MUSIC INDUSTRY I3 Credits**

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 342 MUSIC INDUSTRY II3 Credits**

A study of the music industry including career options, music products, booking and promoting concerts, independent artist strategies, and developing a music business plan.

**Prerequisites:** MUS 341

**MUS 345 RECORDING TECHNIQUES II2 Credits**

This course will teach students to produce their own recordings and include training in studio setup, signal flow, microphone placement and other studio audio recording techniques.

**Prerequisites:** MUS 335 and sophomore or above status

**MUS 349 EAGLE DRUM LINE1 Credit**

The CSC Eagle Drum Line performs at events sponsored by various organizations on the CSC campus and also at events sponsored by groups and institutions off-campus. Events may include but are not limited to CSC sporting events, parades, pep rallies, grand openings, conferences, faculty meetings, and other events by request.

**Prerequisites:** Sophomore or above status

**Requirements:** Open to students who qualify by audition. Previous experience in music is required.

**MUS 351 MUSIC EDUCATION PRACTICUM FIELD1 Credit**

Continuation of MUS 251. Students will gain more practical performing experience, but will also begin peer teaching in these areas.

**Prerequisites:** Sophomore or above status

**Notes:** May be taken for repeated credit.

**MUS 352 MUSIC EDUCATION PRACTICUM, FIELD1 Credit**

Culmination of the MUS 251 and 351 courses. Students will complete the remaining student learning outcomes introduced in MUS 251 and 351.

**Prerequisites:** MUS 351 and Sophomore or above status

**MUS 355 HISTORY OF JAZZ3 Credits**

A historically organized introduction to jazz styles, focusing on the develop of the music through culture. Designed to explore the cultural and aesthetic achievements in jazz history.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**MUS 357 INSTRUMENTATION & ARRANGING2 Credits**

This course provides an overview of the characteristics for instruments of the wind band and orchestra, and introduces the student to techniques of scoring for a variety of instrumental combinations. Students will also explore challenges typically encountered in elementary and secondary instrumental ensembles.

**Prerequisites:** MUS 131 and Sophomore or above status

**MUS 362 KEYBOARD SKILLS FOR THE CLASSROOM TEACHER2 Credits**

Refinement of keyboard skills with direct application to the music education environment, with emphasis in harmonization, score reading and accompanying.

**Prerequisites:** MUS 220 and sophomore or above status

**MUS 363 ACCOMPANYING TECHNIQUES2 Credits**

This course covers the basic elements of accompanying instrumentalists and vocalists at the piano. Students will be assigned collaborative repertoire appropriate to their skill level.

**Prerequisites:** MUS 220 or permission of the instructor and Sophomore or above status

**Add Consent:** Instructor Consent

**MUS 364 PIANO PEDAGOGY2 Credits**

Various practical and pedagogical aspects of teaching piano. The course will include a survey of piano teaching materials, particularly the methods, and specifics related to teaching and learning styles.

**Prerequisites:** At least one semester of MUS 215K or permission and sophomore or above status

**MUS 369 MUSIC AND CIVIC ENGAGEMENT3 Credits**

The course provides an overview of the field of music therapy and musical involvement within the community. Students will examine ethical concerns for musicians serving a community. A key component of the course will be group projects, focused on event planning in Chadron or the region.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**MUS 390 INTERNSHIP IN MUSIC1-12 Credits**

Provides practical experience in the music products industry or the entertainment industry.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 397 SOLO JUNIOR HALF RECITAL, APPLIED0 Credits**

A 25 to 30-minute solo performance of literature from the 300-level list for the applied area. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date.

**Prerequisites:** Two (2) hours of MUS 315

**Co-requisites:** Two (2) hours of MUS 315

**MUS 399 SOLO HALF-RECITAL0 Credits**

A 25 to 30 minute solo performance. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective music faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date.

**Prerequisites:** MUS 298, at least one prior semester of MUS 315 and Sophomore or above status

**Co-requisites:** MUS 315

**MUS 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of Instructor, Dean and Academic Vice President is required.

**MUS 402 WIND SYMPHONY0 Credits**

Open to all students who qualify by audition. This ensemble gives a minimum of one concert performance each semester.

**Prerequisites:** MUS 299

**Add Consent:** Instructor Consent

**Notes:** This 400-level course is a 0 credit option available only to music education majors who have successfully completed MUS 299-Sophomore Qualifying Exam.

**Requirements:** Music education major

**MUS 403 CONCERT CHOIR0 Credits**

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.

**Prerequisites:** MUS 299

**Add Consent:** Instructor Consent

**Notes:** This 400-level course is a 0 credit option available only to music education majors who have successfully completed MUS 299-Sophomore Qualifying Exam.

**Requirements:** Music education major

**MUS 413 JAZZ AND POP ARRANGING2 Credits**

The course covers harmonies with upper extensions, rhythm section writing, and instrument ranges for all sections of the jazz big band. Additionally, students will study approaches to harmonization and arranging in jazz, culminating in a big band arrangement.

**Prerequisites:** MUS 131 and Junior or above status

**MUS 415 PRIVATE MUSIC INSTRUCTION1-2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415A PRIVATE MUSIC INSTRUCTION/BARITONE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415B PRIVATE MUSIC INSTRUCTION/GUITAR2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415C PRIVATE MUSIC INSTRUCTION/BASSOON2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415E PRIVATE MUSIC INSTRUCTION/CLARINET2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415F PRIVATE MUSIC INSTRUCTION/FLUTE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415G PRIVATE MUSIC INSTRUCTION/FRENCH HORN2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415H PRIVATE MUSIC INSTRUCTION/OBOE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415J PRIVATE MUSIC INSTRUCTION/PERCUSSION2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415K PRIVATE MUSIC INSTRUCTION/PIANO2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415L PRIVATE MUSIC INSTRUCTION/SAXOPHONE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415M PRIVATE MUSIC INSTRUCTION/TROMBONE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415N PRIVATE MUSIC INSTRUCTION/TRUMPET2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415P PRIVATE MUSIC INSTRUCTION/TUBA2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415S PRIVATE MUSIC INSTRUCTION/VOICE2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 415U PRIVATE MUSIC INSTRUCTION/GUITAR2 Credits**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments, guitar and bass.

**Prerequisites:** MUS 399 and Junior or above status

**Co-requisites:** MUS 101

**Add Consent:** Department Consent

**MUS 423 KEYBOARD HISTORY AND LITERATURE2 Credits**

The course studies the invention of the piano and its impact on Western musical culture from the 18th to 20th centuries. The course will focus on piano literature from major figures in the Classical and Romantic eras.

**Prerequisites:** Junior or above status

**MUS 430 TOPICS IN MUSIC0-3 Credits**

Examines a special topic in music. Topics vary from semester to semester. May be repeated.

**Prerequisites:** Junior or above status

**MUS 431A ELEMENTARY MUSIC METHODS2 Credits**

An instructional methods course in the major field of content specialization required of music education majors pursuing content area endorsement in PK-12 Vocal Music and a field endorsement in PK-12 Music.

**Prerequisites:** Junior or above status

**MUS 431C SECONDARY CHORALE METHODS2 Credits**

An instructional methods course in vocal music required of music education majors pursuing a vocal music endorsement for PK-12 or a music field endorsement for PK-12.

**Prerequisites:** Junior or above status

**MUS 431D SECONDARY INSTRUMENTAL METHODS2 Credits**

An instructional methods course in instrumental music required of music education majors pursuing music field endorsement for PK-12.

**Prerequisites:** Junior or above status

**MUS 432 TOPICS IN MUSIC HISTORY AND LITERATURE<sup>2</sup> Credits**

The course focuses on various topics through the lens of music history. Topics will consider the social, cultural, economic, and political factors of the course's focus.

**Prerequisites:** MUS 131 and Junior or above status

**Notes:** Since the topics rotate and will not duplicate more than once every four semesters, this course may be taken for repeated credit.

**MUS 439 SEMINAR IN MUSIC<sup>1-3</sup> Credits**

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.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**MUS 499 SOLO FULL RECITAL<sup>0</sup> Credits**

A 45 to 55 minute solo performance. The performing student must have a cumulative GPA of 3.00 on his/her major instrument or voice (MUS 115/215/315/415) in order to present the recital. Additionally, the student must receive the recommendation of the private instructor and the collective music faculty at a pre-recital hearing held at least three weeks prior to the scheduled recital date.

**Prerequisites:** At least one prior semester of MUS 415

**Co-requisites:** MUS 415

## Nutrition and Dietetics (NTR)

**NTR 110 INTRODUCTION TO NUTRITION AND ALLIED HEALTH PROFESSIONS<sup>2</sup> Credits**

This course will introduce the field of nutrition and dietetics as a registered dietitian nutritionists as well as the history of the profession, future career options, and paths. The course will cover the major and curriculum requirements, evidence-based practice, scope of practice, licensure, political & legal aspects regarding the field, nutritional and food science principles, how it relates to the human physiological chemistry, food chemistry, and society. This course will also provide an introduction to new and emerging technologies in the field of nutrition and dietetics. Guest speakers across campus and professionals in the field will offer expertise regarding field experience, professionalism, and the state of health and nutrition for various populations in the surrounding area.

**NTR 210 COMPLEMENTARY AND ALTERNATIVE MEDICINE<sup>3</sup> Credits**

This course will explore the interconnectedness of the mind, body, and spirit by exploring various alternative medicines and therapies. Evidence-based research and practice will be applied to determine the validity and ethics of these practices and how they can be used in addition to nutrition therapy. Students will be required to gain understanding and knowledge of many of these practices, to understand medical compatibility and incompatibilities, possible medication disruptions, and any beneficial or harmful nutrition outcomes. Fad-diets will also be covered

**NTR 250 FOOD SERVICE AND HOSPITALITY<sup>3</sup> Credits**

This course will provide an introduction to food systems management with an emphasis on quantity food production, sanitation, and food safety, procurement, cost control, labor management, distribution, and service. It will also provide introductory-level experience with leadership, employee development, budgeting, and financial management.

Students will also be required to prepare for and complete the ServSafe certification training as part of the course. (Lab Fee Associated, ServSafe certification will be a separate fee for which the student is responsible at the time of their proctored exam.).

**Prerequisites:** FCS 136 and FCS 136L

**Co-requisites:** NTR 250L

**NTR 250L FOOD SERVICE AND HOSPITALITY LABORATORY<sup>1</sup> Credit**

The lab section for this class will provide hands-on training and experience with food preparation, planning, budgeting, serving. Also, inputs, outputs, kitchen design, inventory, and other managerial responsibilities will be implemented. A lab fee will be associated with this course.

**Prerequisites:** FCS 136 and FCS 136L

**Co-requisites:** NTR 250

**NTR 260 LIFECYCLE NUTRITION<sup>3</sup> Credits**

This course will provide knowledge and understanding of cognitive, psychological, physical, and nutritional needs throughout all the developmental stages of the lifecycle, including prenatal, infant, toddler, school-age, adolescents, adulthood, and older age. This course will also cover key nutritional needs, chronic diseases, and nutritional disorders related to each developmental stage, as well as medial nutrition practices, such as ADIME to correct and improve the needs of that person, individual, or population. Services and programs related to specific age and cultural groups will also be discussed.

**NTR 300 NUTRITION AND METABOLISM<sup>3</sup> Credits**

This course will provide advanced perspectives on the biochemical and physiological processes of the body and how that corresponds to nourishment from macronutrients: carbohydrates, fat, and protein. Correlation with other nutrient interactions and environmental aspects will be explored to determine the nutritional and potential chronic disease outcome possibilities. Basic information from different disciplines relating to bodily functions and structure will be summarized to comprehend nutritional biochemistry and metabolism at normal and diseased states when nutrient availability is altered. This course will also cover nutritional genomics

**Prerequisites:** FCS 247 and sophomore or above status

**NTR 310 MICRONUTRIENT METABOLISM<sup>3</sup> Credits**

This course will provide a detailed understanding of digestion, absorption, transport, and biochemical roles or pathways for various vitamins and minerals. Micronutrient requirements will be examined and provide an in-depth view of how micronutrient deficiencies and toxic doses can correspond to multiple nutritional and disease outcomes. Students will also be required to recall food-specific sources for these vitamins and minerals, as well as research and analyze current scholarly information and popular nutrition claims to think, analyze, and evaluate nutrition information critically.

**Prerequisites:** FCS 247 and sophomore or above status

**NTR 320 NUTRITION EDUCATION AND COUNSELING<sup>3</sup> Credits**

This course will provide detailed instruction, guidance, and practice conducting nutrition screening, assessments, diagnosis, and evaluation in a variety of settings, including health care, communities, clinics, social program clinics, schools, and in private practice. This will include behavior change theory application, development, and usage of educational activities, communication skills, professional ethics, goal-setting, and counseling. Students will conduct several case-study assessments and hands-on activities to begin practicing communication skills, creative and critical thinking skills, and application of nutritional disease management.

**Prerequisites:** Sophomore or above status

**NTR 450 MEDICAL NUTRITION THERAPY I3 Credits**

This course will provide an introduction to various chronic disease conditions and how to use the Nutrition Care Process, including Nutrition Screening, Assessment, Nutrition Diagnosis, and Evaluation of Nutrition Care Plans. Medical Nutrition Therapy application in this course will include weight management, eating disorders, upper and lower gastrointestinal disorders, cardiovascular diseases, and endocrine disorders.

**Prerequisites:** NTR 300, NTR 310 and Junior or above status

**NTR 460 MEDICAL NUTRITION THERAPY II3 Credits**

This course will provide an introduction to various chronic disease conditions and how to use the Nutrition Care Process, including Nutrition Screening, Assessment, Nutrition Diagnosis, and Evaluation of Nutrition Care Plans. Medical Nutrition Therapy application in this course will include acid-base balance, neurological disease and disorders, respiratory diseases, renal disease, metabolic stress, cancer, enteral and parenteral feeding.

**Prerequisites:** NTR 450 and Junior or above status

## Philosophy (PHIL)

**PHIL 100 READING AND WRITING PHILOSOPHY3 Credits**

Core issues in philosophy with a focus on the development of reading and writing skills.

**Co-requisites:** ENG 111

**PHIL 231 INTRODUCTION TO PHILOSOPHY3 Credits**

A study of traditional and contemporary approaches to major philosophical issues.

**Essential Studies:** SLO #7

**PHIL 233 SYMBOLIC LOGIC3 Credits**

A study of methods for systematic, critical evaluations of assertions and arguments.

**Essential Studies:** SLO #4

**PHIL 269 ETHICS, SOCIETY AND CURRENT ISSUES3 Credits**

A study of the relationship between the development of a personal ethic and its application to social issues and the exercise of citizenship.

**Essential Studies:** SLO #9

**PHIL 336 BIOMEDICAL ETHICS3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**PHIL 337 ENVIRONMENTAL ETHICS3 Credits**

A philosophical study of ethical issues that involve the relationship between humans and their natural environment. Topics to be covered might include theories of nature, animal rights, pollution, consumption patterns and multicultural perspectives.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**PHIL 340 PHILOSOPHY ON THE RANGE3 Credits**

A philosophical approach to exploring values, culture, and problems of the High Plains region. Topics vary and can include issues relevant to environmental ethics, natural beauty, socioeconomics, rural politics, rangeland science, and the cultural identities of the region.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**PHIL 360 PHILOSOPHY OF GENDERS3 Credits**

An introduction to philosophical questioning through the study of gender. Topics that may be explored are: the nature and reality of gender; the reality and effects of gender norms and gender roles in the family, work, and society; privilege and oppression; and the intersection of gender and other identities such as race or religion.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**PHIL 370 CIVIL DISCOURSE AND CIVIC VIRTUE3 Credits**

A theoretical and practical examination of what sort of personal character and interpersonal discourse to be present for our democracy to flourish.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

**PHIL 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Advanced study or research in a special field of philosophy.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Permission of Instructor, Dean and Academic Vice President required.

**PHIL 432 ETHICS3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

## Physics (PHYS)

**PHYS 151 COLLEGE PHYSICS I3 Credits**

Principles of mechanics, sound, thermodynamics, and fluid mechanics.

**Prerequisites:** MATH 134, MATH 135, MATH 138, MATH 142, or MATH 151

**Co-requisites:** PHYS 151L

**PHYS 151L COLLEGE PHYSICS I LABORATORY1 Credit**

Laboratory exercises in College Physics I.

**Co-requisites:** PHYS 151

**PHYS 152 COLLEGE PHYSICS II3 Credits**

Principles of electricity, magnetism, light, optics and modern physics.

**Prerequisites:** PHYS 151 and PHYS 151L

**Co-requisites:** PHYS 152L

**PHYS 152L COLLEGE PHYS II LABORATORY1 Credit**

Laboratory exercises in College Physics II.

**Co-requisites:** PHYS 152

**PHYS 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

**PHYS 241 UNIVERSITY PHYSICS I4 Credits**

The principles of mechanics, heat and sound. Differential and integral calculus applied.

**Prerequisites:** MATH 252

**Co-requisites:** PHYS 241L

**PHYS 241L UNIVERSITY PHYSICS I LABORATORY1 Credit**

Laboratory exercises in University Physics I.

**Co-requisites:** PHYS 241L

**PHYS 242 UNIVERSITY PHYSICS II4 Credits**

Principles of magnetism, electricity, and optics. Differential and integral calculus applied.

**Prerequisites:** PHYS 241 and PHYS 241L

**Co-requisites:** PHYS 242L

**PHYS 242L UNIVERSITY PHYS II LABORATORY1 Credit**

Laboratory exercises in University Physics II.

**Co-requisites:** PHYS 242

**PHYS 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits**

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.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

**PHYS 471J INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor and School Dean is required.

## Political Science (PS)

**PS 101 INTRODUCTION TO POLITICAL SCIENCE3 Credits**

Learn how political scientists study and understand the world of politics.

Major concepts in the discipline will be learned and applied from a comparative perspective. Different methodological approaches to studying politics will be investigated, as well as the different analytical frameworks political scientists employ. Students will also learn about the various subfields within the discipline, including Comparative Politics, International Politics, American Politics, Political Behavior, and Political Economy.

**Essential Studies:** SLO #8

**PS 110 U.S. POLITICS AND CIVIC ENGAGEMENT3 Credits**

Institutional and cultural approaches to American government and politics. Students will engage in inquiry about the nature of government and democracy and study the founding of the United States system of government as they evaluate their personal ideological and political values and seek opportunities to contribute positively to a more democratic society.

**Essential Studies:** SLO #9

**PS 210 POLITICS AND ECONOMICS3 Credits**

Analyzes the relationship between politics and economics. The class investigates this relationship by examining an array of institutions, to include the sub-national, the nation-state and the supra-national. Students will acquire knowledge of basic economic concepts and theories and develop methodological literacy needed to understand political and economic research. Further, students will understand the role of political economy in historical explanation.

**Cross-Listed:** HIST 210/PS 210

**PS 321 U.S. POLITICS AND GOVERNMENT3 Credits**

U.S. constitutional system, political process, and governmental institutions from an historical perspective. Emphasis will be placed on American political development. Topics include constitutionalism, federalism, civil liberties, civil rights, public opinion, mass political behavior, campaigns and elections, the legislative process, presidential powers, and judicial powers. While the focus is on national politics, special attention will be paid to Nebraska politics and government.

**Essential Studies:** SLO #8

**Prerequisites:** ENG 135, ENG 136 or 19 on ACT English test and Sophomore or above status

**PS 325 RURAL AND FRONTIER POLITICAL ECONOMY3 Credits**

This course explores the economies, societies and governments of rural America, and the politics relevant to center-periphery relations. Furthermore, it places rural and frontier political economy in comparative perspective through the study of these topics in selected countries.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**Notes:** This course is required for Political Science minors and is an elective for Social Science majors.

**PS 332 GLOBAL POLITICS3 Credits**

The structure of the nation-state system and the processes of political activity both within and between states with an emphasis on historical perspectives of global political development. Processes of governance, conflict within and between states and non-state actors, economic development, globalization, and ideologies from a variety of theoretical and empirical perspectives. This course combines traditional political science subfields of comparative politics and international relations.

**Essential Studies:** SLO #10

**Prerequisites:** PS 101 and Sophomore or above status

**PS 333 CONSTITUTIONAL LAW3 Credits**

A study of the development of the American governmental system through judicial interpretation of the Constitution. This class is rooted in the conviction that constitutional interpretation is an intricate blend of politics, economics, history, and competing values. This class will emphasize the institutional development of the Court, the evolving role of the judiciary, legislative and executive branches, the dominant theories of constitutional interpretation, the politics of judicial selection, and the ongoing relevance of constitutional interpretation.

**Cross-Listed:** CJ333/LS333/PS333

**Prerequisites:** Sophomore or above status

**PS 337 INTRODUCTION TO LAW3 Credits**

A study of the American legal system, legalism in society and the relationship between law and justice. This course examines the structures of our legal system and considers economic, social, and political implications as they influence the development of a rule of law. Historical and present legal controversies will be examined.

**Cross-Listed:** CJ337/LS337/PS337

**Prerequisites:** Sophomore or above status

**PS 390 INTERNSHIP IN POLITICAL SCIENCE1-12 Credits**

Provides practical experience in political science in a state or federal agency or other relevant office.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Notes:** 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 availability of a suitable work position, the qualifications of the applicant and the work hours.

**PS 400 INDEPENDENT STUDY/RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of the Instructor, Dean and Academic Vice President is required.

**PS 401 STUDY ABROAD IN POLITICS1-3 Credits**

This course provides students the opportunity to study politics abroad. In addition to the experiential component of the course, students will 1) produce either a reflection essay that places their study abroad experience within some aspect of the political science literature, or 2) compose a research paper that includes field-work and other research methods. The number of units for this course will vary based on the scope of the work additional to the study abroad experience.

**Essential Studies:** SLO #10

**Prerequisites:** Junior or above status

**PS 410 POLITICAL INQUIRY3 Credits**

Methods of inquiry in political science will be discussed and applied. Methods will include controlled comparisons, process tracing, interpretive approaches, survey methods, experiments, and linear regression. Students will design and execute projects to apply these research methodologies as they develop an expertise in a substantive topic in political science.

**Prerequisites:** PS 101 and Sophomore or above status

**PS 420 AMERICAN POLITICAL THOUGHT3 Credits**

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-WW II era.

**Prerequisites:** Junior or above status

**PS 429 ISLAM AND POLITICS3 Credits**

The relationship between the religion of Islam and contemporary politics will be analyzed. This relationship will be considered in the context of democratic politics, forms of authoritarian governance, and contentious politics in the Muslim-majority world as well as minority politics in the United States and Western Europe.

**Essential Studies:** SLO #10

**Prerequisites:** PS 101 and Sophomore or above status

**Dual-listed:** PS 529

**PS 430 TOPICS IN POLITICAL SCIENCE1-3 Credits**

Special topics in Political Science.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with a change of emphasis.

**PS 431 HISTORY OF POLITICAL THOUGHT3 Credits**

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.

**Essential Studies:** SLO #7

**Prerequisites:** Junior or above status

**PS 434 CONGRESS AND THE PRESIDENCY3 Credits**

This course will examine the structures and processes of Congress and the Presidency, and how the two institutions interact with one another. Topics will include constituency and partisan influences, organizational structures, and decision-making processes in both branches of government. The course will highlight the independent and dynamic nature of inter-branch relations, with an emphasis on the evolving constitutional system of the United States.

**Prerequisites:** Junior or above status

**PS 436 FIELD STUDY IN POLITICAL SCIENCES3 Credits**

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.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**PS 439 DEMOCRACY: U.S. AND THE WORLD3 Credits**

The concept of political democracy will be critically analyzed in both historical and contemporary discourses. The emergence and evolution of political democracy will be covered with an emphasis on American political culture and institutions and frequent comparisons to other advanced democracies and developing democracies around the world.

**Prerequisites:** PS 101 and Sophomore or above status

**Dual-listed:** PS 539

## Professional Development Course (PDCE)

PDCE 201 PROFESSIONAL DEVELOPMENT1-3 Credits

## Psychological Sciences (PSYC)

**PSYC 131 INTRODUCTION TO PSYCHOLOGICAL SCIENCES3 Credits**

The course provides an overview of the subfields in current scientific psychology including the biology of behavior, motivation and learning, cognition, development, personality and social psychology. Emphasis is placed on the use of scientific methods to investigate, interpret and describe psychological phenomena.

**Essential Studies:** SLO #8

**PSYC 160 SPECIAL TOPICS IN PSYCHOLOGY1-3 Credits**

Special topics of current interest in psychology are considered in depth. **Notes:** Students may take more than one special topics course for credit when topics have different course content.

**PSYC 231 EDUCATIONAL PSYCHOLOGY3 Credits**

Reviews key theories and research on human learning and development as applied to student-learning assessment and effective instruction. Fifteen hours of school observation are required.

**Prerequisites:** EDUC 131 with a grade of C or better

**PSYC 234 COGNITIVE PSYCHOLOGY3 Credits**

This course introduces the core psychological processes involved in thinking and cognition, including perception, attention, memory, language, decision making and problem solving.

**Prerequisites:** PSYC 131



**PSYC 240 STATISTICS FOR PSYCHOLOGY3 Credits**

Methods used in summarizing data and generalizing research results are examined. Students develop skills in descriptive and inferential data analysis in the context of psychological research. Students explore statistical software. Familiarity with algebraic processes is assumed.

**Essential Studies:** SLO #4

**Prerequisites:** PSYC 131

**PSYC 242 MEASUREMENT AND RESEARCH DESIGN3 Credits**

Students explore a variety of data collection methods and how they relate to research questions. Students also develop hypotheses, understand the role of ethics in research, participate in psychological studies and prepare research papers.

**Prerequisites:** PSYC 131 and PSYC 240 (can also be taken as a co-requisite)

**Requirements:** Lab fees required.

**PSYC 243 ABNORMAL PSYCHOLOGY3 Credits**

Students study the past and contemporary theories of abnormal behavior, Diagnostic and Statistical Manual of Mental Disorders (DSM) and other taxonomies, and explore research explaining adaptive and maladaptive human behavior.

**Prerequisites:** PSYC 131

**PSYC 251 SOCIAL PSYCHOLOGY3 Credits**

This course investigates the science of social influences on human thought and behavior. Topics include how we view others, interpersonal attraction, attitudes, group relations, conformity and leadership.

**Prerequisites:** PSYC 131

**PSYC 254 DEVELOPMENTAL PSYCHOLOGY3 Credits**

Major theories and research in human developmental psychology are explored including biological, cognitive and psychosocial development from conception through adulthood.

**Prerequisites:** PSYC 131

**PSYC 330 HEALTH PSYCHOLOGY3 Credits**

Health psychology examines the impact of behavior and mental state on one's health. We will focus on the impact of psychological and cultural factors on promotion and maintenance of health, the development of illness, and the management and treatment of illness.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

**PSYC 341 SPORT, EXERCISE AND PERFORMANCE PSYCHOLOGY3 Credits**

This course focuses on the application of psychology theory, research and practice to skilled human performance in sports and other areas. Mental health of skilled performers will be addressed, as well as career paths in a growing area of psychology with applications in sports and other skilled performance areas.

**Prerequisites:** PSYC 131 and sophomore or above status

**PSYC 342 CLINICAL PSYCHOLOGY3 Credits**

Survey of the science and practice of clinical psychology, including diagnoses and evaluations, interventions and prevention strategies for use with clinical populations, cultural applications, and ethical issues in the clinical profession.

**Prerequisites:** PSYC 131, 243 and sophomore or above status

**PSYC 343 PSYCHOLOGY AND LAW3 Credits**

Students will learn about how theory, research and practice in psychological science is applied in the legal system. Relevant research and theory in social, cognitive, clinical and developmental psychology will provide insight about many aspects of the legal system, and improve understanding of how psychology impacts all persons involved.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

**PSYC 344 INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY3 Credits**

This course addresses the sub-field of industrial-organizational psychology, which is concerned with how psychological science is applied to the workplace, with the goals of building better organizations, and improving the well-being and performance of individuals within organizations.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

**PSYC 346 PSYCHOLOGY OF GENDER3 Credits**

This course provides an overview of theory and research on the biological, psychological, and social aspects of gender. Differences and similarities between men and women's behavior and cognitive processes will be discussed, as well as how perceptions of gender affect behavior and cognition. Current issues and research in gender identity will be addressed.

**Prerequisites:** PSYC 131 for Psychological Sciences majors and Sophomore or above status

**PSYC 390 INTERNSHIP IN PSYCHOLOGY3 Credits**

Students interested in practical experiences in psychology.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 RESEARCH3 Credits**

Guided independent research in the area of psychology.

**Prerequisites:** PSYC 131

**Add Consent:** Department Consent

**Notes:** The number of credit hours varies in accordance with the topic and the amount of work required.

**Requirements:** Permission of the advisor, the instructor, and the Dean of Professional Studies and Applied Sciences required.

**PSYC 401 TOPICS IN PSYCHOLOGY3 Credits**

Individual academic needs of those registered in this course will be accommodated. Normally, the instructor will select the topic in psychology.

**Prerequisites:** PSYC 131 and permission of the advisor, the instructor, and the Dean of the School of Education, Human Performance, Counseling, Psychology and Social Work

**Add Consent:** Instructor Consent

**Requirements:** Permission of the advisor, the instructor, or the Dean of Professional Studies and Applied Sciences.

**PSYC 421 CULTURE AND PSYCHOLOGY3 Credits**

Current methods and research findings in the field of cross-cultural psychology. The impact of culture on behavioral and psychological processes such as perception, cognition, development, psychopathology and social behavior is explored.

**Essential Studies:** SLO #10

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 430 INTRODUCTION TO BEHAVIORAL NEUROSCIENCE3 Credits**

This course surveys neural morphology and physiology and, more generally biology's role in the future of scientific psychology. Students examine how the brain drives and reflects behavior.

**Essential Studies:** SLO #6

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 435 THEORIES OF PERSONALITY3 Credits**

Major theoretical orientations and research in personality psychology are explored.

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 442 HISTORY OF PSYCHOLOGY3 Credits**

Survey of the historical background of psychology, emphasizing its philosophical and scientific origins and evolution of the psychological sciences. Contributions of major schools of psychology are emphasized.

**Prerequisites:** PSYC 131 and Junior or above status

**PSYC 499 ADVANCED RESEARCH METHODS3 Credits**

Psychological sciences majors develop and complete a research project including data collection and analysis, as well as preparation of an APA Style research report. This course builds on knowledge from earlier classes and helps students develop skills valued in graduate school and careers.

**Prerequisites:** PSYC 131, PSYC 240, PSYC 242, and Junior or above status

## Reading (READ)

**READ 400 SPECIAL TOPICS IN READING1-3 Credits**

Recent trends and issues in the field of reading.

**READ 430 READING AND WRITING IN THE MIDDLE AND SECONDARY SCHOOLS3 Credits**

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:** EDUC 131, PSYC 231, SPED 230, EDUC 224, EDUC 300, and junior or above status

**Add Consent:** Department Consent

**READ 431 IMPROVEMENT OF INSTRUCTION IN READING3 Credits**

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.

**Prerequisites:** EDUC 131, PSYC 231, SPED 230, EDUC 224, EDUC 300, and junior or above status

## Social Science (SS)

**SS 323 LAW AND AMERICAN SOCIETY3 Credits**

Nature, functions, and limits of law and its impact on economic, political, and social institutions.

**Cross-Listed:** LS323/SS323

**Prerequisites:** Sophomore or above status

**SS 390 INTERNSHIP IN SOCIAL SCIENCE1-12 Credits**

Provides practical experience in social science in a social or governmental agency. Open to upper division students majoring in one of the social sciences.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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 395 SEMINAR IN THE SOCIAL SCIENCES3 Credits**

Required for all History, History Education and Social Science majors.

Students will understand Social Science methodologies and integrate knowledge and skills developed over the curriculum. Culminates the interdisciplinary focus of the program and produces a synthetic understanding of a topic/problem that is demonstrated in original scholarly research.

**Cross-Listed:** HIST 395/SS395

**Prerequisites:** Junior or above status

**SS 400 INDEPENDENT STUDY/RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean and Academic Vice President is required.

**SS 430 TOPICS IN SOCIAL SCIENCE1-3 Credits**

Special topics in Social Science.

**Prerequisites:** Junior or above status

**Notes:** May be repeated with a change of emphasis.

## Social Work (SW)

**SW 230 TOPICS IN SOCIAL WORK1-3 Credits**

Special topics in social work.

**Notes:** May be repeated with a change of emphasis.

**SW 231 PROFESSIONAL SOCIAL WORK3 Credits**

Surveys the social work profession, including but not limited to social work leaders of the present and past, social work theories, beliefs, values, and ethics, social work fields of practice, methods, special populations, and human diversity in a rural area. Introduces systems theory, person-in-environment and U.S. political spectrum. Discusses the social work code of ethics. Students engage in personal values clarification relative to this code.

**SW 251 HUMAN BEHAVIOR/SOCIAL ENVIRONMENT I3 Credits**

Examines theories of human development from prenatal to old age using a multidimensional, multicultural perspective that includes bio-physical, psychological, social, economic, and spiritual. Students apply developmental knowledge to understand person and environment and demonstrate introductory level practice behaviors in observation and interviewing.

**SW 252 HUMAN BEHAVIOR/SOCIAL ENVIRONMENT II3 Credits**

Examines theories and perspectives on human behavior in organizations and communities, including political-economic motivations, expectation sets, joining behaviors in the rural context. Competencies for dealing with power differentials, negotiation and coalition building are addressed. Issued associated with race/ethnicity, minority status, disabilities, and economic status involving vulnerable populations or at-risk population are emphasized. Students apply developmental knowledge and multidimensional perspectives through self-reflection, observations, interviews, and written analysis.

**Prerequisites:** SW 251

**SW 271 SOCIAL WELFARE HISTORY AND SERVICE DELIVERY SYSTEMS3 Credits**

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.

**Prerequisites:** SW 231, SW 251, and SW 252

**SW 330 DIVERSITY IN THE RURAL ENVIRONMENT4 Credits**

Examines practice competencies needed for generalist social work practice in the context of the rural setting. Social issues (poverty, isolation, transportation, and housing) and theories related to the life experience of African Americans, Native Americans, Asian Americans, and Hispanic Americans. Explores cultures and heritages of these groups along with other social groups such as women and sexual minorities in the rural context. Discusses factors of service provision with emphasis on capacity building in rural communities and issues of accommodation, acculturation, and assimilation.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**SW 331 SERVICES TO CHILDREN AND FAMILIES3 Credits**

Needs of children and families and services appropriate to satisfy these needs. Focuses on difficulties, strategies for intervention based upon a multi-cultural strengths perspective and rural practice context. Social services for children and families are identified. Practice behaviors for legal and protective intervention, court process, and a variety of treatment interventions are explored. Field trips and/or agency guest lecturers provide an opportunity for on-site observation.

**Prerequisites:** Sophomore or above status

**SW 332 SERVICES TO ELDERLY AND DIFFERENTLY ABLED2 Credits**

Practice behaviors and competencies of generalist social work practice with the geriatric population are addressed. Needs of the elderly and the physically and mentally differently abled are explored. Intervention and advocacy on behalf of these vulnerable populations is emphasized. Current services and alternatives will be considered. Rural context, myths and values will be discussed along with specific treatment modalities.

**Co-requisites:** SW 435 and Sophomore or above status

**Notes:** Professional social work program course.

**SW 338 CROSS CULTURAL PRACTICE SKILLS3 Credits**

Explores the practice skills and cultural competencies necessary to practice social work with peoples of color, specifically Native Americans, African Americans, Hispanic Americans and Asian Americans. Examines the historical and regional context of social service interventions, current areas of need and skills and competencies required to provide social work interventions within a cross-cultural setting.

**Prerequisites:** SW 271 and Sophomore or above status

**SW 339 ALCOHOL AND SUBSTANCE ABUSE3 Credits**

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 chemical abuse and dual diagnosis of substance and mental illness. Ethno cultural factors in substance dependency are examined.

**Prerequisites:** Sophomore or above status

**SW 340 MENTAL HEALTH SOCIAL WORK3 Credits**

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.

**Prerequisites:** Sophomore or above status

**SW 343 RESEARCH METHODS3 Credits**

Introduces qualitative and quantitative world views, basic research methods, including developing single subject, survey and grounded theory research designs to evaluate practice. Students develop competencies with critiques of research articles and application of existing social work knowledge and empirical research to design multi-level interventions and evaluation methods with individuals, families, groups, communities, and organizations. Students will demonstrate beginning generalist competency through individual and group projects. Professional social work program course.

**Prerequisites:** SW 231, SW 251, SW 252, SW 271 and MATH 232 or PSYC 242 and Sophomore or above status

**Co-requisites:** SW 343L

**Add Consent:** Department Consent

**SW 343L RESEARCH METHODS LABORATORY1 Credit**

Students apply knowledge of qualitative research methods generated from class instruction and discussion in SW 343, Research Methods. Students complete qualitative research assignments as assigned by instructor.

**Prerequisites:** Sophomore or above status

**Co-requisites:** SW 343

**Add Consent:** Department Consent

**Notes:** Professional Social Work course.

**SW 371 INTERNATIONAL SOCIAL WELFARE3 Credits**

Examines globalization, salient global issues, development of institutions of social welfare, and their impact on social well-being, and human need. The role of international organizations, sustainable agriculture, economic development, alternate economic structures, political systems, and policies in third world nations are examined. Emphasis is placed on the relationship between human rights, social, and distributive justice and social intervention.

**Essential Studies:** SLO #10

**Prerequisites:** Sophomore or above status

**SW 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor and Dean is required.

**SW 430 TOPICS IN SOCIAL WORK1-3 Credits**

Special topics in social work.

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a change of emphasis.

**SW 431 GENERALIST METHODS LABORATORY1 Credit**

Students acquire knowledge and practice behavior skill in professional use of self in various interpersonal situations, including professional interviewing, therapeutic relationships, and personal assertiveness. Students record role plays with peer evaluations, individually complete programmed learning exercises to demonstrate engagement, assessment, intervention planning with clients and evaluation of practice.

**Prerequisites:** SW 231, SW 251, SW 252, SW 271, and Junior or above status

**Co-requisites:** SW 432

**Add Consent:** Department Consent

**Notes:** Professional Social Work Program course.

**SW 432 METHODS I: INDIVIDUALS AND FAMILIES3 Credits**

Examines social work interventions with individuals and families based upon social work research and theory, particularly resilience and the strength's perspective. Examines approaches to assessment, planning, implementation, and evaluation. Specific emphasis is given to social work practice behaviors and considerations of diversity when working with individuals and families.

**Prerequisites:** SW 231, SW 251, SW 252, SW 271, and Junior or above status

**Co-requisites:** SW 431

**Add Consent:** Department Consent

**Notes:** Professional Social Work Program course.

**SW 433 METHODS II:THERAPEUTIC AND TASK GROUPS3 Credits**

Examines a broad range of groups, with emphasis on group theory, the nature and uses of therapeutic and task groups, including: group development, dynamics, facilitation skills, group assessments and outcome evaluation. Students demonstrate competencies, practice behaviors, and application of critical thinking, social work ethics in simulations and role plays with emphasis on assessment, design, and interventions with multi-cultural individuals, families, organizations and communities.

**Prerequisites:** SW 343, SW 432, and Junior or above status

**Notes:** Professional social work program course.

**SW 434 POLICY ANALYSIS AND ADVOCACY3 Credits**

Examines theories on the development of public social welfare policy in the United States and explores the mechanisms and methods that sustain discrimination and oppression within policy processes. Competencies for advocacy including power differentials, negotiation and coalition building are addressed. Examines historical, content, process, political-economic, comparative, and constructivist models of policy analysis and applies these models to national and global social welfare issues for at-risk populations. Students demonstrate competencies through a policy analysis of a national policy with relevance to the local rural context, recommend proposed changes, and identify strategies for changing social welfare policies and practices.

**Prerequisites:** Junior or above status

**Co-requisites:** SW 433

**Notes:** Professional Social Work Program course.

**SW 435 METHODS III: ORGANIZATIONS AND COMMUNITIES3 Credits**

SW 435 Methods III: Organizations and Communities Credit 3 hours  
Explores strategies and tactics for organizational and community change using a strength's perspective with attention to changing barriers to out-group participation in society and with attention to building systems responsive to the physical, psychological, social and economic needs of minority populations. Students demonstrate competency in organizational and community assessments, identify change targets, and propose strategies and tactics for creating change. Students participate in a significant community level project.

**Prerequisites:** Junior or above status

**Co-requisites:** SW 332 and SW 434

**Notes:** Professional social work program course.

**SW 436 FORENSIC SOCIAL WORK3 Credits**

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.

**Prerequisites:** Junior or above status

**SW 459 PRE-FIELD AND ORIENTATION1 Credit**

Examines ethical dilemmas and ethical decision making. Social Work Code of Ethics, professional behavior, organizational entry, use of supervision, and field instruction policies and procedures. Field instructors and students complete written learning contracts with identified goals that will permit measurement of student attainment of practice behaviors and competencies applied in agency settings when in SW 464, Practicum.

**Prerequisites:** Junior or above status

**Notes:** Professional Social Work Program course.

**SW 463 PROFESSIONAL SEMINAR2 Credits**

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.

**Prerequisites:** SW 459 and Junior or above status

**Co-requisites:** SW 464

**Add Consent:** Department Consent

**Notes:** Advanced professional social work program course.

**SW 464 SOCIAL WORK FIELD PRACTICUM5-10 Credits**

Provides a structured educational experience in an approved social service agency with an approved field instructor based upon a written learning contract. Students complete a variety of learning tasks that demonstrate practice behaviors and competencies of a beginning generalist social work professional. Students should enroll for 10 credit hours and expect to work 34-36 hours per week for the semester for a minimum total of 450 hours. In special situations and with the approval of the field director, a student may register for 5 credit hours in each of two consecutive spring semesters.

**Prerequisites:** SW 459 and Junior or above status

**Co-requisites:** SW 463

**Add Consent:** Department Consent

**Notes:** Professional social work program course.

## Sociology (SOC)

### SOC 230 SOCIETY: GLOBAL COMPARISONS<sup>3</sup> Credits

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.

**Essential Studies:** SLO #10

### SOC 231 INTRODUCTION TO SOCIOLOGY<sup>3</sup> Credits

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 239 CRIMINOLOGY<sup>3</sup> Credits

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:** CJ239/SOC239

### SOC 332 JUVENILE DELINQUENCY<sup>3</sup> Credits

History and concept of delinquency, development of the juvenile justice system, nature and extent of delinquency, theoretical explanations of delinquency and environmental influences of delinquency. Includes child abuse and neglect, school-based crime, gang control efforts and the relationship between delinquency and drug abuse.

**Cross-Listed:** CJ332/SOC332

**Prerequisites:** CJ 231 and Sophomore or above status

### SOC 369 CIVIC ENGAGEMENT: THEORY AND PRACTICE<sup>3</sup> Credits

Students will explore theories of civic engagement and patterns of civic participation with a focus on the United States. They will also engage in experiential learning through one of several possible opportunities to contribute to their communities. In doing so, students will further develop their own ideas in collaboration with others as to their roles as citizens.

**Essential Studies:** SLO #9

**Prerequisites:** Sophomore or above status

## Special Education (SPED)

### SPED 216 PRE-REFERRAL CLINICAL EXPERIENCE<sup>1</sup> Credit

This course promotes learning opportunities to develop the understanding of how assessment instruments and equipment are used in the screening of students. The screening can be used for academic achievement, program development, pre-referral for evaluation, or assistive technology. Student will complete professional clinical experience (20 clock hours) in a general education setting to develop an understanding of how pre-referral assessment instruments and Multi-Tiered Systems of Support (MTSS) strategies are used in the screening of students. These hours may be completed working in a Title I, MTSS, TAT, Head Start or other school pre-referral program.

**Prerequisites:** SPED 230

### SPED 230 INTRODUCTION TO THE EXCEPTIONAL LEARNER<sup>3</sup> Credits

Provides an overview of the exceptionalities, their definitions, prevalence, etiology, characteristics and related instructional needs and accommodations for students with special needs and exceptional populations including gifted/talented students. Emphasis is on current educational methods and placements to understanding the impact of teaching practices and curriculum, considerations.

**Prerequisites:** EDUC 131

**Requirements:** Required of all Education Majors.

### SPED 231 SURVEY/EFFECTS OF DISABILITIES<sup>3</sup> Credits

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.

**Prerequisites:** SPED 230

### SPED 232 INTERPERSONAL COMMUNICATION SKILLS FOR SPECIAL EDUCATORS<sup>3</sup> Credits

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.

**Prerequisites:** SPED 230

### SPED 316 MICROLEACHING PRESCHOOL/ELEMENTARY/MIDDLE SCHOOL SPECIAL EDUCATION<sup>1</sup> Credit

Application of instructional techniques in a resource or inclusive classroom setting is emphasized. Various techniques of instruction are included in the design and implementation of individual and small group programs.

**Prerequisites:** Sophomore or above status

### SPED 316E MICROLEACHING IN PRESCHOOL/ELEMENTARY/MIDDLE SCHOOL SPECIAL EDUCATION<sup>1</sup> Credit

Promotes the hands-on application of methods learned in accordance with teaching students with special needs at the preschool, elementary or middle grades level. Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 50 hours of clinical practice.

**Prerequisites:** Sophomore or above status

### SPED 316S MICROLEACHING IN SECONDARY SPECIAL EDUCATION<sup>1</sup> Credit

Promotes the hands-on application of methods learned in accordance with teaching students with special needs at the secondary level (7-12). Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 50 hours of clinical practice.

**Prerequisites:** Sophomore or above status

### SPED 317 MICROLEACHING IN EARLY CHILDHOOD EDUCATION/ELEMENTARY/MIDDLE SCHOOL/SECONDARY SPECIAL EDUCATION<sup>2</sup> Credits

This course is a field experience and requires a background check. This course promotes the hands-on application of methods learned in accordance with teaching students with special needs at the preschool through the secondary levels. Various techniques of instruction are emphasized in the design and implementation of individual and small group programs including 60 clock hours of clinical practice. Thirty (30) clock hours must be spent at either the Early Childhood or elementary levels, and 30 clock hours must be spent at the middle school or secondary levels.

**SPED 331 BEHAVIOR MODIFICATION AND MANAGEMENT3 Credits**

This course promotes the understanding of behavior management theories and best practices for students with disabilities. The focus is on identifying behavior strategies based upon data collection, functional, and formal assessment from preschool through adolescence. Emphasis will be placed upon positive behavioral intervention strategies and best practice for promoting behavioral change among students. Topics include: legal considerations; manifestation determination; and the impact of cultural diversity, family dynamics and economic stressors on school behavior.

**Prerequisites:** SPED 230 and Junior or above status

**SPED 334 DIFFERENTIATED INSTRUCTION FOR DIVERSE CLASSROOMS3 Credits**

This course covers teaching strategies, laws, and procedures for working with students with special needs within diverse and inclusive classroom environments. Students will participate in hands-on activities, identify key instructional strategies and accommodations for students with special needs including gifted/talented and ELL students and become familiar with laws and policies governing special education practices in today's schools.

**Prerequisites:** PSYC 231, SPED 230, and Sophomore or above status

**Requirements:** 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 390 INTERNSHIP IN SPECIAL EDUCATION1-3 Credits**

Provides practical experience in an agency related to education/special education.

**Prerequisites:** Sophomore or above status

**Add Consent:** Department Consent

**Notes:** 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

**SPED 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, Academic Dean and Academic Vice President required.

**SPED 432 ELEMENTARY/MIDDLE SCHOOL/SECONDARY METHODS AND MATERIALS FOR MILD/MODERATE DISABILITIES3 Credits**

This course covers instructional, curricular, and adaptive or assistive technological approaches to accommodate the academic, social, emotional, cognitive, linguistic, and physical needs of learners with mild/moderate disabilities. Based on best practice learning theories for students with special needs, 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:** Junior or above status

**SPED 433 PROGRAM DEVELOPMENT, IMPLEMENTATION, AND MANAGEMENT3 Credits**

This course teaches development, implementation, and management of special education programs, which include individual education plans (IEP), individual family service plan (IFSP), and transition plans. This course will include (a) a background of laws leading up to IDEA, (b) a working knowledge of IDEA and related amendments, (c) hands-on experience in the formulation and development of IEP's, IFSP's, transition plans, and (d) techniques/strategies in adapting curriculum for students with special needs (e) identification of community resources and support for families of students with disabilities.

**Prerequisites:** Junior or above status

**SPED 435 ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES3 Credits**

Provides opportunities to learn assessment procedures and practices used to obtain information about the learning and development of students with mild/moderate needs, including administering, interpreting, and reporting test results and formulating instructional 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.

**Prerequisites:** Junior or above status

**SPED 437 SPECIAL TOPICS IN SPECIAL EDUCATION1-3 Credits**

Development, implementation, and management of Inclusive Classrooms in the K-12 school environment. This course will include (a) intervention [RTI]; (b) inclusive classroom environments; (c) federal laws including IDEA; (d) classroom management and inclusive classroom behavior interventions; (e) curriculum adaptation; and (f) providing supportive services for all children including those who are at risk.

**Prerequisites:** Junior or above status

**SPED 438 CONSULTATION/COLLABORATION3 Credits**

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 and 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.

**Prerequisites:** Junior or above status

**SPED 439 LANGUAGE AND LEARNING DISORDERS3 Credits**

This course is an introductory course for undergraduate students on the subject of language and associated learning disorders. It provides students with an opportunity for integrating information from several content areas (i.e., language development, learning disorders, and anatomy) and applying that knowledge to children presenting language-based learning disorders.

**Prerequisites:** Junior or above status

**SPED 444 SPECIAL EDUCATION PRACTICES AND STRATEGIES1 Credit**

This course covers teaching strategies, development of curriculum units and lesson planning, questioning skills and motivation techniques for teachers teaching within inclusive classroom environments.

**Prerequisites:** Junior or above status

**Add Consent:** Department Consent

**Drop Consent:** Department Consent

**Notes:** This course is taken as part of the professional year.

**SPED 455 CHARACTERISTICS OF LEARNING DISABILITIES3 Credits**

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.

**Prerequisites:** Junior or above status

## Theatre (TH)

**TH 115 THEATRE PRACTICUM1 Credit**

Students enrolled in TH 115 fulfill the requirements by actively participating in one theatre production per eight week course.

**Notes:** Repeatable up to four (4) hours.

**TH 134 PRINCIPLES OF ACTING3 Credits**

Study of the principles and techniques of acting with practice in theatre games, improvisation, monologues and scene work.

**Essential Studies:** SLO #5

**TH 141 COSTUME CONSTRUCTION3 Credits**

This is a workshop-centric course where students will learn basic hand sewing, machine sewing, how to cut and alter a commercial pattern, pattern drafting, draping, and garment finishing techniques. Construction techniques will be applied to creating a garment based on the interpretation of a designer's sketch. Students will not only be able to familiarize themselves with modern and traditional tailoring tools and techniques, but also foster creative communication and collaboration in a group workshop environment.

**Essential Studies:** SLO #5

**TH 150 APPLIED VOICE LESSONS FOR MUSICAL THEATRE1 Credit**

This course is designed to provide private instruction in applied voice as it relates to the specific demands of the musical theater. Because of the varying ability levels and interests of students taking private voice, each student will follow his or her own educational plan. All students will work on repertoire suited to their ability level and technical skills designed to improve their vocal technique, song interpretation and performance.

**Add Consent:** Instructor Consent

**TH 159 TECHNICAL THEATRE2 Credits**

Study of the technical elements of theatrical production. This includes construction techniques, responsibilities of production team members, reading theatrical plans and paperwork. Installation and trouble shooting of lighting instruments, sound equipment, and other theatrical equipment. Students will be required to purchase supplies.

**Essential Studies:** SLO #5

**Co-requisites:** TH 159L

**TH 159L TECHNICAL THEATRE LABORATORY1 Credit**

Laboratory experience.

**Essential Studies:** SLO #5

**Co-requisites:** TH 159

**TH 222 STAGE MAKE-UP3 Credits**

Theory and techniques of theatrical makeup. In addition to practical application projects, students will develop research and morgues for make-up applications geared toward creating theatrical characters.

**Essential Studies:** SLO #5

**TH 229 PLAYSRIPT ANALYSIS3 Credits**

This course is designed to provide you with an array of tools, strategies, and methods for reading and analyzing dramatic literature in order to allow creative expression while also keeping the theatrical goals of the production in mind.

**TH 234 AUDITION TECHNIQUES AND PRACTICES3 Credits**

Intensive practicum on the selection, preparation and presentation of audition materials. This will include headshots and resumes, music selection, monologue selection, cold readings and presentation.

**Prerequisites:** TH 134

**TH 237 BEGINNING DIRECTING3 Credits**

Theory and practice of play direction, including blocking, analysis, organization, rehearsal, working with actors, and collaboration. Students will direct and present a 10-minute play for the final authentic assessment.

**Prerequisites:** TH 134

**Notes:** Designed for theatre majors, minors, and language arts students.

**TH 241 INTRODUCTION TO COSTUME DESIGN3 Credits**

An introduction to the principles, elements and practicalities of costume design and their relation to design in the Theatre. The student will learn how to communicate design choices both visually and verbally through rendering techniques and research.

**Essential Studies:** SLO #5

**TH 242 INTRODUCTION TO LIGHTING DESIGN2 Credits**

A study of the aesthetics and mechanics of lighting design. Examination of the fundamental concepts involved in formulating the lighting design for a theatrical performance. Experiences in instrumentation, control of lighting, use of color, script analysis, development of light plots and related paperwork required for production.

**Essential Studies:** SLO #5

**TH 242L INTRODUCTION TO LIGHTING DESIGN LABORATORY1 Credit**

Laboratory experience.

**Essential Studies:** SLO #5

**Co-requisites:** TH 242

**TH 243 INTRODUCTION TO SET DESIGN3 Credits**

Introduction to the processes used to create a set design for the stage and the process of synthesizing a design into a theatrical production. Emphasis will be on working from a production team's concept to create a design that will communicate the concept to an audience.

**Requirements:** Students will be required to purchase equipment.

**TH 255 ACTING METHODS3 Credits**

Process-oriented study centering around four or more acting methods.

**Prerequisites:** TH 134

**TH 300 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**TH 315 ADVANCED THEATRE PRACTICUM1 Credit**

Advanced participation in theatre department productions. All students enrolled in TH 315 who are interested in fulfilling the requirements for this class by participation in theatre activities must participate actively in one theatre activity per eight week course. These activities include: successfully fulfilling a design or directing assignment, successfully fulfilling a role in a theatre production, successfully fulfilling a production assignment, successfully fulfilling a crew assignment.

**Prerequisites:** Sophomore or above status

**Notes:** Repeatable up to four (4) hours.

**TH 328 STAGE MANAGEMENT3 Credits**

Course will focus on the skills and mechanics necessary to contribute to the production process as a stage manager with a focus on organization, leadership and communication.

**Prerequisites:** Sophomore or above status

**TH 336 THEATRE HISTORY I3 Credits**

Examination of the interaction between theatre and society, centering on the contributions of theatre in mirroring cultures. Students will examine the roots and development of world theatre, from ancient Greece to the Renaissance periods.

**Essential Studies:** SLO #7

**Prerequisites:** Sophomore or above status

**TH 337 THEATRE HISTORY II3 Credits**

Examination of the interaction between theatre and society, centering on the contributions of theatre in mirroring cultures. Students will examine the roots and development of world theatre, from the Restoration to Modern Theatre.

**Essential Studies:** SLO #8

**Prerequisites:** Sophomore or above status

**TH 339 CHILDREN'S THEATRE WORKSHOP4 Credits**

Workshop geared toward the mounting and production of a performance for young audiences. Workshop participants will be responsible for the production and performance of a selected work. Activities include: rehearsal and adaptation, class room activities for youth, touring and setup, marketing and publicity, and theatre organization.

**Prerequisites:** Sophomore or above status

**Add Consent:** Instructor Consent

**TH 350 APPLIED VOICE LESSONS FOR MUSICAL THEATRE1 Credit**

This course is designed to provide private instruction in applied voice as it relates to the specific demands of the musical theater. Because of the varying ability levels and interests of students taking private voice, each student will follow his or her own educational plan. All students will work on repertoire suited to their ability level and technical skills designed to improve their vocal technique, song interpretation and performance.

**Add Consent:** Instructor Consent

**TH 355 ACTING FOR MUSICAL THEATRE3 Credits**

Exploring practical acting technique as it applies to musical theatre scene study.

**Prerequisites:** TH 134 and sophomore or above status

**Co-requisites:** MUS 100S

**TH 360 STAGE MOVEMENT3 Credits**

Students acquire the knowledge and skills for movement and apply these skills effectively to stage acting and performing. The course is designed to employ stage movement to express thoughts, feelings, and actions, and to analyze and describe the interdependence of all physical elements used on the stage.

**Prerequisites:** TH 134 and sophomore or above status

**TH 365 VOICE AND DIALECTS3 Credits**

Course will develop actors' speech skills through vocal practice and the study of phonetics for clear, strong articulation; connection to language; and effective, expressive use of the voice. Inclusion of the study of stage dialects.

**Prerequisites:** TH 134 and sophomore or above status

**TH 390 INTERNSHIP IN THEATRE1-12 Credits**

Provides practical experience in theatre at the Post Playhouse or other professional theatre, in either performance or nonperformance areas.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Internship and Career Services Office to secure application materials; application should be made prior to the semester the internship will be started; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the work hours; internship credits may be substituted for other required credit in Theatre at the discretion of the Theatre faculty.

**TH 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**TH 412 SENIOR ASSESSMENT JURY1 Credit**

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.

**Prerequisites:** 2.5 cumulative GPA and junior or above status

**Add Consent:** Department Consent

**TH 434 ACTING PERIODS AND STYLES3 Credits**

Study of period styles of acting from Greek Classics and Elizabethan Tragedy to Restoration Comedy and Farce.

**Prerequisites:** TH 134 and Junior or above status

**Add Consent:** Instructor Consent

**TH 435 SPECIAL TOPICS3 Credits**

Topics offered outside the standard curriculum based on student interest and demand as well as faculty expertise.

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a change of emphasis

**Requirements:** Instructor consent

**TH 437 DIRECTING FOR THE STAGE3 Credits**

Study of the theories and techniques of stage direction. Student will direct a one-act play.

**Prerequisites:** TH 237 and Junior or above status

**Add Consent:** Instructor Consent

**TH 438 SCENE PAINTING3 Credits**

Students will study and learn the techniques and tools essential to successful scene painting for the theatre. Special emphasis will be placed on breaking down specific techniques and finishes into a simple step by step process.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**TH 441 STAGE COMBAT3 Credits**

A complete course covering safe and convincing techniques of hand-to-hand combat as well as rapier and epee techniques. Students will study a complete regimen of exercises and warm ups and a combat system based on the Society of American Fight Directors. Instructor approval of purchase of weapons and equipment required.

**Add Consent:** Instructor Consent

**TH 459A ADVANCED SET DESIGN3 Credits**

Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musicals, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber.

**Prerequisites:** TH 243 and Junior or above status



**TH 459B ADVANCED LIGHTING DESIGN3 Credits**

Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musicals, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber.

**Prerequisites:** TH 242 and Junior or above status

**Notes:** Students can repeat course with a change of emphasis.

**TH 459C ADVANCED COSTUME DESIGN3 Credits**

Course expands on the foundation of design by assigning more advanced design projects such as multi-scene shows, musicals, operas, and dance concerts. Student design projects will include all appropriate research, drafting, rendering, and presentation materials. All projects must be of portfolio caliber. Students can repeat course with a change in emphasis.

**Prerequisites:** TH 141, 241, and Junior or above status

## World Language (WLAN)

**WLAN 100 CONVERSATIONAL FOREIGN LANGUAGE3 Credits**

Introduction to foreign language and selected foreign-speaking cultures with emphasis on oral communication through the development of listening and conversational skills. Some short readings may be included to facilitate understanding of directions written in foreign language, and basic grammar will be included as necessary to facilitate clarity in conversation.

**Essential Studies:** SLO #10

**Notes:** Repeatable for up to 6 credit hours in a single foreign language.

May be repeated for another six hours in a different foreign language.

**WLAN 238 STUDY ABROAD PROGRAM3 Credits**

Intense exposure to a foreign language and to the culture of one of the countries in which it is spoken. This intermediate course is only offered in conjunction with a residential experience in a foreign speaking country.

**Add Consent:** Instructor Consent

**WLAN 400 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Open to students who wish to do advanced work in a special field of foreign language. Conferences to be arranged.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean, and Academic Vice President is required.

**WLAN 438 ADVANCED SUMMER PROGRAM ABROAD3 Credits**

Intense exposure to a foreign language and to the culture of one of the countries in which it is spoken. This advanced course is only offered in conjunction with a residential experience in a foreign speaking country.

**Prerequisites:** Junior or above status

**Notes:** Repeatable for up to six credit hours in a single foreign language; may be repeated for another six hours in a different language.

# ADMINISTRATION AND FACULTY

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<sup>1</sup> Graduate Faculty

# GRADUATE CATALOG

## 2023 - 2024

### Graduate Catalog

Chadron State College  
Chadron, Nebraska

## A Member of the Nebraska State College System

Welcome to the Chadron State College Graduate Catalog. Students are encouraged to use this catalog as a resource and guide to the policies, degree programs, and services available at Chadron State College.

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

## Directory

Visit the College directory via its website at: <http://www.csc.edu/directory/>

## Student Academic Calendar

Visit the College calendar via its website at: <https://www.csc.edu/academics/academic-calendar/>. Note that CSC reserves the right to make necessary changes to its calendar. Always check the website calendar for the most up-to-date information.

## General Information

For general information about the College, visit: <https://www.csc.edu/about/>.

### Institutional and Program Accreditation

Chadron State College (CSC) is authorized by the Nebraska Legislature to offer undergraduate degree programs and selected master-level degree programs. Continuation and development of applied research and public services activities are additional, legislatively mandated priorities.

As an institution CSC is accredited by the Higher Learning Commission (230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604; 1-800-621-7440) to confer

- residential and online baccalaureate degrees,
- the Master of Education degree,
- the Master of Arts in Education degree,
- the Master of Business Administration degree,

- the Master of Science in Organizational Management degree, and
- the Master of Science in Athletic Training.

CSC has attained the following specialized accreditations: National Council for the Accreditation of Teacher Education through CAEP, Council on Social Work Education, Accreditation Council for Business Schools and Programs, National Association of Schools of Music, and the Accreditation Council for Education in Nutrition and Dietetics.

## Education Accreditation

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

In addition, the Education Program is formally accredited through the State of Nebraska's Department of Education.

## Social Work

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

## Business

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

## Music

The National Association of Schools of Music (NASM) establishes national standards for undergraduate and graduate music degrees and other credentials. Institutional Membership is gained only through a peer review process of accreditation. NASM is recognized by CHEA.

## Nutrition and Dietetics

The Accreditation Council for Education in Nutrition and Dietetics (ACEND) is the accrediting agency for education programs preparing students for careers as registered dietitian nutritionists or nutrition and dietetics technicians, registered.

## 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. At CSC, eighteen academic departments are located within the three academic schools listed below with their associated academic dean.

## School of Liberal Arts

The School is administered by the Dean of the Essential Studies Program and School of Liberal Arts. Departments within the School include:

- Art (<https://www.csc.edu/academics/art/>)
- Communication Arts (<https://www.csc.edu/academics/communication/>)
- English/Humanities/Philosophy (<https://www.csc.edu/academics/english/>)
- Justice Studies (<https://www.csc.edu/academics/justicestudies/>)
- Music (<https://www.csc.edu/academics/music/>)
- History/Social Science (<https://www.csc.edu/academics/social-science/>)
- Theatre (<https://www.csc.edu/academics/theatre/>)

## School of Business, Mathematics, and Science

The School is administered by the Dean of Graduate Studies and School of Business, Mathematics, and Sciences. Departments within the School include:

- Business
- Mathematics (<https://www.csc.edu/academics/mathematics/>)
- Biological Science (<https://www.csc.edu/academics/sci/>)
- Physical Science (<https://www.csc.edu/academics/sci/>)

## School of Professional Studies and Applied Sciences

The School is administered by the Dean of Curriculum and Accreditation and School of Professional Studies and Applied Sciences. Departments within the School include:

- Agriculture & Rangeland Management (<https://www.csc.edu/academics/rangeland/>)
- Counselor Education (<https://www.csc.edu/academics/counseling/>)
- Education (<https://www.csc.edu/academics/education/>)
- Family and Consumer Sciences (<https://www.csc.edu/academics/fcs/>)
- Health, Physical Education, and Recreation (<https://www.csc.edu/academics/hper/>)
- Military Science Leadership (<https://www.csc.edu/academics/rotc/>)
- Psychological Sciences (<https://www.csc.edu/academics/psychological-sciences/>)
- Social Work (<https://www.csc.edu/academics/socialwork/>)

## History

### History of Chadron State College

Chadron State College is an open-admissions public institution committed to teaching and learning. Intentional dedication to meaningful instructional experiences, practices, and connections have always been the college's primary focus. Student-centered learning is conducted within a community of learners.

Chadron State College, founded in 1911, began as a school that primarily prepared teachers. The institution has evolved into offering a strong undergraduate baccalaureate general education in pre-professional programs in a variety of disciplines. The undergraduate offerings are complemented with a limited number of master's programs in education (1956), business (1984), organizational management (2006), and athletic training (2022). Within the Carnegie classification of institutions in higher education Chadron State College is under the category of Master's Colleges and Universities -- Medium Programs. Chadron State College has consistently maintained accreditation with the Higher Learning Commission and selected subject-oriented specialized accrediting agencies. Chadron State College is accredited by the Higher Learning Commission (<https://www.hlcommission.org/>), a regional accreditation agency recognized by the U.S. Department of Education.

Chadron State College is the only four-year college serving the western half of Nebraska. The region served is the nexus of western Nebraska, High Plains, and the Frontier and Remote (FAR) communities. Chadron and other towns in the college's service region are classified as FAR level three communities because of the distance from an area of more than 10,000 people. Only about 1.4% of the U.S. population resides in FAR level three communities.

CSC has a special cultural and economic component to its regional role. A strong sense of community, resilience to adversity, and a practical approach have embodied the character of the college and region for more than a century.

## Vision and Mission

### Vision Statement

Chadron State College aspires to continue as a learner-centered institution. We are committed to students through our focus on continuous improvement and excellence in teaching, applied scholarship, and service.

### Mission Statement

Chadron State College delivers experiences that foster knowledgeable and engaged leaders and citizens to enrich the High Plains region and beyond.

### Equal Opportunity Policies

Please refer to NSCS Board Policy 2700 (<https://www.nscs.edu/policy-manual/detail/15-2700-equal%20educational%20opportunity/>) (Equal Educational Opportunity Policy) and Chadron State College Employment and Education Opportunity Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3443/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>) for further details and information on how to file a report regarding discrimination or harassment.

Please refer to NSCS Board Policy 3700 (<https://www.nscs.edu/policy-manual/detail/41-3700-accommodations%20for%20students%20with%20disabilities/>) (Accommodations for Students with Disabilities) for further details on the College's written policy regarding the Americans with Disabilities Act (ADA).

### Use of Humans and Animal Participants in Research

Please refer to Chadron State College Use of Humans and Animal Participants in Research Policy (<https://app.policyiq.com/>)

ChadronStateCollege/Content/View/3498/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba) for further details.

## Admissions

All prospective students are encouraged to visit CSC's website.

Apply for college admittance ([https://csprdsc.nebraska.edu/psc/csprdsc/NBC/HRMS/s/WEBLIB\\_DSHBOARD.ISCRIPT1.FieldFormula.IScript\\_GETPAGE/?cref=NBC\\_NVC\\_DASH\\_ADMISSIONSAPP&next\\_path=admissionsapp.root.app&check\\_apps=NBCAD\\_APP&institution=CS001&void=all&app\\_type=UGRD&](https://csprdsc.nebraska.edu/psc/csprdsc/NBC/HRMS/s/WEBLIB_DSHBOARD.ISCRIPT1.FieldFormula.IScript_GETPAGE/?cref=NBC_NVC_DASH_ADMISSIONSAPP&next_path=admissionsapp.root.app&check_apps=NBCAD_APP&institution=CS001&void=all&app_type=UGRD&))

General admissions information (<https://www.csc.edu/admissions/>)

Click to find out more about fees and matriculation (<https://www.csc.edu/cost/>)

## Technology Requirements

### CSC Online

If students are required to complete coursework online, access to the learning management system, CSC Online - Canvas (<https://chadron.instructure.com/>), will be provided.

### MyCSC Student Access

CSC students are required to use the electronic resource MyCSC to access information.

From **MyCSC**, students will be able to:

- Check "to do" list
- View and pay bill
- Add and drop courses
- View, accept, and decline financial aid
- Change contact information
- View advisors
- Check academic requirements (degree audit)

To log in to **MyCSC**:

1. Go to <http://www.csc.edu>
2. Click on My CSC
3. Enter NUID and password or click on Show Campuses and enter your CSC credentials

### EagleMail

Every student applicant is given an EagleMail account. **A student's EagleMail account is the official email address for all communication from CSC offices and instructors. Students are strongly encouraged to check their EagleMail account frequently.**

### IT Help Desk

Students can contact the IT Help Desk by calling 308-432-6311 or emailing [helpdesk@csc.edu](mailto:helpdesk@csc.edu) for assistance with technology-related issues.

## Costs and Financial Aid

### Costs

The Board of Trustees for the Nebraska State Colleges establishes a schedule of tuition and fees to be charged by the State Colleges (NSCS Board Policy 6500 (<https://www.nscs.edu/policy-manual/detail/122-6021-tuition%20rates/>)). Specific courses may have additional assessed fees.

Online courses are assessed at combined tuition and fees flat rate per credit hour. See current tuition and fees (<https://www.csc.edu/businessoffice/tuition-and-fees/>).

See on-campus housing rates (<https://www.csc.edu/housing/housing-rates/>).

Payment plans (<https://www.csc.edu/businessoffice/payment-plans/>) are available upon discussion with the Business Office.

Account information is distributed through MyCSC. Students should check their account balance regularly. For more information about costs, visit: <https://www.csc.edu/businessoffice/>.

### Financial Aid

Federal financial aid is available to those who qualify. To apply for financial aid, go to <https://studentaid.gov/h/apply-for-aid/fafsa> (<https://studentaid.gov/h/apply-for-aid/fafsa/>) and complete the application (FAFSA).

Please visit the START Office (<https://www.csc.edu/start/>) (<https://www.csc.edu/start/finaid/>) for more information on the application process, available funds, and qualifications.

In addition, financial aid recipients are required to meet minimum academic performance standards as described in the Satisfactory Academic Progress Policies:

- Satisfactory Academic Progress Policy (Graduate - MBA) (<https://app.policyiq.com/ChadronStateCollege/Content/View/3513/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Satisfactory Academic Progress Policy (Graduate - MSOM/MEd/MAE/MSAT) (<https://app.policyiq.com/ChadronStateCollege/Content/View/3512/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)

### Graduate Assistantships

A limited number of on-campus graduate assistantships, which cover tuition and provide a stipend, are available for students enrolled in a graduate degree program. Assistantships are designed to provide opportunities for supervised educational experiences at the graduate level. Students interested in graduate assistantships should contact the Human Resources Office ([hr@csc.edu](mailto:hr@csc.edu)) for further information. Graduate assistants (GAs) should successfully complete a minimum of 18 graduate credits per academic year while serving as GAs. Please visit the CSC website for a list of current vacancies ([https://nscs.peopleadmin.com/postings/search/?utf8=%E2%9C%93&query=&query\\_v0\\_posted\\_at\\_date=&query\\_position\\_type\\_id=&435=&query\\_organ](https://nscs.peopleadmin.com/postings/search/?utf8=%E2%9C%93&query=&query_v0_posted_at_date=&query_position_type_id=&435=&query_organ))

### Advising

Although academic advisors are here to help, it is important for students to realize that they are responsible for meeting all graduation requirements. CSC Faculty members are engaged in program advising to



assist students in attaining their academic goals. Advisors are assigned to aid students in understanding requirements and in planning their academic programs.

## Registration

The *Graduate Catalog* is the authoritative source for information about program and graduation requirements and regulations.

Students are encouraged to meet with an advisor prior to registering for classes and to register during early enrollment periods to ensure course availability. The College reserves the right to cancel courses with low enrollments. Furthermore, the College reserves the right to modify the published schedule without prior notice. Undergraduate students wishing to register for graduate courses must complete a petition to the Dean of Graduate Studies.

Ultimately, students are responsible for their own academic planning; they are responsible for fulfilling degree requirements and for abiding with all regulations.

- Advising (<https://www.csc.edu/start/academic-advising/>)
- Academic Requirements (<https://www.csc.edu/start/enrollment/>)
- Changes to Class Schedules (<https://app.policyiq.com/ChadronStateCollege/Content/View/3431/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Course Sections ([http://csc.edu/registrar/general.csc/#Course\\_Sections](http://csc.edu/registrar/general.csc/#Course_Sections)) (<https://www.csc.edu/records/academic-information/>)

## Course Loads, Requirements, Schedules

A full-time load during the fall and spring semester is nine graduate semester course credits. During the fall and spring terms, twelve course credits of graduate coursework is the maximum load. The limit is six credits per 8-week session.

The maximum load for a full-time graduate student during the summer is nine course credits. The limit is six credits per 4-week and 8-week session.

## Expectations and Academic Conduct Grades

The following grades are currently used at CSC:

| Letter Grade | Grade Descriptions   |
|--------------|--|
| 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  | Incomplete indicates some portion of the student's work was unfinished due to a justifiable reason. An "I" is issued at the discretion of the faculty member and the Dean of Graduate Studies. A grade for the term is recorded when the work is completed. If the work is not completed by the date listed on the Petition for Incomplete Grade form, the instructor must submit a grade change to reflect a grade other than "I". |
| IP | In Progress indicates a course continuing into the next term. Grades are recorded at the end of the course.   |
| P  | Passing performance; requires previous registration as Pass/Fail.   |
| W  | Indicates official withdrawal from a course; requires notice filed by deadline.   |
| AU | Indicates non-graded, audit participation in a course; requires previous registration for an Audit.   |
| AD | Administrative Drop   |
| AW | Administrative Withdrawal   |

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 in 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. If applicable, any approved transfer credits will be converted to CSC's grading and semester credit standards.

## Grade Point Average

CSC assigns quality points to letter grades as follows:

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

To determine grade point average, the total number of quality points earned for each attempted course credit is divided by the total credits 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 Records Office at [www.csc.edu/registrar](http://www.csc.edu/registrar) for more information.

## Academic Requirements

- Graduate Studies Academic Requirements (<https://www.csc.edu/academics/graduate/admission-requirements/>)
- Petitioning for Incomplete

- Grade Appeals Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3450/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Audited Course Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3428/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Academic Honesty Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3419/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)

## Civility

Civil behavior enhances the learning environment and is expected at all times. Courtesy and respect for others are essential elements to the learning process. Courses offered through Chadron State College welcome a difference of opinion, discourse, and debate within a civil environment. Please refer to NSCS Board Policy 3100 (<https://www.nscs.edu/policy-manual/detail/28-3100-conduct%20%26%20discipline%3B%20students/>) (Conduct and Discipline; Students) for further information.

## Class Attendance and/or Participation

Please refer to the Chadron State College Class Attendance and/or Participation policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3432/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>) for further details.

## Petition for Waiver or Exception of College Academic Regulations

Any requests for waivers or exceptions to the graduate academic policies and regulations stated in the *Graduate Catalog* must be submitted as a written petition to the Dean of Graduate Studies. The petition will be reviewed by the Graduate Council, Dean of Graduate Studies, and/or Academic Vice President, as appropriate. A written response will be returned to petitioning students.

## Appeals

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:

- The decision being appealed
- Date of decision being appealed
- Justification for the appeal
- Desired outcome.

## Academic Policies

For information about academic policies visit the webpages listed below:

- Academic Requirements (<https://www.csc.edu/academics/graduate/admission-requirements/>)
- Graduation Requirements (<https://www.csc.edu/academics/graduate/admission-requirements/>)
- Family Educational Rights & Privacy Act (FERPA) (<https://www.nscs.edu/policy-manual/detail/39-3650-student%20records/>) (<https://www.nscs.edu/policy-manual/detail/39-3650-student%20records/>)

- Refund Policy (<https://app.policyiq.com/ChadronStateCollege/Content/View/3496/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>)
- Student Right to Know (<https://www.csc.edu/ir/>)

## Veteran Services

### Veterans Benefits and Transition Act of 2018

In accordance with Title 38 US Code 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA.

This school will not:

- Prevent nor delay the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources available to other students who have satisfied their tuition and fee bills to the institution, including but not limited to access to classes, libraries, or other institutional facilities.

However, to qualify for this provision, such students may be required to:

- Produce the Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies.

## Veteran and Eligible Person Addendum

### Standards of Progress Policy

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

For Veteran certification information, please contact [veteranservices@csc.edu](mailto:veteranservices@csc.edu) or contact them by phone at 308-432-7031.

## Student Services

For Information about student services, visit the webpages listed below:

- Campus Activities (<https://www.csc.edu/cab/>)
- Financial Aid (<https://www.csc.edu/start/financial-aid/>)
- Health Services (<https://www.csc.edu/healthserv/>)
  - Personal Counseling (<https://www.csc.edu/healthserv/counseling-services/>)
- Housing (<https://www.csc.edu/housing/>)
  - Residence Life (<https://www.csc.edu/housing/residence-life/>)
- International Education Office (<https://www.csc.edu/international/>)
- Library Learning Commons (<https://www.csc.edu/library/>)
- Office of Academic Success (<http://www.csc.edu/oas/>)

- Learning Lab (<http://www.csc.edu/learninglab/>)
- Academic Planning (<https://www.csc.edu/academic-planning/>)
- Support and Intervention (<http://www.csc.edu/asi/>)
- Internships (<https://www.csc.edu/internship/>)
- Career Services (<http://www.csc.edu/careerservices/>)
- Disability Services (<https://www.csc.edu/disability-services/>)
- Student Transition and Registration Team (START) (<http://www.csc.edu/start/>)

## Definitions of Course Delivery Formats

Students are expected to achieve course learning outcomes irrespective of the course delivery formats or modality of instruction. Significant factors in student achievement of outcomes or competencies include active participation and focused effort. At a minimum, one course credit consists of a 45-hour time commitment that includes:

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

The completion of the 45-hour time commitment does not ensure a passing grade. Achievement of the course outcomes or competencies must be demonstrated.

## Classroom-Based Courses

Classroom-based courses require participation within the traditional classroom; these are *not* distance learning courses. Listed below are CSC course numbers that may be characterized as “classroom based”.

| Number  | Type         | Description  |
|---------|--------------|--|
| 01-1000 | Face-to-Face | These course sections are conducted in an onsite face-to-face format or mode of instruction.   |
| 99      | Hybrid       | These sections are conducted in an onsite face-to-face format or mode of instruction that includes a virtual learning experience and/or component. |
| 89      | Blended      | These sections accommodate both on-campus and distance learners; see the following section for an expanded description.                            |

## Distance-Learning Courses

Distance learning courses are fully online and can be completed without onsite classroom meetings. The following course sections are available entirely on the Internet:

| Number | Type    | Description  |
|--------|---------|--|
| 79     | Online  | These sections require that all students participate and interact with one another and with their instructors completely online  |
| 89     | Blended | These sections are designed to accommodate both distance learners and onsite learners. Distance learners access all course materials online. Required participation is electronically mediated. Onsite learners have online access to course materials, but are required to attend regularly scheduled face-to-face classroom instruction. |

## Additional Location Courses

These course sections are conducted in a classroom geographically separate from the CSC campus in Chadron, NE. These locations do not have a full range of administrative and student services staffed by the facilities personnel. Such services are provided in Chadron. A facility may provide access to instruction requiring students to be present at a physical location that receives interactive, TV video, or other forms of web-based instruction. The following course sections are characterized as off-campus onsite courses:

| Number | Type  | Description                                      |
|--------|---|--|
| 4000   | Face-to-Face, Synchronous, or Interactive Video | These sections are conducted in Scottsbluff, NE. |

## Experiential Learning Independent Study

Independent Study allows students to learn under the supervision of faculty members outside the normal classroom setting. Graduate students are limited to a total of six course credits during their academic career.

An independent study course:

- Must be initiated by the student, who should contact their instructor to receive a copy of the independent study form, complete part one of the document, and return to the instructor.
- Is permitted only under special circumstances and with instructor, Dean of Graduate Studies, and Vice President for Academic Affairs approval.

## Internships

The Internship Program provides a structured, educational experience integrating classroom theory with supervised, planned, and progressive work experience in the student's field of study. The program is designed to supplement and complement the traditional curriculum at CSC.

The goal of this experience is to enhance the student's educational, professional, and personal development. Contact Career and Academic Planning Services (<https://www.csc.edu/internship/>) or in the Reta E. King Library Learning Commons building for more information.

## Study Abroad

Students may earn credit through a CSC-sponsored international studies program. Students may

- Study at foreign universities for one or more semesters, and transfer the credit to CSC
- Earn CSC credit for short-term international study courses, led by CSC faculty
- Qualify for financial aid.

Contact the Office of the Dean of Essential Studies and the School of Liberal Arts in Old Admin for more information or visit the Study Abroad website (<https://www.csc.edu/academics/studyabroad/>).

## Graduate Programs

### Purpose of Graduate Studies

The primary purpose of the graduate program at CSC is to provide opportunities for elementary and secondary teachers, administrators, counselors, business people, and others to further their education so that they might be better qualified to fulfill their personal and professional goals. The program is established primarily for candidates for the master's degrees offered by the institution (see below). However, some courses may be open to unclassified students not intending to complete work toward a master's degree. All graduate courses require more intellectual effort, more independence in reading and investigation, and more constructive thinking than undergraduate courses.

### Outcomes

To meet individual needs, students are provided with a rigorous core program of advanced courses in a reasonably flexible arrangement. Graduate students should meet or exceed the following outcomes:

1. Apply leadership principles.
2. Obtain a broader and deeper knowledge base, both within a selected field of specialization and in broader areas, such as professional effectiveness.
3. Gain intellectual stimulation and foundations for more advanced study.
4. Apply research techniques to interpret current thinking and practices in selected fields of specialization.
5. Explore the nature and significance of research.
6. Develop opportunities to apply research techniques.
7. Develop and demonstrate skills required 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. On behalf of the graduate faculty, the Council supervises all graduate work at CSC, establishes policy, and recommends to the College president all candidates upon whom graduate degrees are conferred.

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

Upon acceptance, an advisor is appointed in a student's area of concentration and a committee may be organized to consult with the student, if applicable.

## Assessment

CSC 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/case studies, oral examinations, surveys of students and alumni, and other assessment measures. The College requires all graduate students to participate in assessment for the duration of their enrollment.

## Masters Degrees

CSC currently offers five master's degrees:

1. The Master of Arts in Education is offered to students interested in:
  - Clinical Mental Health Counseling (p. 264)
  - Educational Administration (p. 266), including options in Principalship - Elementary, Secondary or PK-12, and Special Education Supervisor - Birth - 12th Grade
  - History (p. 265)
  - School Counseling (p. 268)
  - Science and Mathematics (p. 265)
2. The Master of Business Administration (p. 270) is offered to students interested in business administration
  - Accounting
  - Digital Marketing
  - General Track
  - Healthcare Management
3. The Master of Education is offered to students interested in:
  - Curriculum and Instruction (Elementary) (p. 274), including a General Education option or a Field option in a concentrated subject area, including: educational technology, physical education, language arts, science, mathematics, and social science
  - Curriculum and Instruction (Secondary) (p. 274), including options in business education, physical education, career and technical education, science, educational technology, social science, and mathematics

- Curriculum and Instruction (PK-12) (p. 274), including options in PK-12 Reading Specialist and K-12 Special Education
  - Curriculum and Instruction (Special Education Early Childhood Special Education Birth - Kindergarten (p. 274)), which offers an added endorsement in Special Education Early Childhood Special Education. It requires that the candidate hold or has held a certificate with a teaching endorsement.
4. The Master of Science in Athletic Training (p. 277) - to prepare students to become competent and independent clinicians who will enhance the quality of patient health care and to advance the profession of athletic training.
  5. The Master of Science in Organizational Management (p. 278) is offered to students interested in:
    - Human Services
    - Natural Resources
    - Sports Management.

## Certificates

Certificates require a completion of 9 - 15 course credits from a curriculum list found in the college catalog. Students seeking a certificate will be admitted as non-degree seeking status. Graduate certificates will require a completion of a Bachelors degree before admission.

## Graduate Admission Policies

Please refer to the Chadron State College Admissions Policy (Graduate) (<https://app.policyiq.com/ChadronStateCollege/Content/View/3424/?Key=c320bad9-cae1-4820-bac1-ec7a3b6d69ba>) for further details.

## Acceptance to Graduate Study

Admission requirements are specific to the degree program being sought, and are listed under the respective degree programs in this catalog.

## Plan of Study Filing (MAE, MEd and MSOM)/Academic Requirements (MBA and MSAT)

Plans of Study are recommended to be filed prior to the completion of 9 course credits with a minimum GPA of 3.0. Plans of Study must be approved and signed by the student's advisor, committee (if applicable), and Dean of Graduate Studies before being submitted to the Records Office for filing. MBA and MSAT students will utilize their Academic Requirements as their Plan of Study. All graduate students are encouraged to use their Academic Requirements on their MyCSC Student Dashboard.

## Application for Graduation

The graduation application for the degree should be filed with the Records Office *prior* to the beginning of the term from which the student expects to graduate. Candidates who plan to complete requirements for graduation in December must file formal application prior to April 15th. Those who plan to graduate in the spring must file prior to November 15th. Those students who plan to complete their degree during the summer and participate in commencement in December must file prior to February 15th. Application forms are available in the MyCSC to-do list. At the time the application is submitted all indebtedness to the College must

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

## Culminating Experience

All master's degree candidates are required to pass a final culminating experience in their area of concentration. Students choosing the thesis or scholarly project option should expect oral exam questions relating to the thesis or scholarly project during the examination.

## Regulations Governing Graduation

The following regulations apply to graduation from all graduate programs.

Although academic advisors are here to help, it is important for students to realize that they are responsible for meeting all graduation requirements.

## Acceptable Credits Toward Graduation

A graduate student may apply up to six course credits of work taken on an independent study basis toward a master's degree program. Credit earned by correspondence (self-paced) study will not be accepted in fulfilling requirements for a master's degree. Course work carrying the INS (in-service) prefix may *not* be applied toward a master's degree.

## Transfer of Credit

A maximum of nine course credits of graduate credit may be transferred from other approved colleges or universities. All transfer credit must carry a grade of B minus or higher and be no older than seven years by completion of degree at CSC. Transfer credit with grades of P or S will not be accepted. Acceptance of transfer credit is contingent upon approval of the advisor and Dean of Graduate Studies. Transfer credit may not be counted toward meeting the minimum residence requirement (a minimum of 30 hours of CSC coursework per master's degree). If applicable, any approved transfer credit will be converted to CSC's grading and course credit standards.

## Time Limit on Coursework

All requirements for 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. Validation of out-of-date credit: course work that has been taken at CSC prior to the specified time limit before completion of the degree is considered to be outdated. At the discretion of the student's advisor, Graduate Committee and/or the Dean of Graduate Studies, a limited amount of outdated course work *may* be applied to the graduate degree if a grade of B or higher was attained and if one of the following occurs:

- The equivalent CSC course is successfully repeated OR
- A written or oral examination and/or an additional assignment 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 (advisor) will appoint the faculty member(s) to administer the examination. Details about the time and place of the examination must be registered with Records/Graduate Office. Approval to validate credit must be obtained through the Graduate Committee and Dean of Graduate Studies.
- Other - as determined by Graduate Committee and Dean of Graduate Studies.

## Course Level Requirements

At least half of the course credits required for the master's degree must be taken in classes in which only graduate students may enroll (600-level courses or higher).

## Curriculum Patterns

All graduate students seeking the degree of Master of Arts in Education or Master of Education should complete EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS within the first 12 course credits of their program of study. Students seeking the degree of Master of Science in Organizational Management should complete either EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS or CA 615 RESEARCH PROCESS AND PRACTICE within the first 12 course credits of their program of study. All graduate students must select one of the following plan options:

### Plan I - Coursework with Final Culminating Experience

Plan I 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 are required to pass a final culminating experience. Approval forms are signed by the student's committee and presented to the Dean of Graduate Studies after successful completion.

The culminating experience must be taken at least *two* weeks prior to the date of graduation or granting of the degree. Students who do not complete their culminating experience two weeks before the date of graduation will not be eligible for graduation until the next graduation or diploma granting date.

Note: Plan I is not available in all departments. Contact Records Office for more information.

### Plan II - Scholarly Project with Final Culminating Experience

Plan II requires a scholarly project pertaining to the field of specialization. Three course credits are awarded for successful completion of the scholarly project. The project is designed in consultation with the student's graduate committee. The following are general guidelines for preparation and submission of the project and the accompanying culminating experience:

After acceptance into graduate study and successful completion of EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS or its equivalent, the student should present a scholarly project proposal under the guidance of the advisor six months before anticipated graduation. 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 designed so the student receives training in techniques of scientific inquiry, employing one or more of the commonly accepted tools of educational research.

Students choosing the scholarly project option must register for three credit hours:

- Registration for the course credits may be made at the beginning of any semester or summer term following the approval of the project topic
- The student is ultimately responsible for the progress of the project

- The accepted writing style is APA; however some disciplines may require their particular style
- When the student and advisor are satisfied with the project, it is to be submitted to the student's committee for review and approval
- All Plan II students must include an abstract of approximately 150 words in their scholarly project.

After acceptance of the project by the advisor and committee, a final culminating experience 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 final culminating experience. The final culminating experience will include questions regarding the scholarly project, coursework, and other materials relevant to the student's field of study. The final culminating experience must be taken at least *four* weeks prior to the date of graduation or granting of the degree. Students who do not complete their culminating experience two weeks before the date of graduation 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 final culminating experience. After the candidate has successfully passed the final culminating experience, he or she will present one final copy of the scholarly project to his or her advisor.

Note: Plan II is not available in all departments. Contact Records Office for more information.

### Plan III - Thesis with Final Culminating Experience

Plan III requires a thesis pertaining to the field of specialization. Six course credits are awarded for successful completion of the thesis. The following are general guidelines for preparation and submission of the thesis and accompanying final culminating experience:

After acceptance into graduate study and successful completion of EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS or its equivalent and at least two-thirds of total number of program credits are completed, the student presents a thesis proposal under the guidance of his or her advisor six months before anticipated graduation.

This presentation is to be made in a formal meeting with the student's graduate committee. The thesis must convey conclusions on a 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 designed so the student receives training in the techniques of scientific inquiry, employing one or more of the commonly accepted tools of educational research.

The student's committee will carefully scrutinize the work of the student and make recommendations either to accept, accept with modifications, or not accept the proposal. Once accepted by the committee, the proposal and an outline are submitted to the Dean of Graduate Studies for approval. Students choosing the thesis option must register for a total of six course credits. Registration for all six credits 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. Students are ultimately responsible for the progress and completion of their thesis. The thesis:

- Is written under the direct supervision or guidance of the student's advisor

- Uses the APA style or a style that is discipline appropriate (the accepted writing style is APA; however, some disciplines may require their particular style)
- Must include an abstract of 150 words
- Is submitted to the student's committee for review and approval when the student and advisor are satisfied with the thesis.

After acceptance of the thesis by the advisor and committee, a final culminating experience will be scheduled. Copies of the thesis must be presented to the committee members at least two weeks before the scheduled date of the final culminating experience. The final culminating experience will include questions regarding the thesis, coursework, and other materials relevant to the student's field of study. The final culminating experience must be taken at least *four* weeks prior to the date of graduation or granting of the degree. Students who do not complete their culminating experience two weeks before the date of graduation will not be eligible for graduation until the next graduation or diploma granting date. Approval forms are signed by the committee after successful completion of the thesis and final culminating experience.

The examining committee members sign a statement verifying the outcome of the final culminating experience, which is presented to the Dean of Graduate Studies.

Note: Plan III is not available in all departments. Contact Records Office for more information.

## Residence Requirements

The completion of a minimum of 30 hours at Chadron State College is required for each master's degree.

## Portfolio

If applicable to your program, the portfolio is a purposeful, collaborative, self-reflective collection of the student's work generated during his or her graduate program. The portfolio includes a personal data sheet featuring professional and educational background information; courses completed, and anticipated educational and career goals. The procedures and content needed for portfolio construction are outlined in materials obtained from your academic advisor.

Students submit completed portfolios to their advisor and/or graduate committee prior to the final culminating experience.

## Second Master's Degree

### Second Master's Degree

Thirty (30) new hours must be completed for each Master's degree. No more than twelve (12) credit hours of approved coursework from the previous Chadron State College Master's degree may be applied to a second Master's degree.

#### Transfer courses

No more than nine (9) hours of approved transfer coursework can be applied toward each Master's degree. A grade of B- or higher must be earned and be no older than seven years by completion of second degree at CSC.

## Added Graduate Endorsements

If an individual wishes to add one or more graduate endorsements, a maximum of twelve (12) credit hours of approved coursework from Chadron State College may be applied and a maximum of nine (9) hours

of approved transfer coursework may be applied. All transfer courses must be approved by the Director of Field Experience/Certification Officer and be no older than seven years by completion of endorsement at CSC.

Please contact the Director of Field Experience/Certification Officer for additional information.

## Detailed Descriptions of Program Offerings

What follows is a detailed description of each of the master's degrees offered by CSC. These descriptions provide students with a start-to-finish review of the degrees—from application to graduation.

- Master of Arts in Education (p. 263)
- Master of Business Administration (p. 270)
  - Digital Marketing Certificate (p. 271)
  - Healthcare Management Certificate (p. 271)
- Master of Education (p. 272)
- Master of Science in Athletic Training (p. 277)
- Master of Science in Organizational Management (p. 278)

## Master of Arts in Education

The Master of Arts in Education (MAE) 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 a variety of career choices. Areas of study include:

- Clinical Mental Health Counseling
- Educational Administration
- History
- School Counseling (p. 268)
- Science and Mathematics

The following are criteria for acceptance into Graduate Study in the MAE Program:

- Application for admission to graduate study must be completed online on the CSC website.
- 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 MAE degree programs at CSC.
- Students must submit to CSC Admissions an official transcript from the college or university which issued the bachelor's degree and from any institutions attended afterwards, if applicable. Official transcripts must be sent directly to CSC from the college or university. Transcripts from CSC need not be submitted.

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 toward the desired degree. Graduate study, plan of study filing, applications for graduation and oral examination are separate and independent thresholds in the degree program. Students must apply for and be approved for each step.

Note: Graduate students must complete at least 24 course credits of graduate course work after being accepted for graduate study.

## Master of Arts in Education - Clinical Mental Health Counseling

The Clinical Mental Health Counseling Program offers a Master of Arts in Education. This degree program requires the successful completion of 60 credit hours of graduate education. Completion of the MAE in Clinical Mental Health Counseling provides graduates with the academic requirements toward mental health licensure in Nebraska. Along with the MAE degree, graduates who successfully pass the National Counselor Examination (NCE) will be prepared to apply for the provisional Licensed Mental Health Practitioner (PLMHP) license in Nebraska.

### Graduate Counselor Education Program Mission

The Counselor Education program's mission aims to prepare quality professional counselors for careers with state, regional, or national public and private mental health agencies, mental health institutions, and educational systems. We are committed to producing ethically and culturally competent counselors who demonstrate professional leadership with a purposeful commitment to client advocacy and social justice for the western High Plains States and the broader pluralistic nation.

### Graduate Counselor Education Program Objectives

1. The Counselor Education Program strives to educate academically prepared counselors.
2. The Counselor Education Program strives to produce diverse counselors.
3. The Counselor Education Program strives to develop dispositionally appropriate counselors manifesting clear counseling professional identities.

### Graduate Counselor Education Program Student Learning Outcomes

1. Professional Counseling Orientation and Ethical Practice: Develop a professional identity as a counselor, demonstrate an understanding of the counseling profession, and demonstrate a willingness to provide counseling services within the ethical guidelines of the counseling profession.
2. Social and Cultural Diversity: Demonstrate an understanding of the social and cultural influences, the effects of power and privilege, and the impact of acculturative experience on the counseling process.
3. Human Growth and Development: Develop an understanding of developmental aspects of human growth and appreciation for the nature of human development and its integration within the counseling process.
4. Career Development: Develop an understanding of career development and approaches for conceptualizing the interrelationships between work, mental wellbeing, and other life roles within counseling.
5. Counseling and Helping Relationships: Gain significant knowledge and application of major counseling theories in the context of individual, family, group, and crisis counseling. Demonstrate effective

individual counseling techniques that facilitate client growth and the ability to evaluate progress toward treatment goals.

6. Group Counseling and Group Work: Develop both experiential and theoretical understandings of group purpose, development, dynamics, counseling theories, group counseling methods and skills, and other group approaches.
7. Assessment and Testing: Gain knowledge and skills in assessment techniques and apply basic concepts to individual and group appraisal.
8. Research and Program Evaluation: Develop the ability to read, critique, evaluate, and contribute to professional research literature.
9. Clinical Mental Health Counseling Program: Practice counseling skills utilizing knowledge and application of various theories, dynamics, and techniques.
10. School Counseling Program: Develop a model for implementing a school counseling program.

### Program of Study

The Clinical Mental Health Counselor Education degree prepares students to work professionally in various public and private counseling agencies. In Nebraska and most states, counselors must seek licensure from the state to engage in counseling or therapy. Our Clinical Mental Health Counseling Program (CMHC) provides the academic background to support individuals pursuing licensure as mental health practitioners. The Department of Health & Human Services/Division of Public Health/Licensure Unit generally approves CSC counselor education courses for professional counselor continuing education (CE) credit. Please refer to the Counselor Education Student Handbook (<https://www.csc.edu/academics/counseling/>) for more detailed information.

#### Courses:

| Code     | Title   | Credits |
|----------|---|---------|
| EDCI 631 | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup>              | 3       |
| COUN 520 | PSYCHOPHARMACOLOGY, SOCIAL AND MEDICAL ISSUES IN ADDICTIONS | 3       |
| COUN 523 | DIAGNOSES AND THE DSM                                       | 3       |
| COUN 531 | COUNSELING AND COMMUNICATION SKILLS                         | 3       |
| COUN 532 | TREATMENT ISSUES IN ADDICTIONS                              | 3       |
| COUN 533 | COUNSELING ETHICS AND PROFESSIONAL IDENTITY                 | 3       |
| COUN 534 | FUNDAMENTALS OF ASSESSMENT                                  | 3       |
| COUN 535 | MULTICULTURAL COUNSELING                                    | 3       |
| COUN 541 | COUNSELING THEORIES   | 3       |
| COUN 545 | ESSENTIALS OF ADDICTION COUNSELING AND CASE MANAGEMENT      | 3       |
| COUN 601 | PRACTICUM-CLINICAL MENTAL HEALTH COUNSELING <sup>2</sup>    | 3       |
| COUN 629 | COUNSELING CHILDREN   | 3       |
| COUN 630 | CRISIS COUNSELING   | 3       |
| COUN 631 | PRINCIPLES AND PRACTICES OF MENTAL HEALTH COUNSELING        | 3       |
| COUN 632 | CAREER AND LIFESTYLE DEVELOPMENT                            | 3       |
| COUN 634 | GROUP COUNSELING  | 3       |
| COUN 636 | FAMILY COUNSELING   | 3       |
| COUN 637 | ADVANCED HUMAN DEVELOPMENT                                  | 3       |



|                      |                                       |           |
|----------------------|---------------------------------------|-----------|
| COUN 640             | INTERNSHIP IN COUNSELING <sup>2</sup> | 6         |
| <b>Total Credits</b> |                                       | <b>60</b> |

<sup>1</sup> Students should complete EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS within the first 12-credit hours of the program.

<sup>2</sup> CMHC students must complete Practicum & Internship in a clinical mental health setting.

## Clinical Mental Health Counseling Field Experience

COUN 601 PRACTICUM-CLINICAL MENTAL HEALTH COUNSELING and COUN 640 INTERNSHIP IN COUNSELING are required courses in the CMHC program curriculum. These courses provide practical, applied experience in a mental health setting. Please refer to the Counselor Education Student Handbook (<https://www.csc.edu/academics/counseling/>) for more detailed information.

## Licensed Alcohol & Drug Counselor (LADC)

CMHC students who also seek licensure as a Nebraska Licensed Alcohol & Drug Counselor (LADC) can complete the academic coursework toward this licensure and complete the field experiences under the supervision of a LADC. Don't hesitate to contact the Counselor Education Program for more information.

## Nebraska Professional School Counselor Endorsement

CMHC students who also seek endorsement as a Nebraska Professional School Counselor have the option to complete the academic coursework toward this endorsement, including an internship for each endorsement level under the supervision of an endorsed school counselor. Don't hesitate to contact the Counselor Education Program for more information.

## Master of Arts in Education - History Mission

The Master of Arts in Education - History combines graduate-level educational courses with advanced history courses to help students further their educational, intellectual, and professional goals.

## Student Learning Outcomes

Students graduating with the MAE in History will be able to:

- Analyze a single scholarly work in a standard academic review.
- Synthesize multiple scholarly works in a historiographical essay.
- Discuss significant scholarly works in an academic forum.
- Produce lesson modules based on primary sources and scholarly literature.
- Demonstrate ability to effectively deliver lessons in the subject matter using best pedagogical practices.

## History/Political Science/Anthropology Grade Requirements

All grades earned in History, Political Science, or Anthropology must be 'A' or 'B' to count towards the MAE History degree.

## Courses

Listed below is the course work required by the Program:

| Code   | Title   | Credits   |
|--|---|-----------|
| <b>Education Core Courses</b>                                      |   |           |
| EDCI 631   | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup>  | 3         |
| EDCI 633   | EDUCATIONAL PHILOSOPHY                          | 3         |
| Select one of the following:                                       |   | 3         |
| EDAD 631   | PUBLIC RELATIONS                                |           |
| EDCI 635   | CURRICULUM DEVELOPMENT                          |           |
| EDCI 639   | SYSTEMIC CHANGE: PROCESS FOR SCHOOL IMPROVEMENT |           |
| <b>Required Courses</b>  |   |           |
| Select one of the options below.                                   |   | 9         |
| Option I (p. 265)  |   |           |
| Option II (p. 265)   |   |           |
| <b>Electives</b>   |   |           |
| 500 or 600 level courses in History/Political Science/Anthropology |   | 18        |
| <b>Total Credits</b>   |   | <b>36</b> |

<sup>1</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS should be completed within the first 12 course credits of student's program of study.

## Required Courses – Option I

| Code                 | Title                       | Credits  |
|----------------------|-----------------------------|----------|
| HIST 635             | RESEARCH SEMINAR IN HISTORY | 3        |
| HIST 660             | THESIS                      | 6        |
| <b>Total Credits</b> |                             | <b>9</b> |

## Required Courses – Option II

| Code                    | Title                       | Credits  |
|-------------------------|-----------------------------|----------|
| HIST 635                | RESEARCH SEMINAR IN HISTORY | 3        |
| HIST 600-level Elective |                             | 3        |
| HIST 655                | SCHOLARLY PROJECT           | 3        |
| <b>Total Credits</b>    |                             | <b>9</b> |

## Master of Arts in Education - Science and Mathematics

### Mission

The Master 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 a variety of career choices.

### Student Learning Outcomes

Students graduating with the MAE in Science and Mathematics will be able to:

1. Demonstrate mathematical and scientific ability and a thorough knowledge of mathematics/science.
2. Apply mathematical and scientific knowledge in the field of mathematics/science education.

3. Communicate both about mathematics/science and by utilizing mathematics/science.
4. Use technology appropriately to do mathematics/science and then communicate about mathematics/science.
5. Apply mathematical sciences, including statistics and computer use, in other disciplines.

## Courses

Listed below is the course work required by the Program:

| Code   | Title  | Credits   |
|--|--|-----------|
| <b>Education Core Courses - Thesis Track</b>   |  |           |
| EDCI 631   | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup>     | 3         |
| EDCI 635   | CURRICULUM DEVELOPMENT                             | 3         |
| or EDAD 631  | PUBLIC RELATIONS                                   |           |
| MATH 533   | STATISTICAL METHODS AND DATA ANALYSIS <sup>2</sup> | 3         |
| MATH 535   | SAMPLING TECHNIQUES <sup>2</sup>                   | 3         |
| MATH 660   | THESIS RESEARCH                                    | 6         |
| <b>Elective Option</b>   |  |           |
| Education/Psychology Elective to be selected with advisor and approved by Graduate Committee |  | 3         |
| <b>Content Electives</b>   |  |           |
| Content Electives to be selected with advisor and approved by Graduate Committee             |  | 15        |
| <b>Total Credits</b>   |  | <b>36</b> |

| Code   | Title  | Credits   |
|--|--|-----------|
| <b>Education Core Courses - Scholarly Project Track</b>                                      |  |           |
| EDCI 631   | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup>     | 3         |
| EDCI 635   | CURRICULUM DEVELOPMENT                             | 3         |
| or EDAD 631  | PUBLIC RELATIONS                                   |           |
| MATH 533   | STATISTICAL METHODS AND DATA ANALYSIS <sup>2</sup> | 3         |
| MATH 535   | SAMPLING TECHNIQUES <sup>2</sup>                   | 3         |
| MATH 655   | SCHOLARLY PROJECT                                  | 3         |
| <b>Elective Option</b>   |  |           |
| Education/Psychology Elective to be selected with advisor and approved by Graduate Committee |  | 3         |
| <b>Content Electives</b>   |  |           |
| Content Electives to be selected with advisor and approved by Graduate Committee             |  | 18        |
| <b>Total Credits</b>   |  | <b>36</b> |

<sup>1</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 course credits of student's program of study.

<sup>2</sup> Students who have taken the undergraduate equivalent of these courses will work with their advisors and committees to determine appropriate value-added courses.

## Master of Arts in Education – Educational Administration

The Educational Administration Program at the master's degree level prepares individuals to be elementary and/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 dispositions necessary to be effective administrators according to the National Educational Leadership Preparation (NELP) program recognition standards. It is the responsibility of the students from states other than Nebraska to check with their resident state on specific state required courses needed to obtain their state's administrative endorsement/certificate and to choose their elective courses to meet these state requirements.

As visionary leaders in educational settings, the graduate candidates have integrated in their Educational Administration Program the knowledge, skills, and dispositions necessary for success in communication, thinking skills, methodology, leadership, professionalism, assessment, and inclusive learning environments.

## Student Learning Outcomes (Candidate Competencies)

Candidates for the Masters of Arts in Education (MAE) in Elementary, Secondary Administration, or other specialized administrative positions will provide leadership in the school setting.

Students graduating with the MAE in Educational Administration will be able to:

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, Inclusive Learning Environments*)
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, Professionalism, Assessment, Thinking Skills, Inclusive Learning Environments*)
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, 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, Inclusive Learning Environments*)
5. Demonstrate the skill, knowledge, and ability to promote the success of all students by acting fairly, with integrity, and in an ethical manner. (*Inclusive Learning Environments, 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, Inclusive Learning Environments*)
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, Professionalism, Assessment, Inclusive Learning Environments*)

The Master of Arts in Education - Educational Administration degree has the following options:

- Master of Arts in Education – Educational Administration - Elementary / Secondary Principal: (PK-8, 7-12, PK-12) (p. 267)

- Master of Arts in Education – Educational Administration Special Education Supervisor (Birth-Grade 12) (p. )

## Master of Arts in Education- Educational Administration- Principal: PK-8, 7-12, PK-12

Administrative certification is based on the requirements set by the Nebraska Department of Education. All administrative certificates in Nebraska have a minimum requirement that includes completion of an initial Education Preparation Program that requires a Student Teaching experience at either the baccalaureate or master level. Therefore, graduate candidates seeking a recommendation from the CSC Certification Officer should understand that recommendations will be based on prior completion of an initial Education Preparation Program where an endorsement at either the Elementary, Middle, or Secondary level was obtained.

Candidates who do not meet Nebraska certification requirements will use the Master of Arts in Education Degree as their documentation of program completion and will not receive a recommendation for certification/licensure from the CSC Certification Officer.

In consultation with the CSC Certification Officer, the qualified candidate (above) can obtain a provisional administrative certificate once a minimum of 50% of the program credit hours have been completed. The Praxis II test for Educational Leadership Administration and Supervision is required for graduation. Students seeking certification of this endorsement in Nebraska must reach the state minimum cut score (or higher) required for Nebraska Licensure. If seeking Nebraska Principal Administrative certification, candidates must meet all State of Nebraska requirements for a teaching certificate, as well as a minimum of two (2) years full-time teaching experience by the time of application for licensure.

### For the Educational Administration PK-8 Degree:

With an Undergraduate K-8, 5-9, or PK-12 Degree from Courses (listed below)

1. Basic Core Courses
2. Administrative Requirements
3. Electives – 6 credits
4. PRAXIS II

With an Undergraduate 7-12 Degree from Courses (listed below)

1. Basic Core Courses
2. Administrative Requirements
3. Electives – 6 credits
4. PK-8 Endorsement Electives – 9 credits
5. PRAXIS II

### For the Educational Administration 7-12 Degree:

With an Undergraduate 7-12 Degree from Courses (listed below)

1. Basic Core Courses
2. Administrative Requirements
3. Electives – 6 credits
4. PRAXIS II

With an Undergraduate K-8, 5-9, or PK-12 Degree from Courses (listed below)

1. Basic Core Courses
2. Administrative Requirements
3. Electives – 6 credits
4. 7-12 Endorsement Electives – 9 credits
5. PRAXIS II

### For the Educational Administration PK-12 Degree:

With an Undergraduate PK-12 or 5-9 Degree from Courses (listed below)

1. Basic Core Courses
2. Administrative Requirements
3. Electives – 6 credits
4. PRAXIS II

With an Undergraduate K-8 or 7-12 Degree from Courses (listed below)

1. Basic Core Courses
2. Administrative Requirements
3. Electives – 6 credits
4. Either K-8 or 7-12 Endorsement Electives – 9 credits
5. PRAXIS II

### Courses

Listed below is the course work required by the Program:

| Code  | Title   | Credits      |
|---|---|--------------|
| <b>Basic Core Courses</b>   |   |              |
| EDCI 631  | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup>                  | 3            |
| EDCI 633  | EDUCATIONAL PHILOSOPHY  | 3            |
| EDCI 635  | CURRICULUM DEVELOPMENT  | 3            |
| EDCI 638  | SCHOOL LAW  | 3            |
| <b>Administrative Requirements</b>  |   |              |
| EDAD 629  | FUNDAMENTALS OF SCHOOL ADMINISTRATION                           | 3            |
| EDAD 632  | SUPERVISION OF INSTRUCTION                                      | 3            |
| EDAD 633  | SCHOOL ADMINISTRATION AND LEADERSHIP                            | 3            |
| EDAD 634  | SCHOOL BUSINESS MANAGEMENT AND FINANCE                          | 3            |
| EDAD 638  | PERSONNEL ADMINISTRATION  | 3            |
| EDAD 639  | PRACTICUM/INTERNSHIP IN EDUCATIONAL ADMINISTRATION <sup>2</sup> | 3            |
| <b>Electives</b>  |   |              |
| Select Electives approved by Advisor and Graduate Committee from the following: |   | 6-15         |
| Select 6 credit hours of Electives  |   |              |
| Select 9 credit hours of Endorsement Electives for added level certification    |   |              |
| <b>Total Credits</b>  |   | <b>36-45</b> |

<sup>1</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 credits of a student's program of study.

<sup>2</sup> EDAD 639 PRACTICUM/INTERNSHIP IN EDUCATIONAL ADMINISTRATION Note: Two hundred-fifty clock hours of experience(s) in an approved or accredited elementary, middle,

secondary, special education, activities director, or curriculum/assessment director practicum/internship is required for certification.

## Master of Arts in Education – Educational Administration Principal (PK-12) and Special Education Supervisor (Birth-Grade 12)

This focus area is designed for an Education Administration candidate who holds a Special Education endorsement and desires preparation for the Director/Supervisor of Special Education programs. Two years of successful teaching experience is a prerequisite for certification. In consultation with the CSC Certification Officer, the candidate can obtain a provisional administrative certificate once a minimum of 50% of the program credit hours have been completed. The Praxis II test for Educational Leadership Administration and Supervision is required for graduation.

### Courses

Listed below is the course work required by the Program:

| Code                                  | Title   | Credits   |
|---------------------------------------|---|-----------|
| <b>Basic Core Courses</b>             |   |           |
| EDCI 631                              | RESEARCH DESIGN AND DATA ANALYSIS <sup>3</sup>  | 3         |
| EDCI 633                              | EDUCATIONAL PHILOSOPHY  | 3         |
| EDCI 635                              | CURRICULUM DEVELOPMENT  | 3         |
| EDCI 638                              | SCHOOL LAW  | 3         |
| <b>Administrative Requirements</b>    |   |           |
| EDAD 629                              | FUNDAMENTALS OF SCHOOL ADMINISTRATION   | 3         |
| EDAD 632                              | SUPERVISION OF INSTRUCTION  | 3         |
| EDAD 633                              | SCHOOL ADMINISTRATION AND LEADERSHIP  | 3         |
| EDAD 638                              | PERSONNEL ADMINISTRATION  | 3         |
| EDAD 639                              | PRACTICUM/INTERNSHIP IN EDUCATIONAL ADMINISTRATION <sup>4</sup>                         | 3         |
| <b>Special Education Requirements</b> |   |           |
| SPED 531                              | PROGRAM DEVELOPMENT, IMPLEMENTATION, AND MANAGEMENT                                     | 3         |
| SPED 535                              | ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES                                   | 3         |
| SPED 536                              | ELEMENTARY/MIDDLE SCHOOL/SECONDARY METHODS AND MATERIALS FOR MILD/MODERATE DISABILITIES | 3         |
| SPED 539                              | LANGUAGE AND LEARNING DISORDERS   | 3         |
| SPED 630                              | CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES                                | 3         |
| <b>Total Credits</b>                  |   | <b>42</b> |

<sup>3</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 credits of a student's program of study.

<sup>4</sup> **EDAD 639 PRACTICUM/INTERNSHIP IN EDUCATIONAL ADMINISTRATION** Note: Two hundred-fifty clock hours of practicum/internship experiences (split between building administration and Special Education) in an approved or accredited school system is required for certification.

## Master of Arts in Education – School Counseling Grades PK-8, 7-12, PK-12

The School Counseling Program offers a Master of Arts in Education. This degree program requires the successful completion of 39 credit hours of graduate education.

### Graduate Counselor Education Program Mission

The Counselor Education program's mission aims to prepare quality professional counselors for careers with state, regional, or national public and private mental health agencies, mental health institutions, and educational systems. We are committed to producing ethically and culturally competent counselors who demonstrate professional leadership with a purposeful commitment to client advocacy and social justice for the western High Plains States and the broader pluralistic nation.

### Graduate Counselor Education Program Objectives

1. The Counselor Education Program strives to educate academically prepared counselors.
2. The Counselor Education Program strives to produce diverse counselors.
3. The Counselor Education Program strives to develop dispositionally appropriate counselors manifesting clear counseling professional identities.

### Graduate Counselor Education Program Student Learning Outcomes

1. Professional Counseling Orientation and Ethical Practice: Develop a professional identity as a counselor, demonstrate an understanding of the counseling profession, and demonstrate a willingness to provide counseling services within the ethical guidelines of the counseling profession.
2. Social and Cultural Diversity: Demonstrate an understanding of the social and cultural influences, the effects of power and privilege, and the impact of acculturative experience on the counseling process.
3. Human Growth and Development: Develop an understanding of developmental aspects of human growth and appreciation for the nature of human development and its integration within the counseling process.
4. Career Development: Develop an understanding of career development and approaches for conceptualizing the interrelationships between work, mental wellbeing, and other life roles within counseling.
5. Counseling and Helping Relationships: Gain significant knowledge and application of major counseling theories in the context of individual, family, group, and crisis counseling. Demonstrate effective individual counseling techniques that facilitate client growth and the ability to evaluate progress toward treatment goals.
6. Group Counseling and Group Work: Develop both experiential and theoretical understandings of group purpose, development, dynamics, counseling theories, group counseling methods and skills, and other group approaches.

7. Assessment and Testing: Gain knowledge and skills in assessment techniques and apply basic concepts to individual and group appraisal.
8. Research and Program Evaluation: Develop the ability to read, critique, evaluate, and contribute to professional research literature.
9. Clinical Mental Health Counseling Program: Practice counseling skills utilizing knowledge and application of various theories, dynamics, and techniques.
10. School Counseling Program: Develop a model for implementing a school counseling program.

## Program of Study

The School Counseling MAE degree prepares students to work as professional school counselors in Nebraska. CSC offers two academic options in preparation for the Nebraska Department of Education (NDE) Professional School Counselor endorsement. Please refer to the Counselor Education Student Handbook (<https://www.csc.edu/academics/counseling/>) for more detailed information.

## School Counseling-Option 1

This option is for students currently holding a valid Teaching Certificate.

### Courses:

| Code                                      | Title  | Credits   |
|---|--|-----------|
| EDCI 631                                  | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup> | 3         |
| COUN 531                                  | COUNSELING AND COMMUNICATION SKILLS            | 3         |
| COUN 533                                  | COUNSELING ETHICS AND PROFESSIONAL IDENTITY    | 3         |
| COUN 534                                  | FUNDAMENTALS OF ASSESSMENT                     | 3         |
| COUN 535                                  | MULTICULTURAL COUNSELING                       | 3         |
| COUN 541                                  | COUNSELING THEORIES                            | 3         |
| COUN 602                                  | PRACTICUM-SCHOOL COUNSELING                    | 3         |
| Choose one of the following: <sup>2</sup> |  | 3         |
| COUN 629                                  | COUNSELING CHILDREN                            |           |
| COUN 630                                  | CRISIS COUNSELING                              |           |
| COUN 632                                  | CAREER AND LIFESTYLE DEVELOPMENT               | 3         |
| COUN 634                                  | GROUP COUNSELING                               | 3         |
| COUN 635                                  | SCHOOL COUNSELING                              | 3         |
| COUN 637                                  | ADVANCED HUMAN DEVELOPMENT                     | 3         |
| COUN 640                                  | INTERNSHIP IN COUNSELING <sup>3</sup>          | 3         |
| <b>Total Credits</b>                      |  | <b>39</b> |

<sup>1</sup> Students should complete EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS within the first 12-credit hours of the program.

<sup>2</sup> Students can elect to take COUN 629 Counseling Children or COUN 630 Crisis Counseling.

<sup>3</sup> Students seeking PK-8 or 7-12 school counseling endorsements must complete one 450-hour elementary or secondary school counseling internship relative to the endorsement they are seeking. Students seeking a PK-12 school counseling endorsement must complete a 450-hour elementary school counseling internship and a 450-hour secondary school counseling internship for a total of 900-hours. Students may need to register for additional credits to satisfy this requirement.

## School Counseling-Option 2

This option is for students without an undergraduate degree in teacher education, or a valid teaching certificate, who seek a Nebraska Professional School Counselor Endorsement. Please refer to the Counselor Education Student Handbook (<https://www.csc.edu/academics/counseling/>) for more detailed information.

### Courses:

| Code                                      | Title   | Credits   |
|---|---|-----------|
| EDCI 631                                  | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup>  | 3         |
| COUN 531                                  | COUNSELING AND COMMUNICATION SKILLS             | 3         |
| COUN 533                                  | COUNSELING ETHICS AND PROFESSIONAL IDENTITY     | 3         |
| COUN 534                                  | FUNDAMENTALS OF ASSESSMENT                      | 3         |
| COUN 535                                  | MULTICULTURAL COUNSELING                        | 3         |
| COUN 541                                  | COUNSELING THEORIES                             | 3         |
| COUN 602                                  | PRACTICUM-SCHOOL COUNSELING                     | 3         |
| Choose one of the following: <sup>2</sup> |   | 3         |
| COUN 630                                  | CRISIS COUNSELING                               |           |
| COUN 629                                  | COUNSELING CHILDREN                             |           |
| COUN 632                                  | CAREER AND LIFESTYLE DEVELOPMENT                | 3         |
| COUN 634                                  | GROUP COUNSELING                                | 3         |
| COUN 635                                  | SCHOOL COUNSELING                               | 3         |
| COUN 637                                  | ADVANCED HUMAN DEVELOPMENT                      | 3         |
| COUN 640                                  | INTERNSHIP IN COUNSELING <sup>3</sup>           | 3         |
| EDUC 530                                  | INTEGRATED CLASSROOM METHODOLOGY                | 3         |
| EDUC 639                                  | ADVANCED METHODS OF PERFORMANCE ASSESSMENT      | 3         |
| EDCI 635                                  | CURRICULUM DEVELOPMENT                          | 3         |
| Choose one of the following:              |   | 3         |
| READ 535                                  | READING AND THE AT-RISK STUDENT                 |           |
| READ 638                                  | SEMINAR IN READING: ISSUES, TRENDS AND PROGRAMS |           |
| Choose one of the following:              |   | 3         |
| SPED 230                                  | INTRODUCTION TO THE EXCEPTIONAL LEARNER         |           |
| SPED 532                                  | SURVEY OF SPECIAL EDUCATION                     |           |
| <b>Total Credits</b>                      |   | <b>54</b> |

<sup>1</sup> Students should complete EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS within the first 12-credit hours of the program.

<sup>2</sup> Students can elect to take COUN 629 Counseling Children or COUN 630 Crisis Counseling.

<sup>3</sup> Students seeking PK-8 or 7-12 school counseling endorsements must complete one 450-hour elementary or secondary school counseling internship relative to the endorsement they are seeking. Students seeking a PK-12 school counseling endorsement must complete a 450-hour elementary school counseling internship and a 450-hour secondary school counseling internship for a total of 900-hours. Students may need to register for additional credits to satisfy this requirement.

## School Counseling Field Experience

COUN 602: Practicum-Clinical Mental Health Counseling and COUN 640: Internship in Counseling are required courses in the School Counseling program curriculum. These courses provide practical, applied

experience in a school setting. Please refer to the Counselor Education Student Handbook (<https://www.csc.edu/academics/counseling/>) for more detailed information.

### School Counseling Endorsement

To be recommended for the Nebraska School Counselor endorsement, the student must meet all Nebraska Department of Education Endorsement requirements. Students will choose to seek endorsement at the PK-8, 7-12, or PK-12 Nebraska Department of Education endorsement levels. Please refer to the Counselor Education Student Handbook (<https://www.csc.edu/academics/counseling/>) for more detailed information.

## Licensed Alcohol & Drug Counselor (LADC)

School Counseling students who also seek licensure as a Nebraska Licensed Alcohol & Drug Counselor (LADC) can complete the academic courses toward this licensure and complete field experiences under the supervision of a LADC. Don't hesitate to contact the Counselor Education Program for more information.

## Licensed Mental Health Practitioner (LMHP)

School Counseling students who also seek licensure as a Nebraska Clinical Mental Health Practitioner (LMHP) can add the DHHS required CMHC courses and complete additional field experiences in a Clinical Mental Health setting under the supervision of a Licensed Mental Health Practitioner or state-approved Clinical Mental Health Provider. Don't hesitate to contact the Counselor Education Program for more information.

## Graduation Without Endorsement or Certification

In rare cases, permission is granted for graduation without a recommendation for endorsement or certification. This provision is for students who do not qualify for or have been removed from their curricular program. Or, due to illness or other extreme situations, a candidate will decide not to complete all professional requirements. In this situation, the candidate should contact their advisor and complete a formal request to the Graduate Dean to be allowed to graduate without completing all endorsement or certification requirements. The Graduate Dean and the Vice President for Academic Affairs will determine the merit of the request. With permission, this will lead to an appropriate amended plan of study. Candidates who graduate without a recommendation for endorsement will not be supported for the Nebraska School Counselor endorsement in any state. If the candidate wishes to complete certification requirements, they must first apply for readmission to the CSC graduate program.

## Master of Business Administration

CSC's Master of Business Administration (MBA) degree is nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

## Mission

Deliver a program designed for supervisory and mid-level managers which develops practices consistent with the adaptability required for high performance management.

## Student Learning Outcomes

Students graduating with the MBA will be able to:

1. Attain a career, career advancement, or entrance into an additional or advanced graduate program in business or a related field.
2. Demonstrate critical thinking skills in the area of business.
3. Effectively practice their profession upon graduation by integrating the core business functions.

## Measurement Instruments

The Department of Business will use a combination of instruments to measure the effectiveness of the learning outcomes for students in the MBA program. These instruments include but are not limited to:

- stakeholder surveys,
- internship data,
- course evaluations, and
- a culminating experience during the last semester of the student's program.

## Application for Admission

Individuals applying for admission into the MBA program at CSC shall meet the following entrance requirements:

1. Application for admission to graduate study must be completed online on the CSC website.
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.
3. Students must submit to Admissions an official transcript from the college or university which issued bachelor's degree and from any institutions attended afterwards, if applicable. (To be considered an official transcript, it must be sent directly to CSC from the college or university.) Transcripts from CSC need not be submitted.

## Courses

Listed below is the course work required by the Program. All MBA students are required to complete the MBA core courses as well as a focus area or the General track.

| Code                    | Title                                    | Credits |
|-------------------------|--|---------|
| <b>MBA Core Courses</b> |  |         |
| ACTG 632                | MANAGERIAL ACCOUNTING                    | 3       |
| BIS 632                 | INFORMATION SYSTEMS FOR MANAGERS         | 3       |
| FIN 631                 | CORPORATE FINANCE                        | 3       |
| MGMT 620                | HIGH PERFORMANCE LEADERSHIP              | 3       |
| MGMT 630                | ORGANIZATIONAL BEHAVIOR                  | 3       |
| MGMT 634                | BUSINESS STRATEGY                        | 3       |
| MGMT 639                | LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS | 3       |
| MKTG 630                | MARKETING MANAGEMENT                     | 3       |
| FOCUS AREAS:            |  | 12      |

|                                |           |
|--------------------------------|-----------|
| Accounting (p. )               |           |
| Digital Marketing (p. 271)     |           |
| General Track (p. 271)         |           |
| Healthcare Management (p. 271) |           |
| <b>Total Credits</b>           | <b>36</b> |

## ACCOUNTING

| Code   | Title                                      | Credits   |
|--|--|-----------|
| Core Requirements:   |  | 24        |
| ACTG 638   | FINANCIAL STATEMENT ANALYSIS               | 3         |
| MGMT 625   | BUSINESS ANALYTICS FOR MANAGERS            | 3         |
| Select two of the following:   |  | 6         |
| ACTG 533   | GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING |           |
| ACTG 537   | ADVANCED COST MANAGEMENT ACCOUNTING        |           |
| ACTG 543   | ADVANCED FINANCIAL ACCOUNTING              |           |
| Other Elective courses approved in consultation with student's advisor |  |           |
| <b>Total Credits</b>   |  | <b>36</b> |

## DIGITAL MARKETING

| Code                 | Title                            | Credits   |
|----------------------|----------------------------------|-----------|
| Core Requirements:   |                                  | 24        |
| MKTG 634             | MOBILE MEDIA MARKETING           | 3         |
| MKTG 643             | SOCIAL MEDIA STRATEGY            | 3         |
| MKTG 625             | DIGITAL MEDIA ANALYTICS          | 3         |
| MKTG 652             | DIGITAL MEDIA MARKETING CAPSTONE | 3         |
| <b>Total Credits</b> |                                  | <b>36</b> |

## GENERAL TRACK

| Code  | Title                                  | Credits |
|---|--|---------|
| Core Requirements:                                |  | 24      |
| ECON 637  | MANAGERIAL ECONOMICS                   | 3       |
| Select 9 credits from the following: <sup>1</sup> |  | 9       |
| ACTG 638  | FINANCIAL STATEMENT ANALYSIS           |         |
| FIN 632   | FINANCE FOR MANAGERS                   |         |
| MGMT 610  | HUMAN CAPITAL MANAGEMENT               |         |
| MGMT 625  | BUSINESS ANALYTICS FOR MANAGERS        |         |
| MGMT 640  | US HEALTHCARE SYSTEM                   |         |
| MGMT 641  | HEALTH LAW AND ETHICS                  |         |
| MGMT 642  | HEALTHCARE MANAGEMENT                  |         |
| MKTG 625  | DIGITAL MEDIA ANALYTICS                |         |
| MKTG 634  | MOBILE MEDIA MARKETING                 |         |
| MKTG 643  | SOCIAL MEDIA STRATEGY                  |         |
| BA 690  | INTERNSHIP IN BUSINESS                 |         |
| ACTG 560  | TOPICS IN ACCOUNTING                   |         |
| BA 560  | TOPICS IN BUSINESS                     |         |
| BIS 560   | TOPICS IN BUSINESS INFORMATION SYSTEMS |         |
| ECON 560  | TOPICS IN ECONOMICS                    |         |
| FIN 560   | TOPICS IN FINANCE                      |         |
| MGMT 560  | TOPICS IN MANAGEMENT                   |         |

|                      |                                      |           |
|----------------------|--------------------------------------|-----------|
| MKTG 560             | TOPICS IN MARKETING/ENTREPRENEURSHIP |           |
| <b>Total Credits</b> |                                      | <b>36</b> |

## HEALTHCARE MANAGEMENT

| Code                                 | Title                  | Credits   |
|--------------------------------------|------------------------|-----------|
| Core Requirements:                   |                        | 24        |
| MGMT 640                             | US HEALTHCARE SYSTEM   | 3         |
| MGMT 641                             | HEALTH LAW AND ETHICS  | 3         |
| MGMT 642                             | HEALTHCARE MANAGEMENT  | 3         |
| Select 3 credits from the following: |                        | 3         |
| CA 560                               | HEALTH COMMUNICATION   |           |
| Healthcare Internship                |                        |           |
| BA 690                               | INTERNSHIP IN BUSINESS |           |
| <b>Total Credits</b>                 |                        | <b>36</b> |

<sup>1</sup> Topics courses may be repeated for a total of nine credits with a change in emphasis.

- Digital Marketing (p. 271)
- Healthcare Management (p. 271)

## Digital Marketing

Students will be required to have a Bachelor's degree in order to enroll in the graduate certificates. Students seeking a graduate certificate will be admitted as non-degree seeking.

Certificates will be awarded to students in certificate programs who complete the following requirements:

| Code                 | Title                            | Credits   |
|----------------------|----------------------------------|-----------|
| MKTG 625             | DIGITAL MEDIA ANALYTICS          | 3         |
| MKTG 634             | MOBILE MEDIA MARKETING           | 3         |
| MKTG 643             | SOCIAL MEDIA STRATEGY            | 3         |
| MKTG 652             | DIGITAL MEDIA MARKETING CAPSTONE | 3         |
| <b>Total Credits</b> |                                  | <b>12</b> |

## Healthcare Management

Students will be required to have a Bachelor's degree in order to enroll in the graduate certificates. Students seeking a graduate certificate will be admitted as non-degree seeking.

Certificates will be awarded to students in certificate programs who complete the following requirements:

| Code                 | Title                 | Credits   |
|----------------------|-----------------------|-----------|
| MGMT 640             | US HEALTHCARE SYSTEM  | 3         |
| MGMT 641             | HEALTH LAW AND ETHICS | 3         |
| MGMT 642             | HEALTHCARE MANAGEMENT | 3         |
| CA 560               | HEALTH COMMUNICATION  | 3         |
| <b>Total Credits</b> |                       | <b>12</b> |

# Master of Education

## Nationally Accredited by CAEP (Council for the Accreditation of Educator Preparation)

CSC's Master of Education (MEd) Degree program is nationally accredited by the Council for the Accreditation of Education Programs (CAEP). The MEd degree is designed for individuals holding an initial teaching certificate at either the baccalaureate or master level.

The completion of this degree program will normally entitle recipients to be certified at the professional level for positions in teaching and/or administration. *A degree in teacher education, which included student teaching, is a requirement for Nebraska Certification.*

## Mission

The mission of the CSC Educator Preparation program, founded on educating Visionary Leaders, is to prepare graduate level candidates to use current best-practices, and effective pedagogical methods that positively impact PK-12 student learning. Candidates will develop advanced knowledge and skills, as appropriate to their specific program of study, in the area of Curriculum and Instruction (p. 274).

## Philosophy

Education in a democracy is accepted as the most important human activity for the maintenance, perpetuation, and advancement of the society. The Education program at CSC is dedicated to the development of visionary leaders. The program recognizes the institutional responsibility of developing leadership that promotes collaborative engagement and advocacy to influence policy development to serve all constituents in our profession. The faculty within the Education program 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. Students 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 (candidate) will serve others after graduation in their role as an educator.

CSC believes the educator's role is to facilitate learning. The facilitation of learning is accomplished by creating opportunities for all learners to participate actively in the learning environment and to process knowledge through methods appropriate to their individual learning styles. CSC's model is based to a great extent on the constructivist theory of learning. Various methods of instruction are planned to be consistent with sound theory and current research findings. Individual faculty members are free to use varied approaches and personalized techniques in instruction. In creating a non-threatening learning climate, allowances for 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 subject matter are not diminished in the teaching effort which will produce the greatest positive change.

## The Visionary Leader Model

Chadron State College's Education Preparation 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. CSC bequeaths a vital educational vision – one that honors both tradition and innovation – to our students.

The visionary leader model is depicted by three interlocking circles, each representing an interrelated area of the curriculum: Essential Studies, Specialty Studies, and Professional Studies. One circle, *professional studies*, consists of seven learning themes that make up the conceptual framework for the Education program. These learning themes are:

- Communication
- Assessment
- Thinking Skills
- Inclusive Learning Environment
- Methodology
- Professionalism
- Leadership

These seven themes constitute the conceptual framework for the professional preparation programs at CSC. All seven themes are interwoven throughout the professional preparation program curricula.

### 1. Assessment

Successful candidates will understand both formal and informal strategies to assess the learner's intellectual, social and physical development. The candidate will be able to design and assess learning activities utilizing the data collected from those assessment measures to make instructional and/or curricular decisions to improve student learning.

### 2. Communication

Successful candidates will demonstrate effective communication skills with all constituents, while respecting diversity and engaging students in the learning enterprise through motivation and constructive learning applications.

### 3. Inclusive Learning Environments

Successful candidates will develop and maintain a physically inclusive and emotionally safe classroom environment conducive to effective learning, which encourages the voicing of student concerns, embraces elements of diversity, and exhibits an understanding of child growth and development.

### 4. Methodology

Successful candidates will demonstrate the active willingness to model and use skills and knowledge to promote learning activities that are consistent with identified learning objectives, using varied methodological and technology driven modalities. Similarly, candidates are constructing their own beliefs about effective teaching practices.

### 5. Professionalism

Successful candidates will demonstrate conduct befitting a professional educator, to include the following dispositions:

- regular self-reflection;
- positive ethical behavior;
- respectful attitude;
- proper mode of dress;
- effective classroom management skills;
- appropriate knowledge of subject matter;
- and seeks the opportunity to grow professionally.



## 6. Thinking Skills

Thinking skills apply to all subjects and to student learning at all levels. Candidates at all levels will recognize and demonstrate activities that elicit critical thought beyond recall and comprehension.

## 7. Leadership

Successful candidates recognize and demonstrate leadership traits that promote the engagement of individuals in a professional and ethical manner to lead toward common goals.

## Student Learning Outcomes

Each set of specific student learning outcomes for each advanced level program is listed under the corresponding program in the following pages.

## Moral Character and Safety Concerns

Education is a profession that requires its potential candidates to be individuals of integrity. Prospective teachers and administrators 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, administrators, and school counselors are responsible for the education, safety and well being for anyone in their charge. Therefore, the CSC Education Preparation Program is interested in training future teachers and other school professionals 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 for risk to young persons and others in the educational community, the Education Program 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, administrator, or counselor internship or similar field experiences; 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 Nebraska Department of Education reasonably determines to render 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
- In need of a guardian or conservator, or
- 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, administrative internship, laboratory and/or classroom field experiences or intern experiences without approval by the Nebraska Board of Education. To comply with this policy, the CSC Education Preparation Program will require each student/candidate to affirm under oath that he/she does not have any convictions in the above-named areas prior to each field experience placement, and to submit proof of a current background check. If a candidate does have any felony or misdemeanor conviction(s), he/she is required to meet with the CSC Certification Officer as soon as possible. Students with questions pertaining to convictions should also contact this Education Preparation Program office.

## Certification or Added Endorsement Programs

To be recommended for Teacher Licensure or certification, the student/candidate must have

1. Met all course and credit requirements for endorsement in their specialization field(s)
2. Received departmental approval and recommendation
3. Met all graduation requirements for the appropriate degree or added endorsement program
4. If required for a program or added endorsement, have passed the appropriate Praxis II exam

Education Administration candidates must take the Praxis II examination for school administration (5411 Educational Leadership Administration and Supervision [ELAS]). A candidate seeking an additional endorsement after completing his or her degree program must complete the appropriate course work, and officially notify the Teacher Certification Officer upon completion of the endorsement program/course work requesting the endorsement be posted to the student's official CSC transcript record. The student may then submit a Nebraska Application for Certification to the Nebraska Dept. of Education.

## State of Nebraska Teaching Profession: Code of Ethics

CSC Education Program students (at the initial and advanced levels) are required to abide by the Nebraska Teaching Professional Code of Ethics; see: <https://nppc.nebraska.gov/sites/nppc.nebraska.gov/files/doc/CODE%20OF%20ETHICS.pdf>. Students not abiding by the principles outlined in the Code of Ethics will not be recommended for teacher or administrative licensure by CSC.

## Graduation Without Certification

Not all Master of Education programs lead to Certification. Certification is based on the requirements of Nebraska Department of Education. All teaching or administrative certificates in Nebraska have a minimum requirement that includes completion of an initial Teacher Education program that requires a Student Teaching experience at either the baccalaureate or master level. The Nebraska Department of Education

also requires a minimum of 2 years successful teaching experience as a requisite to earning an administrative certificate. Therefore, graduate candidates seeking a recommendation from the Certification Officer should understand that recommendations will be based on meeting the Nebraska Department of Education requirements for the program in which the candidate is completing. Candidates who do not meet Nebraska certification requirements will use the Master of Education degree as their documentation of program completion and will not receive a recommendation for certification from the CSC Certification Officer.

## Program Changes

CSC 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 candidates majoring in programs leading to an endorsement and/or certification are subject to any program rule changes that may occur while a candidate is enrolled. If a candidate has not completed their program of study within three years following the program change, he/she will be required to adjust his or her program to reflect the required change.

## Application for Admission

The following are criteria for acceptance into Graduate Study in the MED program:

1. Application for admission to graduate study must be completed on forms available online on the CSC website.
2. Options for candidates seeking Educational Administration programing who have completed an Education Preparation program (that included a student teaching experience) and resulted in a teaching endorsement:
  - Curriculum/Assessment Supervisor PK-12
  - Principal-Elementary PK-8
  - Principal PK-12
  - Principal-Secondary 7-12
  - Special Education Supervisor Birth-12 (requires candidate to hold a Special Education endorsement)
3. Option for admission for candidates who **have not** completed an Education Preparation program (which includes a student teaching experience) and resulted in a teaching endorsement, must choose the following option:
  - Educational Administration: Non-Certified.
4. 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.
5. Students must submit to the CSC Admissions Office an official transcript record of courses completed from the college/university which issued the bachelor's degree, and from any institutions attended there after, if applicable. (In order to be considered an official transcript, it must be sent directly to Chadron State College from the college or university Records/Registrars Office.) Transcripts from Chadron State College need not be submitted.
6. Experience requirements:
  - MEd.: School Administrators – 18-24 credits of professional education courses is a prerequisite for admission. The Certification Officer should be consulted to determine whether a satisfactory Core Basic Skills score and courses in Special Education and Human Relations may be required.
  - MEd.: School Counseling and Curriculum and Instruction – candidates seeking the School Counseling Endorsement program have two degree pathways in which to choose:
    - If the candidate holds an initial teaching certificate and has a minimum of two (2) years of teaching experience
    - If the candidate does not hold an initial teaching certificate, but holds a degree in another field of counseling.
    - The CSC Certification Officer should be consulted to determine which program pathway is appropriate for you.
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 Dean of Graduate Studies may require students to make up any deficiency in preparation by completing specified courses without credit toward the desired degree.
8. A student whose goal is to teach Dual Credit courses at the high school level must complete 18 hours of graduate course work in the desired subject area. Broad field content options will not lead to Dual Credit certification. Speak with Admissions if that is your purpose in seeking this degree.

Acceptances to graduate study, plan of study filing, application for graduate and oral examination are separate and independent steps in the degree program. Students must apply to be approved for each level.

Note: Graduate students must complete at least 24 course credits of graduate course work after being accepted for graduate study.

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

- Acceptance: The Dean of Graduate Studies approves the application and the student advances into Graduate Study. If the Dean has areas of concern, those concerns will be stated. Additional coursework or other appropriate requirements may be required.
- Conditional Acceptance: The Dean recognizes 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 Dean of Graduate Studies does 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 Education - 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 this program are committed to the design, development, and delivery of classroom instruction. Courses prepare candidates

- to identify and use research-based practices in elementary, middle-level, or secondary schools;
- to design curriculum for a variety of levels; and
- to 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, graduate-level candidates integrate in their Curriculum and Instruction Program the knowledge, skills, and dispositions necessary for success in communication, thinking skills, methodology, leadership, professionalism, assessment, and inclusive learning environments.

## Student Learning Outcomes (Candidate Competencies)

Candidates for the MEd in Elementary and Secondary Curriculum and Instruction will provide leadership in the school setting.

Students graduating with the MEd in Curriculum and Instruction, aligned to InTASC Standards, will be able to:

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, Inclusive Learner Environments*)
2. Develop and implement curriculum using a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills. (*Methodology, Thinking Skills*)
3. Design and facilitate a learning environment that encourages individual and group motivation, positive social interaction, and active engagement in learning. (*Methodology, Professionalism, Assessment*)
4. Demonstrate cultural awareness, gender sensitivity, and racial and ethnic appreciation in fostering an inclusive learning environment. (*Inclusive Learning Environments, Methodology*)
5. Communicate clearly using listening, writing, speaking, and media skills in a manner that is consistent with and responsive to the specific audience. (*Communication, Professionalism*)
6. Utilize assessment strategies and data to improve student learning and social development at the individual and program level. (*Assessment, Methodology*)
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*)
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, Inclusive Learning Environments*)

## Master of Education - Curriculum and Instruction - Elementary – General Education Option

**Note:** This degree program does not lead to an Elementary Education Teaching Endorsement or Elementary Classroom Certification. This option is designed for elementary or middle school educators who desire to expand their breadth of knowledge at the K-8 level.

### Courses

Listed below is the course work required by the Program:

| Code                      | Title  | Credits |
|---------------------------|--|---------|
| <b>Basic Core Courses</b> |  |         |
| EDCI 631                  | RESEARCH DESIGN AND DATA ANALYSIS <sup>1</sup> | 3       |
| EDCI 633                  | EDUCATIONAL PHILOSOPHY                         | 3       |
| EDCI 635                  | CURRICULUM DEVELOPMENT                         | 3       |

|  |   |           |
|--|---|-----------|
| EDCI 638   | SCHOOL LAW  | 3         |
| EDUC 639   | ADVANCED METHODS OF PERFORMANCE ASSESSMENT                                    | 3         |
| SPED 630   | CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES                      | 3         |
| <b>Required Elementary Performance Courses</b>         |   |           |
| EDCI 632   | IMPROVEMENT OF INSTRUCTION IN HEALTH AND SCIENCE IN ELEMENTARY/MIDDLE SCHOOLS | 3         |
| EDCI 634   | IMPROVEMENT OF INSTRUCTION IN MATHEMATICS IN ELEMENTARY/MIDDLE SCHOOLS        | 3         |
| EDCI 636   | IMPROVEMENT OF INSTRUCTION IN SOCIAL STUDIES IN ELEMENTARY/MIDDLE SCHOOLS     | 3         |
| EDCI 637   | IMPROVEMENT OF INSTRUCTION IN LANGUAGE ARTS IN ELEMENTARY/MIDDLE SCHOOLS      | 3         |
| READ 531   | IMPROVEMENT OF INSTRUCTION IN READING   | 3         |
| <b>Electives</b>                                       |   |           |
| Select an Elective Course, Scholarly Project or Thesis |   | 3         |
| <b>Total Credits</b>                                   |   | <b>36</b> |

<sup>1</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS should be completed within the first 12 credits of a student's program of study.

## Master of Education - Curriculum and Instruction - Elementary – Field Option (Concentration in a Subject Area)

**Note:** This degree program does not lead to an Elementary Education Teaching Endorsement or Elementary Classroom Certification, or to an Endorsement of certification in any of the field concentration areas. A student may pursue a master's in education with a field concentration consisting of 9 to 12 course credits to be selected in consultation with his or her advisor. Three to six course credits of the 36 total credits may consist of a scholarly project, thesis, action research, or practicum/ internship. This option is designed for middle school educators or for elementary educators who desire to expand their breadth of knowledge of a particular field of concentration at the K-8 level.

### Courses

Listed below is the course work required by the Program:

| Code  | Title   | Credits |
|---|---|---------|
| <b>Basic Core Courses</b>                                 |   |         |
| EDCI 631  | RESEARCH DESIGN AND DATA ANALYSIS <sup>2</sup>                                | 3       |
| EDCI 633  | EDUCATIONAL PHILOSOPHY  | 3       |
| EDCI 635  | CURRICULUM DEVELOPMENT  | 3       |
| EDCI 638  | SCHOOL LAW  | 3       |
| EDUC 639  | ADVANCED METHODS OF PERFORMANCE ASSESSMENT                                    | 3       |
| SPED 630  | CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES                      | 3       |
| <b>Advisor Consultation Option</b>                        |   |         |
| Select one of the following in consultation with advisor: |   | 3       |
| READ 531  | IMPROVEMENT OF INSTRUCTION IN READING   |         |
| EDCI 632  | IMPROVEMENT OF INSTRUCTION IN HEALTH AND SCIENCE IN ELEMENTARY/MIDDLE SCHOOLS |         |

|          |   |
|----------|---|
| EDCI 634 | IMPROVEMENT OF INSTRUCTION IN MATHEMATICS IN ELEMENTARY/MIDDLE SCHOOLS    |
| EDCI 636 | IMPROVEMENT OF INSTRUCTION IN SOCIAL STUDIES IN ELEMENTARY/MIDDLE SCHOOLS |
| EDCI 637 | IMPROVEMENT OF INSTRUCTION IN LANGUAGE ARTS IN ELEMENTARY/MIDDLE SCHOOLS  |

**Field of Concentration**

Select 15 credit hours in any of the following concentration areas: 15

|                        |
|------------------------|
| Educational Technology |
| Language Arts          |
| Mathematics            |
| Physical Education     |
| Science                |
| Social Science         |

**Total Credits** 36

<sup>2</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS should be completed within the first 12 credits of a student's program of study.

## Master of Education - Curriculum and Instruction - Secondary

A student whose goal is to teach Dual Credit courses at the high school level must complete 18 hours of graduate course work in the desired subject area. Conversely, broad field content options will not lead to Dual Credit certification. Speak with your advisor if that is your purpose in seeking this degree.

**Note: This degree program does not lead to an endorsement or additional certification in any of the Secondary Content Subject Areas.** This option is designed for middle school educators or for secondary educators who desire to expand their breadth of knowledge in a particular content subject area at the 5-12 level.

### Courses

Listed below is the course work required by the Program:

| Code                      | Title  | Credits |
|---------------------------|--|---------|
| <b>Basic Core Courses</b> |  |         |
| EDCI 631                  | RESEARCH DESIGN AND DATA ANALYSIS <sup>3</sup>           | 3       |
| EDCI 633                  | EDUCATIONAL PHILOSOPHY                                   | 3       |
| EDCI 635                  | CURRICULUM DEVELOPMENT                                   | 3       |
| EDCI 638                  | SCHOOL LAW   | 3       |
| EDUC 639                  | ADVANCED METHODS OF PERFORMANCE ASSESSMENT               | 3       |
| READ 532                  | READING IN THE CONTENT FIELDS                            | 3       |
| SPED 630                  | CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES | 3       |

**Content Area Courses**

Select with advisors approval 15 credit hours from the following areas of specialization: 15

|                                |
|--------------------------------|
| Business Education             |
| Career and Technical Education |
| Mathematics                    |
| Physical Education             |

|  |
|--|
| Science  |
| Social Science   |
| Special Education (Additional credit hours required - See section below) |

**Total Credits** 36

<sup>3</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 credits of a student's program of study.

## Master of Education - Curriculum and Instruction – Special Education-Early Childhood Special Education (Birth – Kindergarten)

This program does lead to an added endorsement in Special Education-Early Childhood Special Education (Birth through Kindergarten). It requires that the candidate hold, or has held, a certificate with a teaching endorsement. The Praxis II test is required for graduation. Students seeking certification of this endorsement in Nebraska must reach the state minimum cut score required for Nebraska Licensure.

### Courses

Listed below is the course work required by the Program:

| Code                       | Title  | Credits   |
|----------------------------|--|-----------|
| <b>Basic Core Courses</b>  |  |           |
| EDCI 631                   | RESEARCH DESIGN AND DATA ANALYSIS <sup>4</sup>           | 3         |
| EDCI 635                   | CURRICULUM DEVELOPMENT                                   | 3         |
| EDCI 633                   | EDUCATIONAL PHILOSOPHY                                   | 3         |
| EDCI 638                   | SCHOOL LAW   | 3         |
| <b>Endorsement Courses</b> |  |           |
| COUN 637                   | ADVANCED HUMAN DEVELOPMENT                               | 3         |
| FCS 520                    | LOSS ACROSS THE LIFESPAN                                 | 3         |
| FCS 532                    | PLAY BASED LEARNING IN EARLY CHILDHOOD                   | 3         |
| FCS 537                    | FAMILY STRENGTHS   | 3         |
| FCS 540                    | SPECIAL TOPICS IN FAMILY AND CONSUMER SCIENCES           | 3         |
| FCS 690                    | INTERNSHIP   | 3         |
| SPED 538                   | CONSULTION/COLLABORATION                                 | 3         |
| SPED 539                   | LANGUAGE AND LEARNING DISORDERS                          | 3         |
| SPED 630                   | CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES | 3         |
| SPED 640                   | ASSESSMENT AND DIAGNOSIS OF YOUNG CHILDREN               | 3         |
| <b>Total Credits</b>       |  | <b>42</b> |

<sup>4</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 credits of a student's program of study.

Title 92, Chapter 24: 006.59D2. This program shall provide applicants with supervised practicum/clinical experiences. The experience shall consist of a minimum of 250 clock hours with individuals with behavioral disorders. The 250 clock hours may be included in the 30 graduate semester hours requirement.

Praxis II exam in your content area is required for graduation. Students seeking certification of this endorsement in Nebraska must reach the state minimum cut score required for Nebraska Licensure.

## Master of Education - Curriculum and Instruction – Reading Specialist (Grades PK-12)

This program does lead to an added endorsement in Reading Specialist. Two years of successful teaching experience is a prerequisite for certification. The Praxis II test for Reading Specialist is required for graduation. Students seeking certification of this endorsement in Nebraska must reach the minimum state cut score required for Nebraska Licensure.

### Courses

Listed below is the course work required by the Program:

| Code                               | Title  | Credits   |
|------------------------------------|--|-----------|
| <b>Basic Core Courses</b>          |  |           |
| EDCI 631                           | RESEARCH DESIGN AND DATA ANALYSIS <sup>5</sup>                           | 3         |
| EDCI 635                           | CURRICULUM DEVELOPMENT   | 3         |
| EDCI 638                           | SCHOOL LAW   | 3         |
| SPED 630                           | CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES                 | 3         |
| <b>Reading Endorsement Courses</b> |  |           |
| READ 531                           | IMPROVEMENT OF INSTRUCTION IN READING                                    | 3         |
| READ 532                           | READING IN THE CONTENT FIELDS  | 3         |
| READ 533                           | PHILOSOPHIES, APPROACHES, AND TECHNIQUES FOR TEACHING READING            | 3         |
| READ 535                           | READING AND THE AT-RISK STUDENT  | 3         |
| READ 634                           | LINGUISTIC FOUNDATIONS OF READING INSTRUCTION                            | 3         |
| READ 635                           | DIAGNOSIS AND CORRECTION   | 3         |
| READ 636                           | PRACTICUM IN READING   | 3         |
| READ 638                           | SEMINAR IN READING: ISSUES, TRENDS AND PROGRAMS                          | 3         |
| <b>Electives</b>                   |  |           |
| Select one of the following:       |  | 3         |
| READ 530                           | READING AND WRITING IN THE MIDDLE/ SECONDARY SCHOOLS                     |           |
| EDCI 637                           | IMPROVEMENT OF INSTRUCTION IN LANGUAGE ARTS IN ELEMENTARY/MIDDLE SCHOOLS |           |
| ENG 538                            | ADOLESCENT LITERATURE  |           |
| <b>Total Credits</b>               |  | <b>39</b> |

<sup>5</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 credits of a student's program of study.

## Master of Education - Curriculum and Instruction – Special Education (Grades K-12)

Students may opt to complete the first 39 credits to earn a master's degree with an emphasis in special education. However, to also earn the endorsement for Special Education Generalist (SPED), twelve additional

credits from the list below must be completed. This program leads to an added endorsement in Special Education Generalist (grades K-12). It requires that the candidate holds, or has held, a certificate with a teaching endorsement. The Praxis II test for Special Education is required for graduation. Students seeking certification of this endorsement in Nebraska must reach the minimum state cut score required for Nebraska Licensure.

### Courses

Listed below is the course work required by the Program:

| Code  | Title   | Credits   |
|---|---|-----------|
| <b>Basic Core Courses</b>                       |   |           |
| EDCI 631  | RESEARCH DESIGN AND DATA ANALYSIS <sup>6</sup>  | 3         |
| EDCI 633  | EDUCATIONAL PHILOSOPHY  | 3         |
| EDCI 635  | CURRICULUM DEVELOPMENT  | 3         |
| EDCI 638  | SCHOOL LAW  | 3         |
| READ 635  | DIAGNOSIS AND CORRECTION  | 3         |
| <b>SPED Courses</b>                             |   |           |
| COUN 637  | ADVANCED HUMAN DEVELOPMENT  | 3         |
| SPED 516  | CLINICAL EXPERIENCE IN APPRAISAL OF EXCEPTIONAL CHILDREN                                | 3         |
| SPED 531  | PROGRAM DEVELOPMENT, IMPLEMENTATION, AND MANAGEMENT                                     | 3         |
| SPED 535  | ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES                                   | 3         |
| SPED 536  | ELEMENTARY/MIDDLE SCHOOL/SECONDARY METHODS AND MATERIALS FOR MILD/MODERATE DISABILITIES | 3         |
| SPED 538  | CONSULTION/COLLABORATION  | 3         |
| SPED 539  | LANGUAGE AND LEARNING DISORDERS   | 3         |
| SPED 630  | CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES                                | 3         |
| <b>SPED Courses to Complete the Endorsement</b> |   |           |
| SPED 555  | CHARACTERISTICS OF LEARNING DISABILITIES  | 3         |
| Select three of the following:                  |   | 9         |
| SPED 532  | SURVEY OF SPECIAL EDUCATION   |           |
| READ 535  | READING AND THE AT-RISK STUDENT   |           |
| CTE 531   | INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CAREER AND TECHNICAL EDUCATION                |           |
| HPER 522  | INTRODUCTION TO ADAPTED PHYSICAL EDUCATION  |           |
| <b>Total Credits</b>                            |   | <b>51</b> |

<sup>6</sup> EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 credits of a student's program of study.

The Praxis II test for Special Education is required for graduation. Students seeking certification of this endorsement in Nebraska must reach the state minimum cut score required for Nebraska Licensure.

## Master of Science in Athletic Training Mission

The mission of the Master of Science in Athletic Training Program is to prepare students to become competent and independent clinicians

who will enhance the quality of patient health care and to advance the profession of athletic training. The program teaches and provides practical experiences to enable graduates to assume leadership roles both within the field of athletic training, and within the community.

## Student Learning Outcomes

The Master of Science in Athletic Training program (MSAT) is intended to prepare graduates to critically analyze and convey information to patients, colleagues and other health professionals. These clinicians will be able to provide a broad range of patient care services and perform research and administrative responsibilities. This is accomplished through students and faculty building collaborations, participating in professional organizations in athletic training, and administering athletic training services.

Students develop the knowledge and skills needed to perform as athletic training clinicians and to grow and adapt to the rapid changes in the profession and health care.

Students must complete the curriculum below for the Masters of Science in Athletic Training. Upon program completion, students will be thoroughly prepared for the Board of Certification Examination (BOC) and to enter the profession as athletic training clinicians. Additionally, the curriculum prepares students for the Strength and Conditioning Specialist (CSCS) examination.

| Code   | Title   | Credits |
|--------|---|---------|
| AT 501 | CLINICAL EDUCATION I  | 1       |
| AT 502 | CLINICAL EDUCATION II   | 2       |
| AT 503 | CLINICAL EDUCATION III  | 2       |
| AT 504 | CLINICAL EDUCATION IV   | 2       |
| AT 523 | FUNCTIONAL ANATOMY AND PHYSIOLOGY   | 2       |
| AT 527 | LOWER EXTREMITY EXAMINATION, TREATMENT AND REHABILITATION   | 4       |
| AT 528 | UPPER EXTREMITY EXAMINATION TREATMENT AND REHABILITATION  | 4       |
| AT 529 | ORGANIZATION, ADMINISTRATION AND LEADERSHIP IN HEALTH CARE AND ATHLETIC TRAINING                    | 3       |
| AT 536 | HUMAN MOVEMENT, GAIT AND POSTURAL ASSESSMENT  | 3       |
| AT 539 | ADVANCED EMERGENCY MEDICAL TECHNIQUES   | 2       |
| AT 540 | THERAPEUTIC MODALITIES AND MANUAL THERAPIES   | 4       |
| AT 545 | EVIDENCE BASED PRACTICE   | 2       |
| AT 605 | CLINICAL EDUCATION V  | 2       |
| AT 606 | CLINICAL IMMERSION IN ATHLETIC TRAINING   | 3       |
| AT 610 | GENERAL MEDICAL CONDITIONS  | 2       |
| AT 611 | PHARMACOLOGY  | 3       |
| AT 615 | RESEARCH PROCESS AND PRACTICE   | 2       |
| AT 629 | HEAD NECK AND SPINE EXAMINATION TREATMENT AND REHABILITATION  | 4       |
| AT 630 | SEM IN ATHLETIC TRAINING: EMERGING PRACTICES, INTERPROFESSIONAL COLLABORATION AND RURAL HEALTH CARE | 3       |
| AT 691 | ATHLETIC TRAINING CAPSTONE I  | 3       |

# Master of Science in Organizational Management

## Mission

The Master of Science in Organizational Management degree is designed to serve the needs of the CSC 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 CSC, but also from Wayne State College and Peru State College.

## Student Learning Outcomes

Students graduating with the MS in Organizational Management will be able to:

1. Compare and contrast research types and state their relationship to results and outcome.
2. Synthesize a research design scenario.
3. Describe a successful application of the functions of management/ leadership.
4. Differentiate between the characteristics of a successful and unsuccessful leader/manager.
5. Explain the relationship between organizational structure and appropriateness of leadership style.
6. Analyze the leadership/management styles needed to maximize organizational performance in different situations.
7. Apply knowledge of leadership theory and practice in a research/ statistics activity.
8. Integrate management and leadership knowledge and skills into focus area.
9. Synthesize knowledge of organizational management into focus area.

## Application for Admission

Following are criteria for acceptance into Graduate Study in the MS program:

1. Application for admission to graduate study must be completed online on the CSC website.
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 MS degree programs at CSC.
3. Students must submit to Admissions an official transcript from the college or university which issued the bachelor's degree and from any institutions attended afterwards, if applicable. (In order to be considered an official transcript, it must be sent directly to CSC from the college or university.) Transcripts from CSC need not be submitted.
4. 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 Dean of Graduate Studies may require students to make up any deficiency in preparation by completing specified courses without credit toward the desired degree.

Acceptance to Graduate Study, Plan of Study Filing, and Applications for Graduation and Oral Examination 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 course credits of graduate coursework after being accepted for graduate study.

## Courses

Listed below is the course work required by the Program:

CA 615 Research Process and Practice OR EDCI Research Design and Data Analysis should be completed within the first 12 hours of a student's program of study.

### Research Design and Methods Courses

| Code                         | Title                                 | Credits  |
|------------------------------|---------------------------------------|----------|
| Select two of the following: |                                       |          |
| CA 615                       | RESEARCH PROCESS AND PRACTICE         | 3        |
| or EDCI 631                  | RESEARCH DESIGN AND DATA ANALYSIS     |          |
| MATH 533                     | STATISTICAL METHODS AND DATA ANALYSIS | 3        |
| or PSYC 538                  | BEHAVIORAL STATISTICS                 |          |
| <b>Total Credits</b>         |                                       | <b>6</b> |

### Organizational Management and Leadership Courses

Students are encouraged to work in cooperation with their advisor to identify the classes which will best complement their degree goals.

Note: A minimum of 18 of the total 36 credit hours must be from 600 level courses.

| Code                          | Title   | Credits   |
|-------------------------------|---|-----------|
| Select four of the following: |   |           |
| CTE 632                       | ORGANIZATIONAL LEADERSHIP                     |           |
| CA 610                        | THEORIES OF CONFLICT RESOLUTION AND MEDIATION |           |
| CA 630                        | ORGANIZATIONAL COMMUNICATION                  |           |
| MGMT 610                      | HUMAN CAPITAL MANAGEMENT                      |           |
| MGMT 620                      | HIGH PERFORMANCE LEADERSHIP                   |           |
| MGMT 630                      | ORGANIZATIONAL BEHAVIOR                       |           |
| MGMT 639                      | LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS      |           |
| MATH 631                      | MATHEMATICS FOR MANAGEMENT                    |           |
| PSYC 541                      | ADVANCED ORGANIZATIONAL PSYCHOLOGY            |           |
| <b>Total Credits</b>          |   | <b>12</b> |

### Thesis, Scholarly Project, Internship

Complete a minimum of 18 credits of program prior to enrollment

| Code                                   | Title                                    | Credits  |
|--|--|----------|
| Select six credits from the following: |  |          |
|  | Internship                               |          |
|  | Scholarly Project (3) and Internship (3) |          |
|  | Thesis                                   |          |
| <b>Total Credits</b>                   |  | <b>6</b> |

## Program Focus Areas

### Human Services

Students are encouraged to work in cooperation with their advisor to identify the classes which will best complement their degree goals.

| Code   | Title  | Credits   |
|--|--|-----------|
| Research Design and Methods Courses  |  |           |
|  |  | 6         |
| Organizational Management and Leadership Courses   |  |           |
|  |  | 12        |
| Select one of the following NOT already taken in Organizational Management and Leadership area (may also use these courses in Human Services elective area): |  |           |
| BIS 632  | INFORMATION SYSTEMS FOR MANAGERS   |           |
| CTE 552  | PROGRAM DEVELOPMENTS, IMPLEMENTATION AND ASSESSMENT                      |           |
| CA 610   | THEORIES OF CONFLICT RESOLUTION AND MEDIATION                            |           |
| MATH 631   | MATHEMATICS FOR MANAGEMENT   |           |
| MKTG 630   | MARKETING MANAGEMENT   |           |
| Electives: In consultation with advisor, select an additional nine (9) credits which complement the desired learning outcome of the student.                 |  |           |
|  |  | 9         |
| ACTG 632   | MANAGERIAL ACCOUNTING  |           |
| ACTG 638   | FINANCIAL STATEMENT ANALYSIS   |           |
| CTE 531  | INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CAREER AND TECHNICAL EDUCATION |           |
| CA 520   | RELATIONAL AND FAMILY COMMUNICATION                                      |           |
| CA 540   | GENDER AND COMMUNICATION   |           |
| CA 560   | HEALTH COMMUNICATION   |           |
| CA 620   | MEDIA RELATIONS AND LEADERSHIP   |           |
| CA 635   | CROSS CULTURAL COMMUNICATION   |           |
| EDAD 631   | PUBLIC RELATIONS   |           |
| FCS 517  | LIFESPAN WELLNESS  |           |
| FCS 520  | LOSS ACROSS THE LIFESPAN   |           |
| FCS 527  | WORKSITE WELLNESS  |           |
| FCS 534  | ISSUES IN HEALTH AND HUMAN SERVICES                                      |           |
| FCS 537  | FAMILY STRENGTHS   |           |
| FCS 547  | ADVANCED NUTRITION FOR SPORT AND WELLNESS                                |           |
| FCS 557  | NUTRITION FOR COMMUNITY WELLNESS   |           |
| FCS 567  | EPIDEMIOLOGY AND GLOBAL HEALTH   |           |
| FIN 632  | FINANCE FOR MANAGERS   |           |
| MGMT 560   | TOPICS IN MANAGEMENT   |           |
| MGMT 625   | BUSINESS ANALYTICS FOR MANAGERS  |           |
| MGMT 640   | US HEALTHCARE SYSTEM   |           |
| MGMT 641   | HEALTH LAW AND ETHICS  |           |
| MGMT 642   | HEALTHCARE MANAGEMENT  |           |
| MKTG 560   | TOPICS IN MARKETING/ENTREPRENEURSHIP                                     |           |
| MKTG 625   | DIGITAL MEDIA ANALYTICS  |           |
| MKTG 634   | MOBILE MEDIA MARKETING   |           |
| MKTG 643   | SOCIAL MEDIA STRATEGY  |           |
| Internship, Scholarly Project, Thesis  |  |           |
|  |  | 6         |
| <b>Total Credits</b>   |  | <b>36</b> |

### Natural Resources

Students are encouraged to work in cooperation with their advisor to identify the classes which will best complement their degree goals.

| Code     | Title  | Credits   |
|----------|--|-----------|
|          | Research Design and Methods Courses  | 6         |
|          | Organizational Management and Leadership Courses   | 12        |
|          | Select one of the following NOT already taken in Organizational Management and Leadership area:  | 3         |
| BIS 632  | INFORMATION SYSTEMS FOR MANAGERS   |           |
| CTE 552  | PROGRAM DEVELOPMENTS, IMPLEMENTATION AND ASSESSMENT  |           |
| CA 610   | THEORIES OF CONFLICT RESOLUTION AND MEDIATION  |           |
| MATH 631 | MATHEMATICS FOR MANAGEMENT   |           |
| MKTG 630 | MARKETING MANAGEMENT   |           |
|          | <b>Electives: For the partially online program in consultation with advisor, select an additional nine (9) credits which complement the desired learning outcome of the student. OR * Electives: For the fully online program complete three of the following elective courses (nine (9) credit hours): BIOL 658, GEOS 531, GEOS 534 or GEOS 622</b> | 9         |
|          | Thesis, Scholarly Project, Internship  | 6         |
|          | <b>Total Credits</b>   | <b>36</b> |

### Sports Management

| Code     | Title  | Credits   |
|----------|--|-----------|
|          | Research Design and Methods Courses  | 6         |
|          | Organizational Management and Leadership Courses   | 12        |
| HPER 637 | SPORTS MANAGEMENT  | 3         |
|          | Electives: In consultation with advisor, select an additional nine (9) credits which complement the desired learning outcome of the student. | 9         |
| FCS 517  | LIFESPAN WELLNESS  |           |
| FCS 527  | WORKSITE WELLNESS  |           |
| FCS 534  | ISSUES IN HEALTH AND HUMAN SERVICES  |           |
| FCS 547  | ADVANCED NUTRITION FOR SPORT AND WELLNESS  |           |
| HPER 528 | ADVANCED COACHING PHILOSOPHY   |           |
| HPER 530 | SEMINAR IN HPER  |           |
| HPER 536 | NCAA RULES   |           |
| HPER 537 | SPORT LAW  |           |
|          | Internship, Thesis, Scholarly Project,   | 6         |
|          | <b>Total Credits</b>   | <b>36</b> |



# COURSE DESCRIPTIONS

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## Accounting (ACTG)

### ACTG 533 GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING<sup>3</sup> Credits

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.

**Dual-listed:** ACTG 433

### ACTG 537 ADVANCED COST MANAGEMENT ACCOUNTING<sup>3</sup> Credits

Advanced cost accounting and managerial accounting concepts and procedures are applied to the management decision making process.

**Dual-listed:** ACTG 437

**Notes:** Topics include: capital investment decisions, budgeting, standard costing, and transfer pricing.

### ACTG 543 ADVANCED FINANCIAL ACCOUNTING<sup>3</sup> Credits

Accounting theory and problems dealing with corporate combinations and consolidations and other specialized financial accounting topics.

**Dual-listed:** ACTG 443

### ACTG 560 TOPICS IN ACCOUNTING<sup>1-3</sup> Credits

Topics or seminars will be selected as needed, to keep students abreast of contemporary issues in accounting.

### ACTG 600 INDEPENDENT STUDY OR RESEARCH<sup>1-3</sup> Credits

Study or research in an area of special interest.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

### ACTG 632 MANAGERIAL ACCOUNTING<sup>3</sup> Credits

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.

### ACTG 638 FINANCIAL STATEMENT ANALYSIS<sup>3</sup> Credits

An introduction to financial statement analysis with an emphasis to investigate and evaluate past and current performance and risk of a business from the perspectives of stakeholders like creditors, investors and management.

# Agriculture (AGRI)

## AGRI 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits

For students seeking an individual problem in agriculture.

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

## AGRI 511 CONSERVATION BIOLOGY3 Credits

This course will provide a broad overview of the field of conservation biology including fundamental biological and ecological principles, patterns and threats to biodiversity, causes of population declines and extinction, techniques used in conservation biology, and conservation economics and policy.

**Dual-listed:** AGRI 411

## AGRI 520 RANGE SHORT COURSE2 Credits

An intensive summer workshop covering all contemporary areas of range management.

**Requirements:** Additional fees.

## AGRI 526 WILDLIFE RESEARCH AND MANAGEMENT3 Credits

Field and laboratory techniques for studying, evaluating, and managing wildlife and their habitats are described and demonstrated. Field trips required.

**Prerequisites:** AGRI 235

**Dual-listed:** AGRI 426

## AGRI 527 ANIMAL ANATOMY AND PHYSIOLOGY3 Credits

Principles of physiology as related to gross anatomy, disease, and management practices of mammals.

**Prerequisites:** AGRI 132 and BIOL 225

**Co-requisites:** AGRI 527L

**Notes:** Recommended for pre-veterinary students.

## AGRI 527L ANIMAL ANATOMY AND PHYSIOLOGY LABORATORY1 Credit

Lab experience.

**Co-requisites:** AGRI 527

**Notes:** Recommended for pre-veterinary students.

## AGRI 528 HABITAT INVENTORY ANALYSIS1 Credit

Rangeland and monitoring inventory techniques and vegetation sampling methods related to rangeland vegetation condition and degree of use.

**Prerequisites:** AGRI 242 and AGRI 339

**Co-requisites:** AGRI 528L

**Dual-listed:** AGRI 428

## AGRI 528L HABITAT INVENTORY ANALYSIS LABORATORY2 Credits

Field lab experience.

**Co-requisites:** AGRI 528

## AGRI 535 WILDLIFE MANAGEMENT PRACTICUM3 Credits

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.

**Dual-listed:** AGRI 435

## AGRI 536 RANGELAND AND FIRE ECOLOGY3 Credits

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 resources use. The role of fire in rangeland ecosystems, the characteristics of fire, and use of fire in maintaining native ecosystems will be explored. Field trips may be required.

**Prerequisites:** AGRI 242

**Dual-listed:** AGRI 436

## AGRI 538A LAND RESOURCE MANAGEMENT PLANNING I1 Credit

Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands.

**Prerequisites:** AGRI 141, AGRI 242, AGRI 245, AGRI 334, AGRI 339, and AGRI 350

**Co-requisites:** 538B

## AGRI 538B LAND RESOURCE MANAGEMENT PLANNING II2 Credits

Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands.

**Prerequisites:** AGRI 141, AGRI 242, AGRI 245, AGRI 334, AGRI 339, and AGRI 350

**Co-requisites:** 538A

## AGRI 538C LAND RESOURCE MANAGEMENT PLANNING III3 Credits

Inventory of soils, vegetation, water, wildlife, timber, mineral, recreation, and cropland resources of a selected farm/ranch operation or conservation area and development of a detailed management plan. Techniques of management of private and public lands.

**Prerequisites:** AGRI 141, AGRI 242, AGRI 245, AGRI 334, AGRI 339, and AGRI 350

**Requirements:** Students must achieve a total of 3 hours credit in the Land Resource Management Planning area.

## AGRI 544 GRASS SYSTEMATICS3 Credits

The main focus of the course is on identification of members of the Poaceae, or grass family. Construction and use of taxonomic keys will be central to the class. Students will work through grasses provided to identify them down to species. Upon completion of the class the students will be able to recognize common tribal and genera characteristics, and be able to key out unknown grasses.

**Dual-listed:** AGRI 444

## AGRI 545 MAMMALOLOGY2 Credits

Systematic, life history, physiology, and behavior of mammals. Field trips may be required.

**Cross-Listed:** AGRI545/BIOL535

**Prerequisites:** Lower level biology course

**Dual-listed:** AGRI 445

## AGRI 545L MAMMALOLOGY LABORATORY1 Credit

Laboratory experience.

**Cross-Listed:** AGRI545L/BIOL535L

**Co-requisites:** AGRI 545

## AGRI 547 ANIMAL BREEDING AND GENETICS3 Credits

Range livestock animal breeding principles including heritabilities, correlations, mating systems, and the use of modern day genetic selection tools including expected progeny differences, indexes, and DNA applications. Course will include discussion of practical application of current genetic selection tools and principles.

**Prerequisites:** AGRI 132 or consent from the instructor

**AGRI 551 HUMAN DIMENSIONS OF WILDLIFE MANAGEMENT** 3 Credits

Overviews the historic and current public viewpoints of wildlife and wildlife/human conflicts. Examines the policies which affect wildlife research and management and the impacts public opinion has on policy formation. Identifies the various stakeholders involved in natural resource management and policy, and incorporates the idea that wildlife management is people management.

**AGRI 560 TOPICS IN AGRICULTURE** 3 Credits

Meets the needs of changing conditions in agriculture.

**Notes:** Topics may change from semester to semester; this course may be repeated for up to six (6) credit hours.

**AGRI 600 INDEPENDENT STUDY OR RESEARCH** 1-3 Credits

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**AGRI 623 MANAGERIAL AGRICULTURAL POLICY** 3 Credits

An applicative and analytical examination of USDA agricultural, fiber, conservational, and rural economic policies. Analyses of applications of concepts to international trade, rural government and law, the structure of rural economic development, agribusiness financing, and tangential areas common of agribusiness in international and domestic markets.

**AGRI 630 TOPICS IN AGRICULTURE/RANGE MANAGEMENT WILDLIFE** 1-3 Credits

Designed to meet special needs of individual students or groups, and is offered when demand can be demonstrated.

**AGRI 655 SCHOLARLY PROJECT** 1-3 Credits

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with student's graduate committee and includes an extensive paper summarizing the project.

**Requirements:** Must complete three (3) credit hours.

**AGRI 660 THESIS RESEARCH** 1-6 Credits

For students selecting Plan I, as listed under Program Requirements. Original investigations in science, leading to the master's thesis.

**Requirements:** Must complete six (6) course credits; prior to registration, proposal must be approved by the student's committee and Dean of Graduate Studies.

**AGRI 690 INTERNSHIP IN AGRICULTURE/RANGE MANAGEMENT/WILDLIFE** 1-6 Credits

Provides practical work experience in an agency or organization related to agriculture, rangeland management, natural resources, or wildlife management.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Internship and Career and Academic Planning Services office to secure application materials; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the work hours required; application should be made prior to the semester in which the internship will be started.

**Requirements:** Students must first complete a minimum of 18 credit hours in their degree program.

## Anthropology (ANTH)

**ANTH 530 TOPICS IN ANTHROPOLOGY** 1-3 Credits

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. Field research is possible.

**Notes:** Student may enroll in the course for a maximum of nine (9) credit hours.

**ANTH 535 NORTHERN PLAINS INDIAN CULTURES** 3 Credits

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.

**Dual-listed:** ANTH 435

**ANTH 655 SCHOLARLY PROJECT** 1-3 Credits

For students selecting Plan II, as listed under Program Requirements. Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes a paper summarizing the project.

**Requirements:** Must complete three (3) credit hours.

## Art (ART)

**ART 500 INDEPENDENT STUDY** 1-3 Credits

Open to students who wish to research some aspect of art or art education, through directed readings and independent investigation.

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a different topic.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President; discussion with department and written evidence of the ability to do independent research.

**ART 510 SEMINAR IN ART** 1-3 Credits

Designed to meet the special needs of a group of students, analogous to the way in which Independent Study or Research is designed.

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a different topic.

**Requirements:** Permission of Art faculty.

**ART 530 GRADUATE ART STUDIO** 3 Credits

Open to graduate 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.

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a different area/medium up to 3 times.

**Requirements:** Departmental approval and permission of Art Faculty must be received before registering.

**ART 541 TOPICS IN ART HISTORY** 3 Credits

Graduate-level study of art history topics and problems.

**Notes:** May be repeated with a different topic.

**ART 655 SCHOLARLY PROJECT** 3 Credits

For students selecting Plan II, as listed under Program Requirements. Project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes a paper summarizing the project.

**Requirements:** Must complete three (3) course credits.

## Athletic Training (AT)

### AT 501 CLINICAL EDUCATION I1 Credit

Integration of educational competencies and clinical proficiencies with classroom instruction and supervised field-based experience.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 502 CLINICAL EDUCATION II2 Credits

Integration of educational competencies and clinical proficiencies with classroom instruction and supervised field-based experience.

**Prerequisites:** AT 501

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 503 CLINICAL EDUCATION III2 Credits

Integration of educational competencies and clinical proficiencies with classroom instruction and supervised field-based experience.

**Prerequisites:** AT 502

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 504 CLINICAL EDUCATION IV2 Credits

Integration of educational competencies and clinical proficiencies with classroom instruction and supervised field-based experience.

**Prerequisites:** AT 503

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 523 FUNCTIONAL ANATOMY AND PHYSIOLOGY2 Credits

Athletic Training students will study the gross and functional anatomical and physiological principles of athletic injury with practical application to motor performance.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 524 FOUNDATION OF ATHLETIC TRAINING II2 Credits

To provide the Athletic Training student with the knowledge necessary to help sustain life, reduce pain, and minimize the consequences of sudden injury or illnesses.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 527 LOWER EXTREMITY EXAMINATION, TREATMENT AND REHABILITATION4 Credits

A systematic examination of the fundamental principles and concepts of athletic training as it relates to the prevention, evaluation, diagnosis, treatment and rehabilitation of lower extremity injuries.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 528 UPPER EXTREMITY EXAMINATION TREATMENT AND REHABILITATION4 Credits

A systematic examination of the fundamental principles and concepts of athletic training as it relates to the prevention, evaluation, diagnosis, treatment and rehabilitation of upper extremity injuries.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 529 ORGANIZATION, ADMINISTRATION AND LEADERSHIP IN HEALTH CARE AND ATHLETIC TRAINING3 Credits

A course designed to provide the athletic training student with competencies needed to plan, coordinate and supervise administrative components of an athletic training organization including those pertaining to health care, financial, personnel and facilities management, and public relations.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 536 HUMAN MOVEMENT, GAIT AND POSTURAL ASSESSMENT3 Credits

This course will provide students with various methods of assessing the biomechanical quality of human movement, gait, and posture for prevention, diagnosis, treatment and rehabilitation of injury.

### AT 539 ADVANCED EMERGENCY MEDICAL TECHNIQUES2 Credits

To provide the Athletic Training student with the knowledge and skills necessary to respond and act appropriately in emergency medical situations.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 540 THERAPEUTIC MODALITIES AND MANUAL THERAPIES4 Credits

Investigate and analyze indications, contraindications and biophysics of agents that aid in the healing of athletic injuries and the reduction of pain utilizing appropriate therapeutic modalities, basic therapeutic exercise and rehabilitative techniques.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 541 THERAPEUTIC EXERCISE2 Credits

Introduction to the principles of rehabilitation of sport injuries, including range of motion, pain control, balance, proprioception, strengthening, and endurance. The development of therapeutic goals and objectives. exercise gradation and methods of evaluating rehabilitation progress will be stressed.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 545 EVIDENCE BASED PRACTICE2 Credits

This course is designed to teach the concept and practice of evidence-based practice (EBP), empowering clinicians to competently and efficiently conduct evaluations of existing literature to improve patient outcomes in the clinical setting.

### AT 547 ADVANCED NUTRITION FOR SPORT AND WELLNESS3 Credits

The course examines nutritional needs across the life span, focusing on the basic nutrients and their food sources, and nutrient utilization in the human body. There will be a study of the association between nutrition and exercise performance, nutrition assessment of athletes, how to measure body composition, and the use of and controversy over ergogenic aids are explored.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

### AT 605 CLINICAL EDUCATION V2 Credits

Integration of educational competencies and clinical proficiencies with classroom instruction and supervised field-based experience.

**Prerequisites:** AT 504

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

**AT 606 CLINICAL IMMERSION IN ATHLETIC TRAINING<sup>3</sup> Credits**

Integration of educational competencies and clinical proficiencies with classroom instruction and supervised field-based experience.

**Prerequisites:** AT 605

**Requirements:** Formal Acceptance for progression into the Master's Degree in Athletic Training

**AT 610 GENERAL MEDICAL CONDITIONS<sup>2</sup> Credits**

Focuses in the identification and treatment of medical conditions of the nervous, urinary, endocrine, reproductive, respiratory, gastrointestinal, cardiovascular, integumentary system. Emphasis placed on the role the Athletic Trainer has in the prevention, evaluation, diagnosis, treatment and rehabilitation of associated conditions as directed by a supervising physician.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

**AT 611 PHARMACOLOGY<sup>3</sup> Credits**

Introduces principles of drug therapy across the lifespan and the use of drugs as they pertain to the health care of athletes and their effect on athletic competition. An emphasis on the knowledge, skills and values required of the Athletic Trainer on pharmacological application, including indications, contraindications, precaution, interactions, documentation and governing regulations relevant to the treatment of injury and illness in athletic training.

**Requirements:** Formal acceptance for the progression into the Master's Degree in Athletic Training

**AT 615 RESEARCH PROCESS AND PRACTICE<sup>2</sup> Credits**

Athletic Training Students develop the skills necessary to critically review and use evidence in the field of Athletic Training. This course will introduce research topics and the data collection and application of statistical methods used in Athletic Training and related research.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

**AT 629 HEAD NECK AND SPINE EXAMINATION TREATMENT AND REHABILITATION<sup>4</sup> Credits**

A systematic examination of the fundamental principles and concepts of athletic training as it relates to the prevention, evaluation, diagnosis, treatment and rehabilitation of the head, neck and spine.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

**AT 630 SEM IN ATHLETIC TRAINING: EMERGING PRACTICES, INTERPROFESSIONAL COLLABORATION AND RURAL HEALTH CARE<sup>3</sup> Credits**

This course is designed to instruct students regarding contemporary concepts evolving in the field of athletic training. Students will receive instruction regarding new and innovating emerging practices in medicine, learn how to collaborate inter-professional with other medical providers and to understand the nuances and challenges of providing health care in rural environments.

**AT 634 PRINCIPLES OF STRENGTH AND CONDITIONING<sup>3</sup> Credits**

Instruction in basic physiological adaptations to strength and speed development, exercise prescription and testing, and facility design and safety.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

**AT 690 INTERNSHIP<sup>3</sup> Credits**

Provides a practical field-based experience incorporating educational competencies and clinical proficiencies gained throughout the athletic training program.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

**AT 691 ATHLETIC TRAINING CAPSTONE I<sup>3</sup> Credits**

A capstone course designed for research discussion of critical questions and contemporary issues and problems in athletic training/sports medicine. Athletic Training Students will prepare for the Board Certification Exam.

**Requirements:** Formal acceptance for progression into the Master's Degree in Athletic Training

**AT 692 ATHLETIC TRAINING CAPSTONE II<sup>3</sup> Credits**

A capstone course designed for research discussion of critical questions and contemporary issues and problems in athletic training/sport medicine. Athletic training Students will prepare for the Board of Certification Exam.

**Prerequisites:** AT 691

**Requirements:** Formal acceptance for the progression into the Master's Degree in Athletic Training

## Biology (BIOL)

**BIOL 500 INDEPENDENT STUDY OR RESEARCH<sup>1-3</sup> Credits**

Designed to permit individual students to participate in a progressively more complex series of investigations and independent studies in biology at the graduate level.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**BIOL 501 ORNITHOLOGY<sup>2</sup> Credits**

Biology of birds, including their classification, anatomy, physiology, life history, behavior, ecology, and identification with emphasis on local species.

**Co-requisites:** BIOL 501L

**Dual-listed:** BIOL 401

**BIOL 501L ORNITHOLOGY LABORATORY<sup>1</sup> Credit**

Laboratory and field experience in anatomy, behavior, and identification of birds.

**Co-requisites:** BIOL 501

**BIOL 527 BIOLOGY OF POPULATIONS<sup>3</sup> Credits**

Population ecology and the genetic processes of adaptation and evolution. Lecture and class discussions of current and historical literature, plus application of concepts in a literature review paper.

**Prerequisites:** BIOL 332, BIOL 336, and BIOL 336L

**Dual-listed:** BIOL 427

**BIOL 529 AQUATIC MICROBIOLOGY<sup>3</sup> Credits**

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.

**Prerequisites:** BIOL 241 and BIOL 241L

**Dual-listed:** BIOL 429

**BIOL 531 ENTOMOLOGY<sup>2</sup> Credits**

Taxonomy, morphology, physiology, life history, behavior, ecology and economic importance of insects. Lecture, lab and field trips.

**Prerequisites:** BIOL 139, BIOL 139L, BIOL 239, and BIOL 239L

**Co-requisites:** BIOL 531L

**Dual-listed:** BIOL 431

**BIOL 531L ENTOMOLOGY LABORATORY1 Credit**

Laboratory and field experience in insect morphology and taxonomy. A student insect collection project is required. Field trips required.

**Prerequisites:** BIOL 139, BIOL 139L, BIOL 239, and BIOL 239L

**Co-requisites:** BIOL 531

**Dual-listed:** BIOL 431L

**BIOL 532 DEVELOPMENTAL BIOLOGY2 Credits**

Molecular and cellular aspects of development, including the regulation and expression of the genome during development, fertilization, cleavage, gastrulation, morphogenesis and organogenesis.

**Prerequisites:** BIOL 332

**Co-requisites:** BIOL 532L

**Dual-listed:** BIOL 532L

**BIOL 532L DEVELOPMENTAL BIOL LABORATORY1 Credit**

Laboratory experience in vertebrate embryology and morphological development.

**Co-requisites:** BIOL 532

**BIOL 533 HUMAN BIOMECHANICS2 Credits**

Utilization of anatomy, physiology and physics in the study of human movement. 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.

**Prerequisites:** BIOL 342, BIOL 342L, PHYS 241, and PHYS 241L

**Co-requisites:** BIOL 533L

**Dual-listed:** BIOL 433

**BIOL 533L HUMAN BIOMECHANICS LABORATORY1 Credit**

Laboratory experience in human movement. Technology and donor bodies will be used.

**Co-requisites:** BIOL 533

**BIOL 535 MAMMALOLOGY2 Credits**

The systematics, life history, physiology and behavior of mammals. Field trips may be required.

**Cross-Listed:** AGRI545/BIOL535

**Co-requisites:** BIOL 535L

**Dual-listed:** BIOL 435

**BIOL 535L MAMMALOLOGY LABORATORY1 Credit**

Laboratory experience in mammal structure and function.

**Cross-Listed:** AGRI545L/BIOL535L

**Co-requisites:** BIOL 535

**BIOL 536A MICROSCOPY THEORY1 Credit**

Microscopic principles and techniques focusing on the use of microscopes in scientific inquiry and diagnosis. Includes light and optic theory, specimen preparation, image collection and interpretation and types of research microscopes.

**Cross-Listed:** BIOL536A/GEOS526A

**Prerequisites:** Twelve (12) hours of lower-level Biology or Geoscience courses

**Dual-listed:** BIOL 436A

**BIOL 536B INTRODUCTION TO SCIENTIFIC RESEARCH2 Credits**

Scientific research methodology, including development of testable hypotheses, research design, data analysis introduction, grant proposal writing, and writing research papers.

**Cross-Listed:** BIOL536B/GEOS526B

**Prerequisites:** Twelve (12) hours of lower-level Biology or Geoscience courses

**Dual-listed:** BIOL 436B

**BIOL 538 TAXONOMY OF PLANTS2 Credits**

Applied taxonomy of vascular plants, with emphasis on families of flowering plants in the northern Great Plains.

**Prerequisites:** BIOL 138 and BIOL 138L

**Co-requisites:** BIOL 538L

**Dual-listed:** BIOL 438

**BIOL 538L TAXONOMY OF PLANTS LABORATORY1 Credit**

Laboratory experience in collecting, identifying and preparing vascular plant specimens, with emphasis on family recognition. A student plant collection project is required.

**Prerequisites:** BIOL 138 and BIOL 138L

**Co-requisites:** BIOL 538

**Dual-listed:** BIOL 438L

**BIOL 539 PLANT PHYSIOLOGY2 Credits**

Physiological and developmental processes occurring in cells, tissues and organs of plants. Emphasis on hormonal, environmental and other control mechanisms of plant behavior and development.

**Prerequisites:** BIOL 138 or AGRI 141 and CHEM 131 or CHEM 140

**Co-requisites:** BIOL 539L

**Dual-listed:** BIOL 436

**BIOL 539L PLANT PHYSIOLOGY LABORATORY1 Credit**

Laboratory experience in plant structure and function, with an emphasis on applied plant biochemistry.

**Co-requisites:** BIOL 539

**BIOL 540 TOPICS IN BIOLOGY1-3 Credits**

Designed to meet the needs of students 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.

**Notes:** Can be repeated, with a change in emphasis, for a total of six (6) course credits.

**BIOL 544 FRESHWATER ECOLOGY2 Credits**

Biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Cross-Listed:** BIOL544/GEOS544

**Prerequisites:** BIOL 336 and BIOL 336L

**Co-requisites:** BIOL 544L

**Dual-listed:** BIOL 444

**Requirements:** Field trips required

**BIOL 544L FRESHWATER ECOLOGY LABORATORY1 Credit**

Laboratory and field experience in biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Cross-Listed:** BIOL544L/GEOS544L

**Co-requisites:** BIOL 544

**BIOL 546 REGIONAL FLORA3 Credits**

The study of plants and plant communities of the region. Workshop format for majors and non-majors. Requirements: Field trips.

**Dual-listed:** BIOL 446

**BIOL 547 PHYLOGENY OF PLANTS1 Credit**

The phylogenetic treatment of land plants, living and extinct.

**Prerequisites:** BIOL 138 and BIOL 138L or AGRI 141 and BIOL 336

**Co-requisites:** BIOL 547L

**Dual-listed:** BIOL 447

**BIOL 547L PHYLOGENY OF PLANTS LABORATORY2 Credits**

Survey of land plant groups with emphasis on the taxonomy and ecology of bryophytes. Field trips required.

**Prerequisites:** BIOL 138 and BIOL 138L or AGRI 141 and BIOL 336

**Co-requisites:** BIOL 547

**Dual-listed:** BIOL 447L

**BIOL 548 ETHNOBOTANY3 Credits**

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.

**Co-requisites:** BIOL 548L

**Dual-listed:** BIOL 448

**BIOL 549 MOLECULAR BIOLOGY OF THE CELL3 Credits**

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).

**Prerequisites:** BIOL 332 and BIOL 332L

**Co-requisites:** BIOL 549L

**Dual-listed:** BIOL 449

**BIOL 550 FIELD LIMNOLOGY3 Credits**

Lecture and field methods for studying the biological, chemical and physical processes in lakes and streams. Note: Includes an extended field trip to Yellowstone National Park or other areas.

**Dual-listed:** BIOL 450

**Requirements:** Additional fees; early registration is required and one year of college-level science.

**BIOL 556 PATHOGENIC MICROBIOLOGY2 Credits**

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.

**Prerequisites:** BIOL 341 and BIOL 341L

**Co-requisites:** BIOL 556L

**Dual-listed:** BIOL 456

**BIOL 556L PATHOGENIC MICROBIOLOGY LABORATORY1 Credit**

Laboratory experience in isolation and clinical identification of pathogenic microbes.

**Prerequisites:** BIOL 341 and BIOL 341L

**Co-requisites:** BIOL 556

**BIOL 560 FIELD EXPERIENCE IN BIOLOGY1-6 Credits**

A one to five-week course, offered between fall and spring semesters, or during spring break. One (1) credit earned per 45 hours of full-time study. Itinerary for each class will be announced several weeks prior to registration.

**Requirements:** Additional fees and early registration.

**BIOL 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Designed to permit individual students to participate in a progressively more complex series of investigations and independent studies in biology at the graduate level.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**BIOL 612 ADVANCED BIOTECHNOLOGY3 Credits**

Independent research project, utilizing current biotechnology and molecular biology techniques. Project will be developed with assistance from the faculty member. Integration with undergraduate teaching will be a component of the research completed. Learning communities will be established with the students in BIOL 314.

**Cross-Listed:** BIOL612/CHEM612

**Prerequisites:** BIOL 332

**BIOL 620 ETHOLOGY3 Credits**

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 BIOLOGY1-3 Credits**

Meets special needs of individual students or groups, and is offered when demand can be demonstrated.

**BIOL 632 TOPICS IN ADVANCED HUMAN BIOLOGY1-3 Credits**

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.

**Notes:** Can be repeated, with a change in emphasis, for a total of twelve (12) hours of credit.

**BIOL 638 SYSTEMATICS OF PLANTS3 Credits**

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.

**BIOL 639 PLANT ANATOMY AND MORPHOLOGY3 Credits**

Origin and structure of plant cell types, tissues, and organs along with a survey of the plant world illustrated by specific examples from both living and fossil plants.

**BIOL 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Requirements:** Must complete three (3) course credits.

**BIOL 658 EVOLUTIONARY SYNTHESIS3 Credits**

Study of the fundamental theory of evolution, including phylogeny and earth history, macroevolutionary patterns, microevolutionary processes, and synthesis. Student will conduct a literature research project and engage in teaching concepts. Learning communities will be established with students in BIOL 458.

**Prerequisites:** BIOL 332 and BIOL 332L

**Dual-listed:** BIOL 458

**BIOL 660 THESIS1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. Original investigations in science leading to the master's thesis.

**Requirements:** Must complete six (6) course credits; prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.

**BIOL 690 INTERNSHIP IN BIOLOGY1-3 Credits**

Provides practical experience as a biologist in government, business, or industry. Interested students should contact the Career and Academic Planning Services office to secure application materials. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the work hours required.

**Add Consent:** Department Consent

**Notes:** Credits cannot be counted in the basic 36 course credits for a Master's degree; application should be made prior to the semester in which the internship will be started.

**Requirements:** Students must first complete a minimum of 18 course credits in their degree program.

## Business Administration (BA)

**BA 560 TOPICS IN BUSINESS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in business.

**BA 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Research in an area of special interest or need.

**Add Consent:** Instructor Consent

**Notes:** The topic and the amount of work required are determined by the number of credit hours

**Requirements:** Prior to registration, obtain permission of the instructor, Dean of Graduate Studies, and Academic Vice President.

**BA 655 SCHOLARLY PROJECT1-6 Credits**

Original research as prescribed under Plan II, as listed under Program Requirements. Project pertaining to a field of specialization and designed in consultation with student's graduate committee. Includes a paper summarizing the project.

**Requirements:** Prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.

**BA 660 THESIS1-6 Credits**

Original research as prescribed under Plan I, as listed under Program Requirements. Requirements: Must complete six (6) credit hours.

**Requirements:** Prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.

**BA 690 INTERNSHIP IN BUSINESS1-6 Credits**

Provides practical work experience in business.

**Add Consent:** Department Consent

**Notes:** Interested students should contact the Career and Academic Planning Services office to secure application materials; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the work hours required.

**Requirements:** Students must first complete a minimum of 18 course credits in their degree program; application should be made prior to the semester the internship will be started.

## Business Information Systems (BIS)

**BIS 560 TOPICS IN BUSINESS INFORMATION SYSTEMS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in BIS.

**BIS 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**BIS 632 INFORMATION SYSTEMS FOR MANAGERS3 Credits**

Overview of Information Systems. Stresses role of the manager and the strategic use of technology in business.

## Career & Technical Education (CTE)

**CTE 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

The number of credits is determined by the topic and the amount of work required. Requirements: Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**Add Consent:** Instructor Consent

**Notes:** May be repeated for up to six (6) course credits.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**CTE 531 INTRODUCTION TO SPECIAL NEEDS PROGRAMS IN CAREER AND TECHNICAL EDUCATION3 Credits**

Designed to help high school career and technical education teachers, special education teachers, and others determine the work-based and school-based needs of learners identified as special populations. The course includes transition-to-work curriculum and program plans.

**Dual-listed:** CTE 431

**CTE 534 PRINCIPLES AND PHILOSOPHY OF CAREER AND TECHNICAL EDUCATION3 Credits**

The principles, philosophy, and history of career and technical education are presented in this course.

**Dual-listed:** CTE 434

**CTE 535 ADULT EDUCATION3 Credits**

Study of adult learner, adult learning theory and adult programming.

**Dual-listed:** CTE 435

**CTE 538 COORDINATION TECHNIQUES: WORK-BASED LEARNING3 Credits**

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.

**Dual-listed:** CTE 438

**CTE 540 TOPICS IN CAREER AND TECHNICAL EDUCATION1-6 Credits**

Contemporary topics within career and technical education.

**CTE 552 PROGRAM DEVELOPMENTS, IMPLEMENTATION AND ASSESSMENT3 Credits**

A course that studies the development, implementation and assessment of programs within an organization. This course examines the leadership necessary to accomplish the goals and mission of the organization programs.

**Dual-listed:** CTE 452

**CTE 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**CTE 632 ORGANIZATIONAL LEADERSHIP3 Credits**

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 EDUCATION3 Credits**

An 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 PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with student's graduate committee. Includes paper summarizing the project.

**Add Consent:** Instructor Consent

**Requirements:** Must complete three (3) credit hours.

**CTE 660 THESIS1-6 Credits**

Original research as prescribed under Plan I of the General Requirements for the Master's Degree.

**Add Consent:** Instructor Consent

**Requirements:** Must complete six (6) credit hour; prior to registration the proposal must be approved by the student's committee and Dean of Graduate Studies.

**CTE 690 INTERNSHIP1-6 Credits**

Provides practical work experience in an agency related to career and technology education.

**Add Consent:** Instructor Consent

**Notes:** Interested students should contact the Career and Academic Planning Services office to secure application materials; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the work hours required; students must first complete a minimum of 18 credit hours in their degree program; application should be made prior to the semester the internship will be started.

## Chemistry (CHEM)

**CHEM 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

For the graduate student participating in investigations and/or independent studies in chemistry.

**Add Consent:** Instructor Consent

**Notes:** May be repeated.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**CHEM 501 CHEMISTRY RESEARCH1-3 Credits**

Laboratory research experience for chemistry students. Project responsibilities assigned and supervised by chemistry faculty.

**Prerequisites:** BIOL 243, 243L, 244, 244L and BIOL 332, 332L or GEOS 234, 234L and GEOS 337, 337L.

**CHEM 517 TOPICS IN CHEMISTRY1-3 Credits**

Designed to meet the needs of students in a special area of interest.

**Notes:** May be repeated for up to six (6) hours.

**CHEM 519 SPECIAL TOPICS IN CHEMISTRY1-3 Credits**

Designed to meet the needs of chemistry majors.

**Notes:** May be repeated.

**CHEM 530 INORGANIC CHEMISTRY3 Credits**

Advanced principles of inorganic chemistry.

**Prerequisites:** CHEM 132 and CHEM 132L

**CHEM 533 ENVIRONMENTAL CHEMISTRY3 Credits**

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.

**Prerequisites:** CHEM 132 and CHEM 132L or CHEM 140 and CHEM 140L

**Co-requisites:** CHEM 533L

**CHEM 533L ENVIRONMENTAL CHEMISTRY LABORATORY1 Credit**

Laboratory experience.

**Prerequisites:** CHEM 132 and CHEM 132L or CHEM 140 and CHEM 140L

**Co-requisites:** CHEM 533

**CHEM 535 BIOCHEMISTRY3 Credits**

Covers the components and reactions of living matter. Topics include metabolism of major macromolecules including carbohydrates, lipids, and nucleic acids. Enzyme function and regulation will be studied.

**CHEM 535L BIOCHEMISTRY LABORATORY1 Credit**

Laboratory experiments in purification, quantitation and characterization of biological molecules.

**CHEM 544 PHYSICAL CHEMISTRY3 Credits**

Fundamental principles of thermodynamics, kinetics, and quantum mechanics as related to chemical concepts.

**Prerequisites:** CHEM 132, CHEM 132L, and MATH 138 or MATH 151

**Co-requisites:** CHEM 544L

**Dual-listed:** CHEM 444

**CHEM 544L PHYSICAL CHEMISTRY LABORATORY1 Credit**

Laboratory experience.

**Prerequisites:** CHEM 132, CHEM 132L, and MATH 138 or MATH 151

**Co-requisites:** CHEM 544L

**CHEM 564 PHYSICAL CHEMISTRY I13 Credits**

Fundamental principles of kinetics, and quantum mechanics as related to chemical concepts.

**Prerequisites:** CHEM 544, CHEM 544, and MATH 151

**Dual-listed:** CHEM 464

**CHEM 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Research investigations in chemistry. Requirements: Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**Add Consent:** Instructor Consent

**CHEM 612 ADVANCED BIOTECHNOLOGY3 Credits**

Independent research project utilizing current biotechnology and molecular biology techniques. Project will be developed with assistance from the faculty member. Integration with undergraduate teaching will be a component of the research completed. Learning communities will be established with students in CHEM 314.

**Cross-Listed:** BIOL612/CHEM612

**Prerequisites:** BIOL 332

**CHEM 640 TOPICS IN CHEMISTRY1-3 Credits**

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.

**Notes:** May be repeated with different topics for up to six (6) course credits.

**CHEM 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Requirements:** Must complete three (3) course credits.

**CHEM 660 THESIS RESEARCH1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. Original investigations in chemistry leading to the master's thesis.

**Requirements:** Must complete six (6) credit hours; proposal must be approved by the student's committee and Dean of Graduate Studies prior to registration.

## Communication Arts (CA)

**CA 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**CA 520 RELATIONAL AND FAMILY COMMUNICATION3 Credits**

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 both western and intercultural traditions.

**Dual-listed:** CA 420

**CA 535 ADVANCED TOPICS IN COMMUNICATION1-3 Credits**

Special topics in communications.

**Dual-listed:** CA 435

**Notes:** May be repeated with change of emphasis.

**CA 536 SEMINAR IN COMMUNICATION3 Credits**

Designed to meet the specific needs of a group of students.

**Dual-listed:** CA 436

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a different topic.

**Requirements:** Permission of Communication Arts faculty required.

**CA 540 GENDER AND COMMUNICATION3 Credits**

Explores gender as a communication variable in settings ranging from interpersonal relationships, organizational settings, intercultural settings, to public or mass communication.

**Dual-listed:** CA 440

**CA 560 HEALTH COMMUNICATION3 Credits**

An examination of the role of communication in public health campaigns and in interpersonal interactions concerning health topics. Includes analysis of the design, implementation and evaluation of health campaigns.

**CA 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**CA 610 THEORIES OF CONFLICT RESOLUTION AND MEDIATION3 Credits**

Approaching conflict resolution and mediation from a skills perspective. Effective conflict mediation and resolution skills in both personal and professional settings will be discussed.

**CA 615 RESEARCH PROCESS AND PRACTICE3 Credits**

A review of research methods used in a variety of disciplines wherein students can gain an advanced conceptual, philosophical and practical understanding of research traditions and designs in quantitative and qualitative methodologies.

**CA 620 MEDIA RELATIONS AND LEADERSHIP3 Credits**

This course examines leadership and its relationship to the media. It uses a case-study approach for understanding the roles and responsibility that leadership plays in generating effective messages and communication through the media to inform its target audiences and influence public opinion. Using specific cases, students review how the print, broadcast and digital media function with organizations. Students analyze how to best develop and implement strategies in media relations for meeting the leadership needs of different types of organizations.

**CA 630 ORGANIZATIONAL COMMUNICATION3 Credits**

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.

**CA 635 CROSS CULTURAL COMMUNICATION3 Credits**

A critical examination of theoretical and applied aspects of cross-cultural communication as applied to diversity issues in individual, work and other social settings inside and outside the United States.

**CA 650 LEADERSHIP IN GROUPS AND TEAMS3 Credits**

A study of communication in groups and teams with components of leadership, communication theory and decision-making processes in a variety of settings will be explored including; community, sports, online and workplace.

## Counseling (COUN)

**COUN 501 TOPICS IN COUNSELING1-3 Credits**

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 publication.

**COUN 520 PSYCHOPHARMACOLOGY, SOCIAL AND MEDICAL ISSUES IN ADDICTIONS3 Credits**

This course will explore and review issues of medical and psychological aspects of alcohol/drug use, abuse and addiction. This course is designed to meet the requirements to apply for addictions counseling licensure. Special emphasis is placed on psychopharmacology within the context of addiction.

**COUN 523 DIAGNOSES AND THE DSM3 Credits**

Within the context of normal human growth and development, mental health and behavioral disorders are studied using the current Diagnostic and Statistical Manual of Mental Disorders.

**COUN 531 COUNSELING AND COMMUNICATION SKILLS3 Credits**

The purpose of this course is to develop basic competencies in the processes of communication, interviewing, and counseling. This course is meant to provide an introduction to counseling skills and provide a foundation for utilization of techniques across various theoretical orientations.

**Requirements:** Synchronous and Asynchronous Online Participation

**COUN 532 TREATMENT ISSUES IN ADDICTIONS3 Credits**

Substance abuse issues are explored in a variety of counseling settings.

**COUN 533 COUNSELING ETHICS AND PROFESSIONAL IDENTITY3****Credits**

Surveys the ethical, legal and professional issues in counseling. Topics include professional conduct, decision-making and legal requirements for the counseling professional.

**Notes:** Online synchronous participation may be required.

**COUN 534 FUNDAMENTALS OF ASSESSMENT3 Credits**

Introduction to the uses of assessments in counseling and school counseling. Understanding the uses of validity and reliability in assessment instruments will be presented. Exploration offered in types of assessment and what is needed to construct assessments.

**COUN 535 MULTICULTURAL COUNSELING3 Credits**

Topics include issues of diversity, cultural characteristics, culturally appropriate and sensitive interventions imperative for those entering the counseling profession.

**COUN 541 COUNSELING THEORIES3 Credits**

Review of the major theoretical constructs in counseling and psychotherapy with incorporation of multicultural relevance in the treatment of each theory.

**COUN 545 ESSENTIALS OF ADDICTION COUNSELING AND CASE MANAGEMENT3 Credits**

This course is designed to review specific needs and approaches in alcohol/drug assessment, case planning and management.

**COUN 600 INDEPENDENT RESEARCH OR STUDY1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**COUN 601 PRACTICUM-CLINICAL MENTAL HEALTH COUNSELING3 Credits**

Provides Clinical Mental Health counseling students with opportunities to work with clients in on-going counseling situations, under the direct supervision of a qualified faculty member and site-supervisor. Students observe and practice counseling under faculty supervision, site supervision, and interaction with other students. Activities include observation, direct counseling, and self-evaluation. Students see individual clients and/or group clients in counseling clinic settings. Students must participate in synchronous online group supervision.

**Prerequisites:** COUN 523, 531, 533, 541, 631 and 634

**Co-requisites:** COUN 634

**Add Consent:** Instructor Consent

**Requirements:** Synchronous and Asynchronous Online Participation; Instructor Permission; Minimum Grade of B.

**COUN 602 PRACTICUM-SCHOOL COUNSELING3 Credits**

Provides School Counseling students with opportunities to work with clients in on-going counseling situations, under the direct supervision of a qualified faculty member and a site supervisor. Students will see individual clients and/or group clients in a school setting gaining clinical experience within the school systems prior to Internship. These hours are determined by the Nebraska Department of Education regulations at the grade levels for the endorsement. Students must participate in synchronous online group supervision.

**Prerequisites:** COUN 531, 533, 541, 634, 635

**Co-requisites:** COUN 634, 635

**Add Consent:** Instructor Consent

**Requirements:** Synchronous and Asynchronous Online Participation; Instructor Permission; Minimum Grade of B.

**COUN 629 COUNSELING CHILDREN3 Credits**

This course provides a theoretical overview of the growth and development of children. Emphasis is placed on translating theory into practice in school and community settings.

**COUN 630 CRISIS COUNSELING3 Credits**

This course provides an overview of crisis and disaster intervention strategies for the professional counselor. Topics will include, but are not limited to, crisis of suicide, homicide, domestic violence, school violence, post-traumatic stress disorder, and vicarious trauma. The course will also explore the counselor's role in natural and human disaster intervention.

**Notes:** Online synchronous participation may be required.

**COUN 631 PRINCIPLES AND PRACTICES OF MENTAL HEALTH COUNSELING3 Credits**

This course addresses professional principles and practices of mental health counseling. It includes history, identity, roles, and trends affecting the field and practice of mental health counseling in community and agency settings.

**COUN 632 CAREER AND LIFESTYLE DEVELOPMENT3 Credits**

This course studies career development throughout the lifespan with an exploration of models and theories of career development that shape career-decision making from pre-school through retirement. Includes sources of career and lifestyle information relevant to educators, human resource specialists, and counselors.

**Notes:** Synchronous online participation may be required.

**COUN 634 GROUP COUNSELING3 Credits**

This course will explore the theories, research and application of group counseling dynamics and techniques. Students will participate in a weekly synchronous online group counseling experience.

**Requirements:** Synchronous and Asynchronous Online Participation

**COUN 635 SCHOOL COUNSELING3 Credits**

This course is designed to prepare school counseling students for effective program development, delivery, and evaluation based on the national ASCA model focusing on the career, academic, personal, and social development aspects of school counseling.

**COUN 636 FAMILY COUNSELING3 Credits**

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 HUMAN DEVELOPMENT3 Credits**

Case studies interwoven with empirical findings, theory, research methodology, explanations of technical concepts and practical issues are presented to clarify biological, perceptual, cognitive, social and emotional development.

**COUN 640 INTERNSHIP IN COUNSELING1-6 Credits**

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:** COUN 601 or 602

**Add Consent:** Department Consent

**Requirements:** Synchronous and Asynchronous Online Participation; Instructor Permission; Minimum Grade of B.

**COUN 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. The student engages in a major project related to their area of specialization. The design of the paper and the project is in cooperation with the student's graduate committee.

**Add Consent:** Department Consent

**Requirements:** Must complete three (3) credit hours.

**COUN 660 THESIS1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. The student designs and implements an extensive research project. The research and the paper are designed in cooperation with the student's graduate committee.

**Add Consent:** Department Consent

**Requirements:** Permission of advisor and the Dean of Graduate Studies; must complete six (6) credit hours.

## Criminal Justice (CJ)

**CJ 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President; fifteen (15) course credits of Criminal Justice.

**CJ 536 SEMINAR: COMPARATIVE CRIMINAL JUSTICE3-6 Credits**

A study and comparison of the world's major justice systems. This course compared the various elements of human culture as reflected in the major criminal justice systems of the world and procedures for social control of crime. Special attention is given to what constitutes a crime, the judicial processes for determining guilt, and theories and practices of punishment.

**Dual-listed:** CJ 436

**Add Consent:** Instructor Consent

**Drop Consent:** Instructor Consent

**CJ 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Faculty-guided research in an area of mutual interest to the student and instructor. Note: Students are responsible for selecting the area of inquiry prior to contacting the instructor.

**Prerequisites:** 15 course credits of Criminal Justice

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**CJ 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Designed in consultation with student's graduate committee. Includes paper summarizing the project.

**Requirements:** Must complete three (3) course credits.

## Economics (ECON)

**ECON 560 TOPICS IN ECONOMICS1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in economics.

**ECON 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Research in an area of special interest or need. The topic and the amount of work required are determined by the number of course credits.

**Add Consent:** Instructor Consent

**Requirements:** Prior to registration, permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**ECON 637 MANAGERIAL ECONOMICS3 Credits**

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.

## Education (EDUC)

**EDUC 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest. The number of course credits is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**EDUC 512A ANALYSIS OF INSTRUCTION1 Credit**

Course designed to improve instruction and curriculum of classroom teachers through contextual analysis, instructional planning and design, student assessments, and reflection.

**EDUC 512B ANALYSIS OF INSTRUCTION1 Credit**

Course designed to improve instruction and curriculum of classroom teachers through contextual analysis, instructional planning and design, student assessments, and reflection.

**EDUC 512C ANALYSIS OF INSTRUCTION1 Credit**

Course designed to improve instruction and curriculum of classroom teachers through contextual analysis, instructional planning and design, student assessments, and reflection.

**EDUC 530 INTEGRATED CLASSROOM METHODOLOGY3 Credits**

Designed to develop pedagogical and classroom related skills to promote academic learning in the P-12 classroom. Course members will study educational topics in relation to learning styles and learner development, classroom instruction/assessment, curriculum development/planning, school structure, classroom management and differentiated instruction practices.

**Notes:** This course is designed to be taken by candidates seeking a Post Bachelor's endorsement in education.

**EDUC 531 COMPUTER BASICS AND ISSUES OF TECHNOLOGY IN SCHOOLS3 Credits**

Explores computer technology: learning some basic technological language, concepts, and ways to communicate about, prevent, and solve technical problems. Emphasis on functioning effectively in educational settings with computers and other forms of digital technology. The course focuses on change in educational institutions, effectiveness of educational technology, and related current social and political issues.

**EDUC 532 COMPUTER-MANAGED INSTRUCTION3 Credits**

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 SCHOOL3 Credits**

Philosophy, implementation and improvement of the middle school from a theoretical and practical basis. Emphasis is placed on the development, behavior and special problems of middle school students; overall school program; methods of instruction and the evaluation process.

**Dual-listed:** EDUC 433

**EDUC 534 TECHNOLOGY IN INSTRUCTIONAL STRATEGIES3 Credits**

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.

**Dual-listed:** EDUC 434

**EDUC 535 BLENDED TEACHING AND LEARNING3 Credits**

Focuses on the integration of a variety of online tools to develop a dynamic blended teaching and learning environment. Teachers at all levels of the education system are under pressure to meet the dual demands of integrating new technologies and 21st Century skills into teaching, while helping their students achieve high standards. This course helps one design an online teaching and learning space that is available to the teacher and their students anytime and anyplace.

**EDUC 536 MULTIMEDIA IN THE CLASSROOM3 Credits**

Focuses on the integration of multimedia technologies into the academic curriculum. Stresses video, hypermedia, digital imagery, 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. Exercises in development of multimedia activities will focus on making decisions about content, instructional strategies, and the use of technology in innovative ways to supplement, enhance, and extend the curriculum.

**EDUC 538 CONTEMPORARY TEACHING PRACTICES3 Credits**

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 540 TOPICS IN EDUCATIONAL TECHNOLOGY1-3 Credits**

Designed to allow students to study some aspect of educational technology not offered as a regular class.

**Add Consent:** Instructor Consent

**Notes:** May be repeated, with a change of emphasis, for a maximum of six (6) course credits.

**Requirements:** Students must confirm with their advisor that the course is acceptable for their Plan of Study.

**EDUC 580 FIELD EXPERIENCE1-8 Credits**

Assists the non-certified teacher and/or the teacher seeking an additional endorsement program or renewal of an expired certificate, through a planned and supervised field experience.

**Add Consent:** Department Consent

**Notes:** The total number of field experience hours will be determined by a transcript review.

**Requirements:** Affirmation, under oath, that the student has no felony convictions or misdemeanor convictions involving abuse, neglect or sexual misconduct; successful completion of Teacher Education requirements as outlined in the General Catalog.

**EDUC 639 ADVANCED METHODS OF PERFORMANCE ASSESSMENT3 Credits**

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.

**Notes:** This course was offered as EDUC 539 prior to Fall 2013.

## Educational Administration (EDAD)

**EDAD 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest. The number of credits is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**EDAD 629 FUNDAMENTALS OF SCHOOL ADMINISTRATION3 Credits**

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.

**Requirements:** Ten (10) clock hours of school-based clinical experience are required as a part of this course.

**EDAD 631 PUBLIC RELATIONS3 Credits**

An overview of current theory and practice in public relations, indicating principles and models to help understand how to sell an idea, build a coalition and manage crises. Working with various sources to develop a public relations plan will be addressed.

**EDAD 632 SUPERVISION OF INSTRUCTION3 Credits**

Reviews current philosophy and practices in supervision, at both the elementary and 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.

**Requirements:** Fifteen (15) clock hours of school-based clinical experience are required as a part of this course.

**EDAD 633 SCHOOL ADMINISTRATION AND LEADERSHIP3 Credits**

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.

**Prerequisites:** EDAD 629

**Requirements:** Ten (10) clock hours of school-based clinical experience are required as a part of this course.

**EDAD 634 SCHOOL BUSINESS MANAGEMENT AND FINANCE3 Credits**

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 637 SCHOOL PLANT PLANNING AND MAINTENANCE3 Credits**

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 ADMINISTRATION3 Credits**

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.

**Requirements:** Fifteen (15) clock hours of school-based clinical experience are required as a part of this course.

**EDAD 639 PRACTICUM/INTERNSHIP IN EDUCATIONAL ADMINISTRATION3 Credits**

Provides practical learning experiences inherent to the elementary/middle/secondary school principal-ship and special education 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 supervisor.

**Prerequisites:** EDAD 629, EDAD 632, EDAD 633, EDAD 638, and EDCI 638  
**Notes:** For additional guidance options on this process, contact the CSC Certification Officer.

**Requirements:** A minimum of 250 clock hours of school-based clinical experience in a practicum setting at an accredited school site(s), is required as a part of this course. To be certified at more than one grade level area (i.e., PK-8; 7-12, PK-12). Should be taken as close to the end of the program as possible.

**EDAD 639B ADVANCED PRACTICUM/INTERNSHIP IN EDUCATIONAL ADMINISTRATION3-6 Credits**

Provides additional hours of experience under the direction of a practicing principal, at either or both, the secondary or elementary level. The experience is guided by the student's chairperson and an administrator in the field.

**Prerequisites:** EDAD 629, EDAD 632, EDAD 633, EDAD 638, and EDCI 638  
**Notes:** Additional hours may be necessary for certification in other states.

**EDAD 640 SPECIAL TOPICS1-3 Credits**

Designed to allow students to study some aspect of educational administration not offered in the regular class.

**Notes:** May be repeated, with a change in emphasis, for a maximum of six (6) credit hours.

**EDAD 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. This project will utilize research skills.

**Requirements:** Must complete three (3) course credits.

**EDAD 660 THESIS1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. An extensive research study conducted under the guidance of the student's advisor. Note: Recommended for all who plan to do further advanced work in education.

**Requirements:** Must complete six (6) course credits; prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.

## Educational Curriculum & Instr (EDCI)

**EDCI 536 SEMINAR/TOPICS IN EDUCATION1-3 Credits**

Investigation of special topics in education. Attempts will be made to meet individual needs.

**EDCI 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest. The number of credits is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS3 Credits**

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 SCHOOLS3 Credits**

Emphasis on curriculum and methodology in effective science and health education classes. Investigations 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.

**Requirements:** Student-teaching or other teaching experience.

**EDCI 633 EDUCATIONAL PHILOSOPHY3 Credits**

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 education in a democratic society.

**EDCI 634 IMPROVEMENT OF INSTRUCTION IN MATHEMATICS IN ELEMENTARY/MIDDLE SCHOOLS3 Credits**

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. Prerequisites: Student-teaching or other teaching experience.

**EDCI 635 CURRICULUM DEVELOPMENT3 Credits**

K-12 school curriculum, including pupil needs in everyday life situations. 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 SOCIAL STUDIES IN ELEMENTARY/MIDDLE SCHOOLS3 Credits**

The objectives of social education, organization or 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.

**Requirements:** Student-teaching or other teaching experience.

**EDCI 637 IMPROVEMENT OF INSTRUCTION IN LANGUAGE ARTS IN ELEMENTARY/MIDDLE SCHOOLS3 Credits**

Principles and techniques of effective instruction in the areas of handwriting, spelling, reading, oral and written language.

**Requirements:** Student-teaching or other teaching experience.

**EDCI 638 SCHOOL LAW3 Credits**

Evaluation and current status of the law pertaining to the teacher in the classroom. Specific school situations will be analyzed as applicable to state statutory and constitutional provisions and the rationale for the judicial interpretations of legal mandates.

**EDCI 639 SYSTEMIC CHANGE: PROCESS FOR SCHOOL IMPROVEMENT3 Credits**

Seminar designed to follow and apply research focusing on systemic change. Student concerns and interests are part of this class.

**EDCI 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. 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.

**Requirements:** Must complete three (3) credit hours.

**EDCI 660 THESIS1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. The completion of a research project of considerable scope. The report of a study conducted under the guidance of the student's advisor.

**Notes:** Recommended for anyone planning to do further advanced work in education.

**Requirements:** Must complete six (6) course credits; prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.

## English (ENG)

**ENG 531 TOPICS IN ENGLISH3 Credits**

Special topics in English.

**Dual-listed:** ENG 431

**Notes:** May be repeated with a change of emphasis.

**ENG 532 SHAKESPEARE3 Credits**

A study of Shakespeare's works (both plays and sonnets), with consideration given to the history of performance.

**Dual-listed:** ENG 432

**ENG 535 NATIVE AMERICAN LITERATURE3 Credits**

A study of the history, themes, and/or genres of literature produced by and about Native Americans.

**Dual-listed:** ENG 435

**ENG 536 WORLD LITERATURE3 Credits**

A study of representative poetry, drama, fiction, and non-fiction prose selected from global literature. Texts not originally published in the English language will be read in English translation.

**Dual-listed:** ENG 436

**ENG 538 ADOLESCENT LITERATURE3 Credits**

A study of literature written and published for adolescents, with opportunities for critical conversations about the teaching of such literature.

**Dual-listed:** ENG 438

**ENG 540 THEORY AND PRACTICE OF LITERARY CRITICISM3 Credits**

A study of selected theories that provide the foundations for literary criticism and the application of those theories to specific texts.

**Dual-listed:** ENG 440

**ENG 541 NOVELS3 Credits**

A study of the novel as a genre and literary criticism focused on reading it as such.

**Dual-listed:** ENG 441

**ENG 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest. The number of credits is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies and Academic Vice President.

**ENG 631 SEMINAR IN ENGLISH3 Credits**

Study in any of the disciplines included under the language arts and designed to meet the specific needs of a group of students.

**Add Consent:** Instructor Consent

## Family and Consumer Sciences (FCS)

**FCS 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Selected problems of interest to advanced students.

**Add Consent:** Instructor Consent

**Requirements:** Permission of the instructor, Dean of Graduate Studies, and Academic Vice President.

**FCS 517 LIFESPAN WELLNESS3 Credits**

Students will discuss current health issues and incorporate wellness practices that lead to positive personal changes in health and wellness lifestyle as well as understand the importance of a healthy lifestyle throughout the lifespan. Examination of health, history, medications, culture, ages, lifestyles, predisposed health conditions, injury/physical challenges, and the individual's goals/objectives. Students will use both wellness and developmental models as a basis for learning skills and strategies which promote a lifetime of wellness. Emphasis is on empowering students to work with individuals across the lifespan (birth through old age) in promoting optimal wellness choices.

**Dual-listed:** FCS 417

**FCS 520 LOSS ACROSS THE LIFESPAN3 Credits**

A study of the "losses" experienced by individuals and families. This includes the loss of things, relationships, and function, as well as intrapsychic loss, social loss, and systemic loss. Losses and the interpretation of loss change as individuals progress through the life cycle. This course will focus on loss and grief across the lifespan.

**Dual-listed:** FCS 420

**FCS 527 WORKSITE WELLNESS3 Credits**

This course covers the assessment, development/design, implementation and evaluation of worksite health promotion programs and the benefits these programs have for employees, their families, employers and society. Students will review various health risk appraisals and plan theory-based incentive programs designed to promote positive lifestyles. Students will learn how to facilitate implementation and evaluation of wellness programs for individuals and worksite locations. An examination of the physical and psychological factors that affect health throughout the life cycle will be made by applying fundamental knowledge and skills of designing, planning, and evaluating a basic workplace wellness program. Students will also conduct and report on a workplace needs assessment and prepare a proposal to implement a sustainable, comprehensive, and integrated workplace health and wellness program.

**Dual-listed:** FCS 427

**FCS 532 PLAY BASED LEARNING IN EARLY CHILDHOOD3 Credits**

Play is an integral part of a child's life. This course will focus on the importance, value and benefits of Play-Based learning in the overall scheme of child development. Students will gain knowledge and skill in the pedagogy of play as a foundation for curriculum development.

**FCS 534 ISSUES IN HEALTH AND HUMAN SERVICES3 Credits**

Provides an opportunity to concentrate on current issues in the human services field including policies, programs, funding, consumer rights and administrative issues. Significant emphasis is placed on effective grantsmanship, including writing and administering grant proposals.

**Dual-listed:** FCS 434

**FCS 537 FAMILY STRENGTHS3 Credits**

This is an advanced study in the dynamics of successful family relationships, investigation into the attributes of vital families which contribute toward the resolution of stressors in meaningful and positive ways. Lecture, discussion, and case study.

**Dual-listed:** FCS 437

**FCS 540 SPECIAL TOPICS IN FAMILY AND CONSUMER SCIENCES1-6 Credits**

Contemporary concepts and issues in Family and Consumer Sciences as well as attendance and participation in conferences and leadership development opportunities.

**Notes:** May be repeated with different emphases for up to six credits.

**FCS 541 EARLY CHILDHOOD: METHODS AND MATERIALS1-6 Credits**

Methods and materials for teaching and learning will be the focus of the course. The course is designed to provide students the opportunity to explore and examine developmentally appropriate practices, theory, procedures, strategies, techniques, and general principles associated with current methods used in the early childhood learning environments. A second major emphasis of the course allows students the opportunity to discover models for best practices as they are integrated into the natural, inclusive early learning experience. Skills for applying best practices will be developed through field experiences.

**FCS 547 ADVANCED NUTRITION FOR SPORT AND WELLNESS3 Credits**

A study of the nutrients and their relationship to sport and wellness. Will address the special nutritional and training needs of athletes and all physically active individuals. Major topics include the function and sources of each of the nutrients; fueling for pre-exercise, during exercise and after exercise; specific meal planning, nutrient needs for specific athletes and wellness lifestyles; and more.

**FCS 557 NUTRITION FOR COMMUNITY WELLNESS3 Credits**

An evidence-based study of the science of nutrition and its relationship to improving public health. Emphasis on the campus-community approach to improving health. Special emphasis on the relationship between nutritional epidemiology and the research, policies and programs in regards to prevention/treatment and lifestyle/hereditary diseases.

**Dual-listed:** FCS 457

**FCS 567 EPIDEMIOLOGY AND GLOBAL HEALTH3 Credits**

This course will provide a comprehensive understanding of sources of population data in terms of morbidity, mortality, and other vital statistics. Scientific methods for approaching population data and identifying public health problems and empirical analysis of data will be emphasized. This course will provide a purposeful and applicable sense of citizenship and civic mindedness by developing a comprehensive understanding of one's personal and social responsibility in the ethical application and advocacy of public health; locally, nationally, and globally. Critical evaluation of medical and public health literature is included.

**Dual-listed:** FCS 467

**FCS 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Selected problems of interest to advanced students.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**FCS 690 INTERNSHIP1-6 Credits**

Provides practical experience in an agency related to Family and Consumer Sciences. Interested students should contact the Career and Academic Planning Services office to secure application materials. The amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant, and the required work hours.

**Add Consent:** Department Consent

**Requirements:** Students must first complete a minimum of 18 credits in their degree program; application should be made prior to the semester in which the internship will be started.

## Finance (FIN)

**FIN 560 TOPICS IN FINANCE1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in finance.

**FIN 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Selected problems of interest to advanced students. The number of credits is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**FIN 631 CORPORATE FINANCE3 Credits**

Covers advanced financial principles, focusing on the application and case studies of financial theory to business and corporate problems and solving problems. Uses a case method approach of financial theory to business and corporate problems to study advanced financial principles starting with the financial statement analysis, financial planning and forecasting, working capital management, capital budgeting, long-term financing and dividend policy, and comprehensive financial policy analysis.

**FIN 632 FINANCE FOR MANAGERS3 Credits**

This course provides a perspective on the core aspects of financial management for businesses, including how to read financial statements, forecast revenue and plan for growth, evaluate the financial viability of projects, employ cash flow to analyze business status, calculate the cost of business activities, and control business operations through effective budget management.

## Geography (GEOG)

**GEOG 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Study or research in an area of special interest. The number of credits is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**GEOG 530 TOPICS IN GEOGRAPHY1-3 Credits**

Special topics in geography.

**Notes:** May be repeated with a change of emphasis.

**GEOG 538 SEMINAR IN CULTURAL GEOGRAPHY1-3 Credits**

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.

**Prerequisites:** GEOG 232

**GEOG 566 FIELD EXPERIENCE IN GEOGRAPHY1-3 Credits**

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. Study the cultural landscapes involving the synthesis of cultural activity including: land use, urban and rural settlements, and economic, political and social activities. May require a tour.



**GEOG 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Requirements:** Must complete three (3) course credits.

## Geoscience (GEOS)

**GEOG 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Designed for the graduate student seeking an individual problem in Geoscience. The number of course credits is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Notes:** May be repeated.

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**GEOG 526A MICROSCOPY THEORY1 Credit**

Microscopic principles and techniques focusing on the use of microscopes in scientific inquiry and diagnosis. Includes light and optic theory, specimen preparation, image collection and interpretation, and types of research microscopes

**Cross-Listed:** BIOL536A/GEOS526A

**Prerequisites:** 12 hours of Biology or Geoscience courses

**Dual-listed:** GEOS 426A

**GEOG 526B INTRODUCTION TO SCIENTIFIC RESEARCH2 Credits**

Scientific research methodology, including development of testable hypotheses, research design, data analysis introduction, grant proposal writing and writing research papers.

**Cross-Listed:** BIOL536B/GEOS526B

**Prerequisites:** 12 hours of Biology or Geoscience courses

**Dual-listed:** GEOS 426B

**GEOG 530 SPECIAL TOPICS IN GEOSCIENCE1-3 Credits**

To meet special needs of Geoscience students.

**Notes:** May be repeated.

**GEOG 531 GEOLOGY OF WATER RESOURCES3 Credits**

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. Requirements: Field trips.

**Dual-listed:** GEOS 431

**GEOG 534 INTRODUCTION TO OCEANOGRAPHY3 Credits**

An earth-system approach to the study of the oceans. Includes discussion of physical and biological phenomena in the oceans; analyzes interactions among the hydrosphere, atmosphere and geosphere, and considers humans as stewards of ocean resources. Field trips may be required.

**Dual-listed:** GEOS 434

**GEOG 535 FIELD EXPERIENCE IN GEOSCIENCE1-3 Credits**

Typically a one to three (1-3) week workshop. Field excursions to study major geologic features and provinces in North America or elsewhere.

**Dual-listed:** GEOS 435

**Add Consent:** Instructor Consent

**GEOG 536 FIELD EXCAVATION AND PROCEDURES1-3 Credits**

A summer workshop designed to give the student field experience in the development of paleontological sites.

**Dual-listed:** GEOS 436

**Add Consent:** Instructor Consent

**GEOG 538 PETROLEUM GEOLOGY3 Credits**

The origin, characteristics, occurrence, exploration and development of/ for petroleum. Field trips are required.

**Prerequisites:** GEOS 231 and GEOS 231L

**Dual-listed:** GEOS 438

**GEOG 539 SEDIMENTOLOGY AND STRATIGRAPHY3 Credits**

The origin and characteristics of sedimentary rocks.

**Prerequisites:** GEOS 231, GEOS 231L, GEOS 234, and GEOS 234L

**Co-requisites:** GEOS 539L

**Dual-listed:** GEOS 439

**GEOG 539L SEDIMENTOLOGY AND STRATIGRAPHY LABORATORY1 Credit**

Laboratory and field studies of sediments and sedimentary rocks.

**Prerequisites:** GEOS 231, GEOS 231L, GEOS 234, and GEOS 234L

**Co-requisites:** GEOS 539

**GEOG 544 FRESHWATER ECOLOGY2 Credits**

Biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Cross-Listed:** BIOL544/GEOS544

**Co-requisites:** GEOS 544

**Requirements:** Field trips required

**GEOG 544L FRESHWATER ECOLOGY LABORATORY1 Credit**

Laboratory and field experience in biological, chemical, and physical studies of inland surface waters. Includes both classic Limnology and Ichthyology.

**Cross-Listed:** BIOL544L/GEOS544L

**Co-requisites:** BIOL 544

**GEOG 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Research investigations in Geoscience.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**GEOG 622 RESEARCH APPLICATIONS WITH GIS3 Credits**

Research and applications of geographic information systems in geological mapping. Problem description and analysis methods will be integrated with teaching of basic GIS skills. Note: Learning communities will be established with students in GEOS 322. Field trips may be required.

**GEOG 628 RESEARCH PETROGRAPHY3 Credits**

Research and application of petrographic methods to geological problems and integration with undergraduate teaching of rocks and minerals. Note: Learning communities will be established with students in GEOS 338. Field trips may be required.

**GEOG 630 TOPICS IN GEOSCIENCE3 Credits**

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. Field trips may be required.

**Notes:** May be repeated with different topics for up to six (6) course credits.

**GEOG 632 ADVANCED STRUCTURE AND TECTONICS3 Credits**

Advanced methods and practice of mapping and interpretation of structures in the field. Note: Learning communities will be established with students in GEOS 432. Field trips may be required.

**GEOG 635 FIELD PROBLEMS1-3 Credits**

Field excursions to study geologic features and their interpretation. Learning communities will be established with students in GEOS 435. Field trips are required.

**GEOS 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Requirements:** Must complete three (3) course credits.

**GEOS 660 THESIS RESEARCH1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. Original investigations in Geoscience leading to the master's thesis.

**Requirements:** Must complete 3-6 course credits; prior to registration, the proposal must be approved by the student's committee and the Dean of Graduate Studies.

## Health, PE, and Recreation (HPER)

**HPER 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**HPER 522 INTRODUCTION TO ADAPTED PHYSICAL EDUCATION3 Credits**

An overview of adapted physical education. Introduces 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.

**Dual-listed:** HPER 422

**HPER 528 ADVANCED COACHING PHILOSOPHY3 Credits**

Course is designed to allow practicing coaches the opportunity to explore advanced coaching principles and philosophies. Special emphasis is placed on application of knowledge into current profession.

**HPER 530 SEMINAR IN HPER3 Credits**

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.

**Dual-listed:** HPER 430

**Notes:** The seminar may be repeated.

**HPER 531 ORGANIZATION AND DEVELOPMENT OF COMPREHENSIVE SCHOOL HEALTH PROGRAMS3 Credits**

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 EDUCATION3 Credits**

The history of measurements in physical education, the selection and administration of appropriate test, and the integration of their results by statistical procedures.

**Dual-listed:** HPER 432

**HPER 533 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL3 Credits**

An investigation of research and current practices in Elementary Physical Education.

**HPER 535 CURRICULUM PLANNING IN PHYSICAL EDUCATION3 Credits**

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.

**Dual-listed:** HPER 435

**HPER 536 NCAA RULES3 Credits**

A study of the National Collegiate Athletic Association (NCAA). Research and investigation into the inception, growth, and conduct of the NCAA in both a historic and current context.

**HPER 537 SPORT LAW3 Credits**

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 SPORTS2 Credits**

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.

**Prerequisites:** HPER 122, HPER 124, HPER 124L, HPER 232, and HPER 232L

**Co-requisites:** HPER 539L

**Dual-listed:** HPER 439

**HPER 539L BIOMECHANICS OF SPORTS LAB1 Credit**

Lab experience in Biomechanics of Sports.

**Prerequisites:** HPER 122, HPER 124, HPER 124L, HPER 232, and HPER 232L

**Co-requisites:** HPER 539

**Dual-listed:** HPER 439L

**HPER 590 INTERNSHIP IN HEALTH, PHYSICAL EDUCATION AND RECREATION1-12 Credits**

Provides practical experience in physical education, recreation, coaching or athletic training.

**Add Consent:** Department Consent

**Notes:** 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.

**HPER 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**HPER 626 ADVANCED MOTOR SKILL LEARNING3 Credits**

An advanced course designed for the exploration of materials, methods and mechanisms that underlie the learning and performance of motor skills.

**HPER 632 CURRENT STUDIES IN ADMINISTRATION OF PHYSICAL EDUCATION3 Credits**

Research and research techniques in the field of administration of physical education.

**HPER 634 MEASUREMENT OF HUMAN PERFORMANCE3 Credits**

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 MANAGEMENT3 Credits**

Provides students the opportunity to explore the dynamic world of sports from a management perspective. Offers a comprehensive coverage of business trends, career options, and leadership training in the world of sports.

**HPER 638 PROBLEMS IN INTERSCHOOL ATHLETICS3 Credits**

Examination and discussion of problems which are encountered and related to the administration of an interscholastic athletic program. Current problems concerning athletics on national, state and local levels will be addressed.

**HPER 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee, includes an extensive paper summarizing the project.

**Add Consent:** Instructor Consent

**Requirements:** Must complete three (3) course credits.

**HPER 660 THESIS1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. The completion of a research project of considerable scope. The report of a study conducted under the guidance of the student's advisor. Recommended for those who plan to do further advanced work in education.

**Add Consent:** Instructor Consent

**Requirements:** Must complete six (6) course credits; prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.

**HPER 690 INTERNSHIP1-6 Credits**

Provides practical experience in physical education, recreation, coaching or athletic training.

**Add Consent:** Instructor Consent

**Notes:** Interested students should contact the Career and Academic Planning Services Office to secure application materials; the amount of credit will be based on the availability of a suitable work position, the qualifications of the applicant and the work hours required; application should be made prior to the semester the internship will be started.

**Requirements:** Students must first complete a minimum of 18 credit hours in their degree program.

## History (HIST)

**HIST 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

**HIST 530 AMERICAN INDIAN HISTORY3 Credits**

History of Native American and Indian peoples from tribal origins to the present.

**HIST 532 EUROPE SINCE 19143 Credits**

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 WRITING3 Credits**

Methods of historical research, writing and criticism, with emphasis on bibliography and historical interpretation.

**HIST 536 AMERICA IN THE TWENTIETH CENTURY3 Credits**

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 541 ISSUES, TOPICS AND WORKSHOPS IN HISTORY1-3 Credits**

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.

**Notes:** May be taken more than once with different content, with the permission of the instructor and academic dean.

**HIST 544 US COLONIES TO EARLY REPUBLIC3 Credits**

Studies 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 Early Republic.

**HIST 547 NORTH AMERICAN WEST3 Credits**

Studies the American West 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 RECONSTRUCTION3 Credits**

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 553 AMERICAN ENVIRONMENTAL HISTORY3 Credits**

Examines the history of the United States through it's interactions with nature. In addition to examining the history of resource use, this course examines how the environment functions as a critical tool in defining cultural, political, and gender relationships among Americans.

**HIST 554 THE ANCIENT WEST3 Credits**

This course investigates the history of the West from the Neolithic through the Middle Ages with attention to Greco-Roman societies, Iron-Age Celtic and Germanic societies, and the European world(s) that emerged as the earlier cultures collided. In addition to historical works, the course analyzes the subject through cognate fields with special emphasis on anthropology.

**HIST 559 DIRECTED STUDY: US/EUROPE3 Credits**

A review of research methods used in a variety of disciplines wherein students can gain an advanced conceptual, philosophical and practical understanding of research traditions and designs in quantitative and qualitative methodologies.

**HIST 571 ANCIENT EAST ASIA3 Credits**

This course investigates the peoples and cultures of East Asia from the emergence of Bronze-Age kingdoms through the failure of Confucian political and social systems in the mid-nineteenth century. In addition to historical works, this course analyzes the subject area through cognate disciplines, with special emphasis on anthropology.

**HIST 572 MODERN EAST ASIA3 Credits**

This course focuses on the dynamic intellectual, political, economic, and social changes that transformed China, Japan, Vietnam, and Korea from Confucian states to modern nation states. It then traces their development into the twenty-first century.

**HIST 573 THE WORLD SINCE 19453 Credits**

This course analyzes the post-World War II international arena, the bipolarity of the Cold War and the push for modernization. The course will also study the decolonization movement, the changes taking place in international relations and the expansion of capitalism in the latter half of the twentieth century.

**HIST 579 DIRECTED STUDY: WORLD3 Credits**

A directed study of a specific aspect of world historiography, with topic selected by faculty and student.

**HIST 600 INDEPENDENT STUDY OR RESEARCH<sup>3</sup> Credits**

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.

**Requirements:** Permission of instructor and academic dean required.

**HIST 610 SEMINAR IN POWER AND INSTITUTIONS<sup>3</sup> Credits**

This course applies the theme of Power and Institutions to major areas in US, European, and World history, with the particular focus at the discretion of the instructor in conjunction with accepted common core standards. Students will analyze and engage with the subject through a minimum of three cognate social science areas, the reading of secondary literature, and an analysis of primary documents.

**HIST 620 SEMINAR IN THE GLOBAL AND IDENTITY<sup>3</sup> Credits**

This course applies the theme of the Global and Identity to major areas in US, European, and World history, with the particular focus at the discretion of the instructor in conjunction with accepted common core standards. Student will analyze and engage with the subject through a minimum of three cognate social science fields, the reading of secondary literature, and an analysis of primary documents.

**HIST 630 SEMINAR IN EXCHANGE AND ENVIRONMENT<sup>3</sup> Credits**

This course applies the theme of Environment and Exchange to major areas in US, European, and World history, with the particular focus chosen by the instructor based on common cores standards. Students will analyze and engage with the subject through a minimum of three cognate school science areas, the reading of secondary literature, and an analysis of primary documents.

**HIST 635 RESEARCH SEMINAR IN HISTORY<sup>3</sup> Credits**

Research and writing on a major topic required.

**HIST 655 SCHOLARLY PROJECT<sup>1-3</sup> Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Add Consent:** Instructor Consent

**Requirements:** Must complete three (3) credit hours.

**HIST 660 THESIS<sup>1-6</sup> Credits**

For students selecting Plan I, as listed under Program Requirements. An extensive research and writing experience which serves as the capstone course for the Master of Education degree with emphasis in History.

**Add Consent:** Instructor Consent

**Requirements:** Must complete six (6) credit hours; prior to registration, proposal must be approved by the student's committee and Dean of Graduate Studies.

## Humanities (HUM)

**HUM 500 INDEPENDENT STUDY OR RESEARCH<sup>1-3</sup> Credits**

Study or research in an area of special interest. The number of credits is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, Dean of Graduate Studies, and Academic Vice President.

**HUM 532 WORLD MYTHOLOGY<sup>3</sup> Credits**

A survey of world myth and folklore as major sources of inspiration, allusion and imagery in the expressive arts.

**Dual-listed:** HUM 432

**HUM 534 EXPLORATION IN THE HUMANITIES<sup>3</sup> Credits**

Exploration of visual, performing, or language arts. Previous experience and background are desirable but not necessary. Field trips may be required.

## In-Service (INS)

**INS 501 TOPICS<sup>1-3</sup> Credits**

## Management (MGMT)

**MGMT 560 TOPICS IN MANAGEMENT<sup>3</sup> Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in management.

**MGMT 600 INDEPENDENT STUDY OR RESEARCH<sup>1-3</sup> Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, department chair and academic dean required.

**MGMT 610 HUMAN CAPITAL MANAGEMENT<sup>3</sup> Credits**

Human Capital Management (HCM) will cover the principles and techniques of human capital management from both micro and macro perspectives, including, legislation affecting employers today, and practical applications of various people related functions. State-of-the-art insight will be offered into the human resource functions of recruiting, development, compensation, integration, and separation. Emphasis will be given to the transfer of theory to support the application of HCM techniques that may be used by business/organizational leadership to strategically develop and tactically deploy human capital to produce results in the real-world enterprise.

**MGMT 620 HIGH PERFORMANCE LEADERSHIP<sup>3</sup> Credits**

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.

**MGMT 625 BUSINESS ANALYTICS FOR MANAGERS<sup>3</sup> Credits**

Business analytics concepts, methods, and models to support business decision making. Analyzing data to systematically find trends, patterns, and associations using statistics, optimization, simulation, modeling, and visualization to transform data into actionable information.

**MGMT 630 ORGANIZATIONAL BEHAVIOR<sup>3</sup> Credits**

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.

**MGMT 634 BUSINESS STRATEGY<sup>3</sup> Credits**

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.

**Requirements:** Must complete a minimum of 12 credits of required courses prior to enrollment in the capstone-type course.

**MGMT 639 LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS3 Credits**

Examines the legal and social environments as they developed, up to present situations, emphasizing current trends.

**MGMT 640 US HEALTHCARE SYSTEM3 Credits**

This course provides an overview of the United States Healthcare System. Continuing Impact of the Affordable Care Act is studied. An introduction to the definitions, concepts and trends in healthcare delivery are examined. Topic areas also include: the impact of employer-based health insurance, role of various government programs, history, operational characteristics, funding mechanisms, changing roles of physicians and other providers.

**MGMT 641 HEALTH LAW AND ETHICS3 Credits**

This course explores legal obligations and ethics in healthcare administration. Governmental policy reforms, antitrust and informed consent is studied. Regulation of healthcare false claims, fraud and abuse is examined. Also covered is the legal basis for hospital governance and healthcare malpractice insurance.

**MGMT 642 HEALTHCARE MANAGEMENT3 Credits**

In this course, students examine concepts and tools that can increase the quality and efficiency healthcare. The course will explore questions of capacity planning, scheduling and process design in healthcare.

## Marketing/Entrepreneurship (MKTG)

**MKTG 560 TOPICS IN MARKETING/ENTREPRENEURSHIP1-3 Credits**

Topics or seminars will be selected as needed to keep students abreast of contemporary issues in marketing/entrepreneurship.

**MKTG 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor, department chair and academic dean required.

**MKTG 625 DIGITAL MEDIA ANALYTICS3 Credits**

This class will provide students with the theoretical understanding of the digital marketplace necessary to analyze digital trends, while also equipping students with the skills needed to perform digital marketing analysis as a digital data translator.

**MKTG 630 MARKETING MANAGEMENT3 Credits**

Management of the marketing process to include planning, pricing, promotion, and distribution of ideas, products, and services to give the organization a competitive edge.

**MKTG 634 MOBILE MEDIA MARKETING3 Credits**

This class will provide students with an understanding of how mobile marketing is defining business today, including strategy, tracking ROI, advertising, applications and mobile websites. Text messaging, QR codes, consumer interactions with mobile devices, and the laws and ethics of mobile marketing are examined.

**MKTG 643 SOCIAL MEDIA STRATEGY3 Credits**

This course will help students obtain a clear perspective on social media marketing, and its true value to consumers, managers, other stakeholders. Students will learn relevant knowledge, perspectives, and practical skills required to develop marketing strategies that leverage the opportunities inherent in social media and consumer-to-consumer social interactions for achieving business and marketing goals.

**MKTG 652 DIGITAL MEDIA MARKETING CAPSTONE3 Credits**

This class will provide students with the theoretical understanding of the Internet marketplace necessary to adapt to its many changes, while also equipping students with the skills needed to perform vital daily functions as a digital marketing professional.

## Mathematics (MATH)

**MATH 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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, department chair and academic dean required.

**Add Consent:** Instructor Consent

**MATH 526 OPERATIONS RESEARCH3 Credits**

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 MATH 151 and MATH 232 or MATH 331

**Dual-listed:** MATH 426

**MATH 527 NUMBER THEORY3 Credits**

Introduction to the Ring of integers, Euclidean Rings, Chinese Remainder Theorem, divisibility, primes, primitive roots, indices, congruencies, Diophantine equations, quadratic reciprocity, number-theoretic functions, and cryptography, with an emphasis on applications.

**Prerequisites:** MATH 237 or permission of the instructor

**Dual-listed:** MATH 427

**MATH 530 TOPICS IN MATHEMATICS1-3 Credits**

Topics to meet the needs of students who have completed the regular course of study.

**Add Consent:** Instructor Consent

**Notes:** Can be repeated with different emphasis for a maximum of six (6) credit hours.

**MATH 533 STATISTICAL METHODS AND DATA ANALYSIS3 Credits**

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.

**Prerequisites:** MATH 232 or MATH 331

**Dual-listed:** MATH 433

**MATH 534 INTRODUCTORY ANALYSIS3 Credits**

Structure and topology 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

**Dual-listed:** MATH 434

**MATH 535 SAMPLING TECHNIQUES3 Credits**

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.

**Prerequisites:** MATH 232 or MATH 331

**Dual-listed:** MATH 435

**MATH 537 MODERN ALGEBRA3 Credits**

Axiomatic approach to rings, integral domains, polynomials, fields, ideals and factor rings, selected topics in abstract algebra, and an introduction to vector spaces and algebraic coding theory.

**Prerequisites:** MATH 429

**Dual-listed:** MATH 437

**MATH 538 NUMERICAL ANALYSIS3 Credits**

Numerical modeling of phenomena using interpolation and approximation, systems of linear equations, integration, and numerical solutions of differential equations.

**Prerequisites:** MATH 252 and MATH 330

**Dual-listed:** MATH 438

**MATH 539 THEORY OF STATISTICS3 Credits**

Joint distribution concepts, conditional expectations, method of distribution functions, transformation, method of moment-generating functions, order statistics, sampling distributions, central limit theorem, continuous and discrete random variables.

**Prerequisites:** MATH 151 and MATH 232 or MATH 331

**Dual-listed:** MATH 439

**MATH 540 MATHEMATICS EDUCATION STANDARDS3 Credits**

An integrated content/pedagogy course on mathematics teaching, assessment, and curriculum standards, based on major content areas of the K-12 curriculum.

**Dual-listed:** MATH 440

**Requirements:** Fifty percent of endorsement completed.

**MATH 541 COMBINATORICS3 Credits**

Basic Counting Rules, Graph Theory, Generating Functions, Recurrence Relations, Inclusion and Exclusion with prime numbers, Polya's Theory of Counting, the Pigeonhole Principle and Latin Squares

**Prerequisites:** MATH 151 or MATH 138

**Dual-listed:** MATH 441

**MATH 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

**MATH 630 MATHEMATICS TOPICS FOR TEACHERS1-3 Credits**

Mathematics topics of interest to classroom teachers at all grade levels. Credit variable with topic.

**Notes:** Can be repeated with different emphasis for a maximum of six (6) credit hours.

**MATH 631 MATHEMATICS FOR MANAGEMENT3 Credits**

Quantitative methods for managerial, educational administration and public policy applications. Topics from discrete math, data analysis and operations research areas.

**MATH 634 MATHEMATICS CURRICULUM3 Credits**

Mathematics curriculum in elementary and secondary schools, with emphasis on current trends and issues in mathematics education.

**Add Consent:** Instructor Consent

**MATH 655 SCHOLARLY PROJECT3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Add Consent:** Instructor Consent

**Notes:** Must complete three (3) credit hours.

**MATH 660 THESIS RESEARCH1-6 Credits**

For students selecting Plan I, as listed under Program Requirements. Original investigations in mathematics leading to the master's thesis.

**Add Consent:** Instructor Consent

**Requirements:** Must complete six (6) credit hours; prior to registration, the proposal must be approved by the student's committee and Dean of Graduate Studies.

# Music (MUS)

**MUS 513 PERFORMANCE ENSEMBLE1 Credit**

Offers graduate credit to participation in music ensembles.

**MUS 515 PRIVATE GUITAR1 Credit**

Individual instruction in piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515E PRIVATE CLARINET1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515J PRIVATE PERCUSSION1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515K PRIVATE KEYBOARD1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515P PRIVATE TUBA1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515S PRIVATE VOICE1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515U PRIVATE KEYBOARD1 Credit**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515V PRIVATE BRASS1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515W PRIVATE WOODWIND1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 515X PRIVATE GUITAR1-2 Credits**

Individual instruction in conducting, composition, piano, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**MUS 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Individual study in a selected area of music. The number of credit hours is determined by the topic and the amount of work required.

**Add Consent:** Instructor Consent

**Requirements:** Six (6) credit hours of graduate study in music required; approval of the student's written proposal (including a bibliography) for study.

**MUS 615 PRIVATE GUITAR1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

**MUS 615J PRIVATE PERCUSSION1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

**MUS 615K PRIVATE KEYBOARD1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

**MUS 615P PRIVATE TUBA1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

**MUS 615S PRIVATE VOICE1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

**MUS 615U PRIVATE KEYBOARD1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

**MUS 615V PRIVATE BRASS1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

**MUS 615W PRIVATE WOODWIND1-3 Credits**

Individual instruction in conducting, composition, piano, organ, voice, percussion, brass instruments, woodwind instruments and stringed instruments.

**Prerequisites:** 2 hours of MUS 515

## Political Science (PS)

**PS 520 AMERICAN POLITICAL THOUGHT3 Credits**

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.

**Dual-listed:** PS 420

**PS 529 ISLAM AND POLITICS3 Credits**

The relationship between the religion of Islam and contemporary politics will be analyzed. This relationship will be considered in the context of democratic politics, forms of authoritarian governance, and contentious politics in the Muslim-majority world as well as minority politics in the United States and Western Europe.

**Dual-listed:** PS 429

**PS 530 TOPICS IN POLITICAL SCIENCE1-3 Credits**

Special topics in Political Science. May be repeated with a change of emphasis.

**PS 531 HISTORY OF POLITICAL THOUGHT3 Credits**

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.

**Dual-listed:** PS 431

**PS 532 THE LEGISLATIVE PROCESS3 Credits**

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.

**PS 534 CONGRESS AND THE PRESIDENCY3 Credits**

Examines the structures and processes of Congress and the Presidency, and how the two institutions interact with one another. Topics will include constituency and partisan influences, organizational structures, and decision-making processes in both branches of government. The course will highlight the interdependent and dynamic nature of inter-branch relations, with an emphasis on the evolving constitutional system of the United States.

**Dual-listed:** PS 434

**PS 535 THE PRESIDENCY3 Credits**

Examines the institutional development of the presidency. Emphasis is placed on presidential decision making, presidential leadership and the growth of executive power.

**PS 539 DEMOCRACY: U.S. AND THE WORLD3 Credits**

The concept of political democracy will be critically analyzed in both historical and contemporary discourses. The emergence and evolution of political will be covered with an emphasis on American political culture and institutions and frequent comparisons to other advanced democracies and developing democracies around the world.

**Dual-listed:** PS 439

**PS 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Project pertaining to a field of specialization. Designed in consultation with the student's graduate committee. Includes paper summarizing the project.

**Requirements:** Must complete three (3) credit hours.

## Psychological Sciences (PSYC)

**PSYC 538 BEHAVIORAL STATISTICS3 Credits**

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. Also includes an introduction to statistical software and multivariate methods.

**PSYC 541 ADVANCED ORGANIZATIONAL PSYCHOLOGY3 Credits**

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.

## Reading (READ)

**READ 500 SPECIAL TOPICS IN READING1-3 Credits**

Recent trends and issues in the field of reading.

**READ 530 READING AND WRITING IN THE MIDDLE/SECONDARY SCHOOLS3 Credits**

The nature of reading and writing, the 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

**Dual-listed:** READ 430

**READ 531 IMPROVEMENT OF INSTRUCTION IN READING3 Credits**

The nature of reading, pertinent research in the field, curriculum in reading from the preparatory period through the intermediate grades and the management of the reading program. Emphasis on specific reading skills taught in the elementary grades, selecting effective materials, teaching methods and techniques, and the use of various types of tests.

**Dual-listed:** READ 431

**READ 532 READING IN THE CONTENT FIELDS3 Credits**

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 PHILOSOPHIES, APPROACHES, AND TECHNIQUES FOR TEACHING READING3 Credits**

Philosophical beliefs underlying the democratic school system, objectives, and the means of obtaining them are reviewed as they relate to schools and reading. The history of education programs that have impacted the development, delivery, and evaluation of reading programs is examined and applied to determine program effectiveness and suitability for meeting the needs of those requiring instruction in reading.

**READ 535 READING AND THE AT-RISK STUDENT3 Credits**

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 STUDY1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

**READ 634 LINGUISTIC FOUNDATIONS OF READING INSTRUCTION3 Credits**

History of language, phonetic structure of the English language, vocabulary development, syntax, basic speech production, and intonation patterns. Emphasis is placed on developing teacher competence in understanding linguistic foundations of reading instruction.

**READ 635 DIAGNOSIS AND CORRECTION3 Credits**

Causes of reading disabilities, and the use of interview procedures and methods, diagnostic instruments and materials of remediation.

**READ 636 PRACTICUM IN READING3 Credits**

Supervised practicum with children and youth in developmental and remedial reading instruction. Includes the diagnosing and treatment of reading disabilities under supervision.

**Prerequisites:** READ 635

**READ 638 SEMINAR IN READING: ISSUES, TRENDS AND PROGRAMS3 Credits**

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 Science (SS)

**SS 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

**SS 530 TOPICS IN SOCIAL SCIENCES1-3 Credits**

Special topics in Social Science.

**Dual-listed:** SS 430

**Notes:** May be repeated with a change in emphasis.

**SS 536 SEMINAR IN SOCIAL SCIENCES1-6 Credits**

Offered in any of the Social Sciences 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.

**Add Consent:** Instructor Consent

**SS 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

Advanced directed readings in selected problems to meet the special needs of the graduate student.

**SS 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Requirements:** Must complete three (3) credit hours.

## Social Work (SW)

**SW 530 TOPICS IN SOCIAL WORK1-3 Credits**

Examines advanced topics (knowledge and skills) in professional social work practice.

**Dual-listed:** SW 430

**Add Consent:** Instructor Consent

**Notes:** May be repeated with a change in emphasis.

## Sociology (SOC)

**SOC 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

**SOC 530 TOPICS IN SOCIOLOGY3 Credits**

Special topics in Sociology.

**Notes:** May be repeated with a change of emphasis.

**SOC 535 ADVANCED SOCIAL PSYCHOLOGY3 Credits**

A study of four perspectives in Social Psychology. Two primarily psychological; Gestalt and Freudian. Two primarily sociological; Exchange and Symbolic Interaction. Includes student reading and interpretation of primary and secondary sources in these four areas.



**SOC 655 SCHOLARLY PROJECT1-3 Credits**

For students selecting Plan II, as listed under Program Requirements. Scholarly project pertaining to a field of specialization. Designed in consultation with the student's graduate committee and includes an extensive paper summarizing the project.

**Requirements:** Must complete three (3) credit hours.

## Special Education (SPED)

**SPED 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

**SPED 516 CLINICAL EXPERIENCE IN APPRAISAL OF EXCEPTIONAL CHILDREN3 Credits**

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.

**SPED 531 PROGRAM DEVELOPMENT, IMPLEMENTATION, AND MANAGEMENT3 Credits**

Development, implementation, and management of special education programs, which include individual education plans (IEP), individual family service (IFSP), and transition plans. This course will include (a) a background of laws leading up to IDEA, (b) 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.

**Dual-listed:** SPED 433

**SPED 532 SURVEY OF SPECIAL EDUCATION3 Credits**

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.

**Dual-listed:** SPED 230

**SPED 535 ASSESSING INDIVIDUALS WITH MILD/MODERATE DISABILITIES3 Credits**

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.

**Dual-listed:** SPED 435

**SPED 536 ELEMENTARY/MIDDLE SCHOOL/SECONDARY METHODS AND MATERIALS FOR MILD/MODERATE DISABILITIES3 Credits**

Instructional, curricular, and adaptive or assistive technological approaches to accommodate the academic, social, emotional, cognitive, linguistic, and physical needs of learners with mild/moderate disabilities are reviewed. Based on learning theories, information obtained from this course will center on the use of methods and materials to facilitate learning of elementary/middle grades/secondary students with mild/moderate disabilities.

**Dual-listed:** SPED 432

**SPED 537 SPECIAL TOPICS IN SPECIAL EDUCATION1-3 Credits**

Development, implementation and management of Inclusive Classrooms in the K-12 school environment. Will include discussion and reflection on the following topics pertaining to Special Education: response to intervention (RTI), inclusive classrooms, federal laws including Individuals with Disabilities Education Act (IDEA), classroom management and inclusive classroom behavior interventions, curriculum adaptation, and providing support services for all children including those at-risk.

**Dual-listed:** SPED 437

**SPED 538 CONSULTATION/COLLABORATION3 Credits**

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 para-educators.

**Dual-listed:** SPED 438

**SPED 539 LANGUAGE AND LEARNING DISORDERS3 Credits**

Introductory course for graduate 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.

**Dual-listed:** SPED 439

**SPED 555 CHARACTERISTICS OF LEARNING DISABILITIES3 Credits**

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 600 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

**SPED 630 CHARACTERISTICS OF BEHAVIORAL AND EMOTIONAL DISABILITIES3 Credits**

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.

**Notes:** This course was offered as SPED 530 prior to Fall 2012.

**SPED 640 ASSESSMENT AND DIAGNOSIS OF YOUNG CHILDREN3 Credits**

A clinical experience of 50 clock hours where the candidate analyzes assessment procedures and diagnostic practices used to obtain information about the learning, and development of children, birth through kindergarten, with developmental and/or learning needs. Includes administering, interpreting and reporting test results, and formulating instructional objectives and subsequent learning programs. Develops an understanding of how information is obtained from quantitative/qualitative measures, and how teachers' experiences influence their abilities to interpret strengths and needs, derive instructional objectives, develop curriculum, and select appropriate teaching strategies. Fifty (50) clock hours of clinical experience is required.

## Theatre (TH)

### **TH 500 INDEPENDENT STUDY OR RESEARCH1-3 Credits**

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.

**Add Consent:** Instructor Consent

**Requirements:** Permission of instructor and academic dean required.

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